

**ACADEMIC YEAR**

**2017-2018**



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**  
Approved by AICTE, Affiliated to Anna University, Chennai.

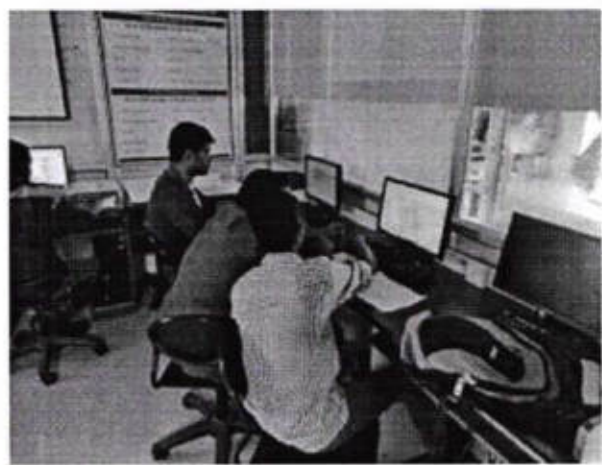
*Beyond Knowledge*

**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-2) using CATIA & NXCAD software		
Resource Person details	Mr..S.NAVEENKUMAR & Mr.KV.RANGASAMY Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 180
Date, Time and Venue	17.07.2017-29.07.2017 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 3 features of CATIA & NXCAD software. It contains CATIA & NXCAD Advanced level.
2. He explained about drafting and detailing, generative sheet metal design and generative shape design.
3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).
4. He shared his personal experiences and difficulties he faced in his Industrial Career.



Principal,  
Knowledge Institute of Technology,  
Chakrapalayam (Po), Salem-637 504



From

J.Prakash,  
Assistant Professor  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

Composite research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) and Designers club is jointly organizing Solid Modeling (Level-2) using CATIA software. In this regard, I request your permission to execute the Certificate course for Mechanical Engineering students.

Thanking You

Salem

05.07.2017

Forwarded to the Principal

*(Handwritten signature)*

Yours Faithfully

*(Handwritten signature)*  
J.Prakash

*(Handwritten signature)*  
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Knowledge Institute of Technology  
Akopalayam (PO) Salem - 837 504

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CIRCULAR

Circular No.

Date

05.07.2017

To

IV & III-Year students

Subject

Solid Modeling (Level-2) using CATIA & NXCAD software

This is to inform you that Center of Excellence – Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) & Designers Club has planned to conduct CATIA course for IV & III year students. Interested candidates are requested to register their names to COE Incharge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Solid Modeling (Level-2) using CATIA & NXCAD software	COE – CRCPDT, A-Block, KIOT. 17.07.2017 – 29.07.2017	Mr.S.Naveenkumar Mr.K.V.Rangasamy AP Mechanical Engg. KIOT

For Further Details Kindly Contact: Mr.J. Prakash, AP/Mech, Faculty Incharge,  
COE-CRCPDT. M:+91 9789565007

J. Prakash  
Faculty Incharge

  
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# Certificate Course on Solid Modeling (Level-2) using NXCAD software

17.07.2017 to 29.07.2017



*Pursuing Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.  
www.kiot.ac.in

in association with



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### About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC. In the single window counselling (TNEA 2017) seats of KIOT were filled in 82<sup>nd</sup> position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs. KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

### About the Department

**Vision:** To create competent and industry relevant Mechanical Engineers with professional and social values to meet global challenges.

### Mission:

- Enabling environment for effective teaching - learning and research to meet global challenges.

- Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.
- Establish a continuous Industry Institute Interaction to make the students employable.
- Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E Industrial Safety Engineering & Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techserv Pvt. Ltd. and IAPMO (International Association of Plumbing and Mechanical Officials).

## SYLLABUS

### 1.Introduction to NXCAD

Introduction About NXCAD, History of NXCAD, NXCAD modeling process, Parametric design concept, feature based design. About PLM, NXCAD Features, SKETCHER, Creating the new part.

### 2.SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points,



Operations, Corner, Chamfer, Projections, Transformations.

Constrains. Constrain dialogue box. Constrains. Fix together. Animate constrain. Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.

### 3. PART MODELING

Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffner.

Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.

Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face, Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror. Pattern-Rectangular.

Circular, User defined Design table, Power copy, Functions and relations, Catalog Scaling-Scale. Affinity Reference elements- Point, Axis, Planes, Boolean operations- Assemble,

Add, Remove, Intersect, Union trim.

### 4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component,

Product, Part Existing component, Existing component with positioning Replace component.

Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap, Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset.

Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain, Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.

### 5. DRAFTING AND DETAILING

Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view, Advanced front view Sections Detail view, Clipping view, Broken view. View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions

Stacked dimensions. Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions. Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature, Geometric tolerance Annotations Text, Text with leader, Balloon, Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.

### 6. GENERATIVE SHEET METAL DESIGN

Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge, Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper.

Free form surface, Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point or curve mapping Cutting and stamping Pocket.

Hole, Circular cutout, corner relief, Fillet, Chamfer.

### 7. GENERATIVE SHAPE DESIGN

Wireframe Points, Points and plane repetition, Extremum and Extremum polar Line, Axis, Polyline Planes Projection.

Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder

Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface. Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.

**For Registration Kindly Contact:**

**Mr.J.Prakash, AP/Mech,**

**Faculty Incharge,COE-CRCPDT.**

**M:+91 9789565007, Mail:jpmech@kiot.ac.in**

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**

**Department of Mechanical Engineering**

**Course Plan**

Name of the COE	Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT)		
Name of the Course	NX CAD		
Solid Modeling (Level-1) using NXCAD software	04	Total number of Hours	32 hours
Solid Modeling (Level-2) using NXCAD software	03	Total number of Hours	32 hours
<b>EXECUTION SCHEDULE</b>			
Module No.	Name of the Module	No. of Hours	
1	Introduction to NX CAD	02	
2	Sketcher	06	
3	Part Modeling	12	
4	Assembly Design	12	
5	Drafting and Detailing	08	
6	Generative Sheet metal Design	12	
7	Surface Modeling	12	

**Detailed Execution Plan**

Name of the Course Module: 1. Introduction to NX CAD

Duration: 02 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
1.1	Introduction to Unigraphics NX, About NX Gateway, Getting Started, NX Graphical User Interface - Title bar, Menu bar, Toolbar, Radial toolbar, Selection bar, Cue and status line, Dialog rail, Resource bar, Navigators, HD3D tools,	1	1	-	Day1

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	Integrated browser, Palettes, Roles, Full screen, View orientation- trimetric, isometric, View commands, Rotate ,Pan, Zoom in/out, Quick pick, Quick pick, categories, Coordinate system- absolute coordinate system, WCS, Absolute coordinate, Work coordinate system. View triad, Multiple graphics window, Information window, Keyboard accelerators, Dialog box File management - Creating new files , Opening files and Saving files				
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**Detailed Execution Plan**

Name of the Course Module: 2.SKETCHER

Duration: 06 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
2.1	Creating Sketches - Profile, Line, Arc, Circle, Fillet, Chamfer, Rectangle, Polygon, Studio Spline, Fit spline, Ellipse, Conic Editing sketches - Quick trim, Quick extend, Make corner, Offset curve, Pattern curve, Mirror curve, Intersection point,	1	2	-	Day 2
2.2	Derived lines Constraints - Geometric constraints, Auto constraint, Inferred constraint, Dimensional constraints, Auto dimension, Animate dimension, Continuous auto dimension	1	2	-	Day 3



Detailed Execution Plan

Name of the Course Module: 3.PART MODELING

Duration: 12 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
3.1	Basic terminologies - Feature, Body, Solid body, Sheet, Face, Section curves, Guide curves. Creating Primitives - Block, Cylinder, Cone, Sphere, Boss, Pocket, Emboss, Slot, Groove.	1	2	-	Day 4
3.2	Feature modeling commands-Creating Extrude features, Creating Revolve features. Datums-Creating Datum planes, Axis, Point.	1	2	-	Day 5
3.3	Creating Sweep Features-Swept, Sweep along guide, variable sweep, Creating Tube feature General hole, Drill size holes, Screw clearance holes, Threaded holes, Dart, Thread, Shell, Draft, Draft body, Scale Creating Blend and Chamfer. Instance feature	1	2	-	Day 6
3.4	Rectangular array, Circular array, Pattern face, Mirror feature, Mirror body Feature Operations -To Divide face, Trim body, Split body, Boolean commands, User defined feature, Creating Feature group, Layer settings, To measure distance between geometries, To measure	1	2	-	Day 7

angle between geometries, To measure bodies and face geometries, To find geometric properties. Synchronous Modeling				
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Detailed Execution Plan					
Name of the Course Module: 4. Assembly Design					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
4.1	Introduction to Assembly modeling Assembly approaches. Assembly constrains - Angle, Bond, Centre	1	2	-	Day 8
4.2	Concentric, Distance, Fit, Parallel, Perpendicular, Touch align Component array - Linear array, Circular array, Feature instance array. Moving a component	1	2	-	Day 9
4.3	Replacing component, Repositioning component, Mirroring assembly. Creating a New Component, Creating new parent, Assembly clearance, Creating	1	2	-	Day 10
4.4	Exploded views, Assembly sequencing with motion. Creating deformable parts, Finding degrees of freedom. Assembly envelopes	1	2	-	Day 11

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Detailed Execution Plan

Name of the Course Module: 5. Drafting and Detailing

Duration: 08 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
5.1	Craeting Sheets, Editing the Sheet, Stadard settings. Creating drawing views- Base view, Drawing view, projected view. Section view- Simple section, Stepped section , Half section, Revolved section, Folded section, Unfolded section, Pictorial section, Half pictorial section, Break out section Detail view Creating Broken view.	1	1	-	Day 1
5.2	Applying dimensions- Inferred Dimension, Horizontal Dimension, Vertical Dimension, Parallel Dimension, Perpendicular dimension, Angular dimension, Cylindrical Dimension, Hole dimension, Diameter Dimension, Chamfer Dimension, Radius or Radius of Curvature Dimension, Radius to Centre, Folded Radius, Thickness Dimension, Arc Length, Horizontal Chain Dimension, Vertical Chain Dimension, Horizontal Baseline Dimension, Vertical Baseline Dimension, Ordinate Dimension.	1	2	-	Day 2




5.3	Creating Annotations, Datum feature, symbols, feature control frame, placing datum target symbol. Creating Ceterline, Axis, Hatch and Fill options Creating Table and Partlist.	1	2	-	Day 3
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Detailed Execution Plan					
Name of the Course Module: 6. Generative Sheet metal Design					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
6.1	NX Sheet Metal Preferences Creating base feature -Tab. Creating bend- Attaching flange, Attaching Contour flange.	2	4	-	Day 4 & 5
6.2	Creating Lofted flange, Inserting Hem flange, Apply Bend, unbend, rebend, Apply Jog. Creating Sheet metal from solid Applying Closed corner, Break corner, Applying chamfer	2	4	-	Day 6 & 7

Detailed Execution Plan					
Name of the Course Module: 7. Surface Modeling					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
7.1	Creating curves from curves Creating curve from bodies Extract body,	2	4	-	Day 8 & 9



	Composite curve Surface Modeling commands - Extrude, Revolve, Sweep, Swept.				
7.2	Surface using curves - Surface by Through curves, Surface by Through curve mesh, Creating Studio surface, Surface from Section Surface, Surface creation by N-Sided surface.	2	4	-	Day 10 & 11

  
Faculty I/C

  
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**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-2) USING NXCAD SOFTWARE**  
**NAME LIST**

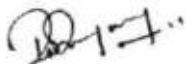
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1	C	611214114003	AKSHAY.V	IV/VII	
2	A	611214114004	ABISHEK A G	IV/VII	
3	B	611214114006	ANWARBASHA. N	IV/VII	
4	A	611214114011	ARUN.V	IV/VII	
5	D	611214114019	BALAJI M	IV/VII	
6	D	611214114021	BALAMURALI KRISHNAN V	IV/VII	
7	D	611214114022	BALUMAHENDRAN B	IV/VII	
8	B	611214114024	DEENADAYALAN.H	IV/VII	
9	A	611214114027	DHARMAPRAKASH.M	IV/VII	
10	A	611214114028	DHATCHINAMOORTHY S	IV/VII	
11	D	611214114031	DINESH G	IV/VII	
12	D	611214114033	DINESH KUMAR P	IV/VII	
13	D	611214114034	DINESH KUMAR S	IV/VII	
14	A	611214114035	EZHILARASAN.A	IV/VII	
15	A	611214114036	GANESHANAND T M	IV/VII	
16	D	611214114037	GANESHKUMAR S	IV/VII	
17	D	611214114038	GIRIDHARAN M	IV/VII	
18	B	611214114039	GOKULA KRISHNAN.S	IV/VII	
19	D	611214114040	GOKULMUTHU M	IV/VII	
20	D	611214114041	GOKULNATH J	IV/VII	
21	D	611214114042	GOKUL RAJ B	IV/VII	
22	B	611214114044	GOKULRAJ J	IV/VII	
23	A	611214114045	GOKULRAJ K	IV/VII	
24	D	611214114046	GOKULRAJ P	IV/VII	
25	A	611214114047	GOKULRAJ R	IV/VII	
26	D	611214114048	GOKUL RAJ S	IV/VII	
27	B	611214114049	GOKULRAJ.V	IV/VII	
28	A	611214114051	GOPINATH.A	IV/VII	
29	B	611214114052	GOPINATH C M	IV/VII	
30	D	611214114053	GOWDAMAN S	IV/VII	





31	A	611214114054	GOWTHAM.C	IV/VII	
32	B	611214114055	GOWTHAM T	IV/VII	
33	D	611214114056	GOWTHAMAN S	IV/VII	
34	A	611214114057	GUNASEKARAN N	IV/VII	
35	D	611214114058	GURUNATHAN P	IV/VII	
36	B	611214114059	HARI.G	IV/VII	
37	D	611214114060	HARIHARAN K B	IV/VII	
38	A	611214114061	HARIHARAN M	IV/VII	
39	B	611214114064	JAGATHISH.S	IV/VII	
40	A	611214114067	JEEVA HARIHARAN P.V	IV/VII	
41	B	611214114070	KARTHICK D	IV/VII	
42	C	611214114071	KARTHICK.M	IV/VII	
43	A	611214114072	KARTHIK G	IV/VII	
44	A	611214114073	KARTHIK.T	IV/VII	
45	B	611214114076	KARTHKKRAJA.J.K	IV/VII	
46	B	611214114077	KARTHIKRAJ R	IV/VII	
47	B	611214114078	KARUNAKARAN.V	IV/VII	
48	D	611214114081	KAVIBARATHI V	IV/VII	
49	A	611214114082	KAVIN KUMAR VADIVEL.V	IV/VII	
50	C	611214114083	KIRUBAKARAN.S	IV/VII	
51	C	611214114087	KUMAR.M	IV/VII	
52	C	611214114088	KUPPURAJS	IV/VII	
53	B	611214114089	LAVANYA L	IV/VII	
54	A	611214114093	MALLIGARAJ V	IV/VII	
55	A	611214114095	MANIKANDAN.G	IV/VII	
56	C	611214114096	MANIKANDAN.K	IV/VII	
57	B	611214114097	MANIKANDAN.L	IV/VII	
58	B	611214114101	MANI VASAGAM.J	IV/VII	
59	D	611214114102	MANIVELRAJA R	IV/VII	
60	C	611214114103	MANOJA	IV/VII	
61	C	611214114106	MATHU PRASATH.R	IV/VII	
62	C	611214114110	MOHAMMED JAVITH.Y	IV/VII	
63	C	611214114111	MOHAN PRASATH. K.C	IV/VII	
64	C	611214114117	MUTHUKUMARAN.M	IV/VII	
65	C	611214114119	MUTHUVEL.S	IV/VII	
66	D	611214114120	NAGARAJAN N	IV/VII	
67	B	611214114123	NAVEEN.V	IV/VII	
68	C	611214114124	NAVEEN KUMAR.A	IV/VII	
69	C	611214114136	PRAGATHI.B	IV/VII	

70	B	611214114153	RESHMA S	IV/VII
71	D	611214114173	SIBICHANDAN S S	IV/VII
72	C	611214114196	VENGATA SUDARSHAN.R.R	IV/VII
73	D	611214114199	VENKATESH R	IV/VII
74	C	611214114205	VIJAY.A.K.V	IV/VII
75	D	611214114215	YOGESHWAR P	IV/VII
76	A	611214114302	AJEETH KUMAR M	IV/VII
77	B	611214114303	ANGURAJ T	IV/VII
78	B	611214114307	BALAN S	IV/VII
79	B	611214114309	DHAMOTHARAN A	IV/VII
80	B	611214114310	DINESHKUMAR R	IV/VII
81	D	611214114311	ELANGO BHARATHI N	IV/VII
82	B	611214114314	IDUMBAN R	IV/VII
83	C	611214114315	JAYAPRAKASH. B	IV/VII
84	A	611214114318	KARTHIC.M	IV/VII
85	C	611214114321	MADHESHWARAN.S	IV/VII
86	C	611214114326	MOHAN RAJ.G	IV/VII
87	C	611214114327	MUTHUKUMAR.G	IV/VII
88	B	611214114334	PRAKASHRAJ P	IV/VII
89	B	611214114341	SATHYAN A	IV/VII
90	C	611214114350	VIGNESH.N	IV/VII



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
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**SOLID MODELING (LEVEL-2) USING NXCAD SOFTWARE**  
**TRAINING ATTENDANCE SHEET (17.07.2017 to 29.07.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	17.07.2017	18.07.2017	19.07.2017	20.07.2017	21.07.2017	24.07.2017
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4	A	611214114011	ARUN.V	IV/VII	/	/	/	/	/	/
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6	D	611214114021	BALAMURALI KRISHNAN V	IV/VII	/	/	/	/	/	/
7	D	611214114022	BALUMAHENDRAN B	IV/VII	/	/	/	/	/	/
8	B	611214114024	DEENADAYALAN.H	IV/VII	/	/	/	/	/	/
9	A	611214114027	DHARMAPRAKASH.M	IV/VII	/	/	/	/	/	/
10	A	611214114028	DHATCHINAMOORTHY S	IV/VII	/	/	a	a	/	/
11	D	611214114031	DINESH G	IV/VII	/	/	/	/	/	/
12	D	611214114033	DINESH KUMAR P	IV/VII	/	/	/	/	/	/
13	D	611214114034	DINESH KUMAR S	IV/VII	/	/	/	/	/	/
14	A	611214114035	EZHILARASANA.A	IV/VII	/	/	/	/	/	/
15	A	611214114036	GANESHANAND T M	IV/VII	/	/	/	/	/	/
16	D	611214114037	GANESHKUMAR S	IV/VII	/	/	/	/	/	/
17	D	611214114038	GIRIDHARAN M	IV/VII	/	/	/	/	/	/
18	B	611214114039	GOKULA KRISHNAN.S	IV/VII	/	/	/	/	/	/
19	D	611214114040	GOKULMUTHU M	IV/VII	/	/	/	/	/	/
20	D	611214114041	GOKULNATH J	IV/VII	/	/	/	/	/	/
21	D	611214114042	GOKUL RAJ B	IV/VII	/	/	/	/	/	a
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24	D	611214114046	GOKULRAJ P	IV/VII	/	/	/	/	/	/
25	A	611214114047	GOKULRAJ R	IV/VII	/	/	/	/	/	/
26	D	611214114048	GOKUL RAJ S	IV/VII	/	/	/	/	/	/
27	B	611214114049	GOKULRAJ.V	IV/VII	/	/	/	/	/	/
28	A	611214114051	GOPINATH.A	IV/VII	/	/	/	/	/	/
29	B	611214114052	GOPINATH C M	IV/VII	/	/	/	/	/	/
30	D	611214114053	GOWDAMAN S	IV/VII	/	/	/	/	/	/
31	A	611214114054	GOWTHAM.C	IV/VII	a	/	/	/	/	/
32	B	611214114055	GOWTHAM T	IV/VII	/	/	/	/	/	/
33	D	611214114056	GOWTHAMAN S	IV/VII	/	/	/	/	/	/
34	A	611214114057	GUNASEKARAN N	IV/VII	/	/	/	/	/	/
35	D	611214114058	GURUNATHAN P	IV/VII	/	/	/	/	/	/
36	B	611214114059	HARI.G	IV/VII	/	/	/	/	/	/
37	D	611214114060	HARIHARAN K B	IV/VII	/	/	/	/	/	/
38	A	611214114061	HARIHARAN M	IV/VII	/	/	a	a	/	/
39	B	611214114064	JAGATHISH.S	IV/VII	/	/	/	/	/	/
40	A	611214114067	JEEVA HARIHARAN P.V	IV/VII	/	/	/	/	/	/
41	B	611214114070	KARTHICK D	IV/VII	/	/	/	/	/	/
42	C	611214114071	KARTHICK.M	IV/VII	/	/	/	/	/	/
43	A	611214114072	KARTHIK G	IV/VII	/	/	/	/	/	/
44	A	611214114073	KARTHIK.T	IV/VII	/	/	/	/	/	/
45	B	611214114076	KARTHKRAJA.J.K	IV/VII	/	/	/	/	/	/



46	B	611214114077	KARTHIKRAJ R	IV/VII	/	/	/	/	/	/
47	B	611214114078	KARUNAKARAN,V	IV/VII	/	/	/	/	/	/
48	D	611214114081	KAVIBARATHI V	IV/VII	/	/	/	/	/	/
49	A	611214114082	KAVIN KUMAR VADIVEL,V	IV/VII	/	/	/	/	/	/
50	C	611214114083	KIRUBAKARAN,S	IV/VII	/	/	/	/	/	/
51	C	611214114087	KUMAR,M	IV/VII	/	/	/	/	/	/
52	C	611214114088	KUPPURAJS	IV/VII	/	/	/	/	/	/
53	B	611214114089	LAVANYA L	IV/VII	/	/	/	/	/	/
54	A	611214114093	MALLIGARAJ V	IV/VII	/	/	/	/	/	/
55	A	611214114095	MANIKANDAN,G	IV/VII	/	/	/	/	/	/
56	C	611214114096	MANIKANDAN,K	IV/VII	/	/	/	/	/	/
57	B	611214114097	MANIKANDAN,L	IV/VII	/	/	/	/	/	/
58	B	611214114101	MANI VASAGAM,J	IV/VII	/	/	/	/	/	/
59	D	611214114102	MANIVELRAJA R	IV/VII	/	/	/	/	/	/
60	C	611214114103	MANOJA	IV/VII	/	/	/	/	/	/
61	C	611214114106	MATHU PRASATH,R	IV/VII	/	/	/	/	/	/
62	C	611214114110	MOHAMMED JAVITHY	IV/VII	/	/	/	/	/	/
63	C	611214114111	MOHAN PRASATH, K.C	IV/VII	/	/	/	/	/	/
64	C	611214114117	MUTHUKUMARAN,M	IV/VII	/	/	/	/	/	/
65	C	611214114119	MUTHUVEL,S	IV/VII	/	a	/	a	/	/
66	D	611214114120	NAGARAJAN N	IV/VII	/	/	/	/	/	/
67	B	611214114123	NAVEEN,V	IV/VII	/	/	/	/	/	/
68	C	611214114124	NAVEEN KUMARA	IV/VII	/	/	/	/	/	/
69	C	611214114136	PRAGATHI,B	IV/VII	/	/	/	/	/	/
70	B	611214114153	RESHMA S	IV/VII	/	/	/	/	/	/
71	D	611214114173	SIBICHANDAN S S	IV/VII	/	/	/	/	/	/
72	C	611214114196	VENGATA SUDARSHAN,R.R	IV/VII	/	/	/	/	/	/
73	D	611214114199	VENKATESH R	IV/VII	/	/	/	/	/	/
74	C	611214114205	VIJAY,A.K.V	IV/VII	/	/	/	/	/	/
75	D	611214114215	YOGESHWAR P	IV/VII	/	/	/	/	/	/
76	A	611214114302	AJEETH KUMAR M	IV/VII	/	/	/	/	/	/
77	B	611214114303	ANGURAJ T	IV/VII	/	/	/	/	/	/
78	B	611214114307	BALAN S	IV/VII	/	/	/	/	/	/
79	B	611214114309	DHAMOTHARAN A	IV/VII	/	/	/	/	/	a
80	B	611214114310	DINESHKUMAR R	IV/VII	/	/	/	/	/	/
81	D	611214114311	ELANGO BHARATHI N	IV/VII	/	/	/	/	/	/
82	B	611214114314	IDUMBAN R	IV/VII	/	/	a	/	/	/
83	C	611214114315	JAYAPRAKASH, B	IV/VII	/	/	/	/	/	/
84	A	611214114318	KARTHI,C,M	IV/VII	/	/	/	/	/	/
85	C	611214114321	MADHESHWARAN,S	IV/VII	/	/	/	/	/	/
86	C	611214114326	MOHAN RAJ,G	IV/VII	/	/	/	/	/	/
87	C	611214114327	MUTHUKUMAR,G	IV/VII	/	/	/	/	/	/
88	B	611214114334	PRAKASHRAJ P	IV/VII	/	/	/	/	/	/
89	B	611214114341	SATHYAN A	IV/VII	/	/	/	/	/	/
90	C	611214114350	VIGNESH,N	IV/VII	/	/	/	/	/	/
No. of Students Present					89	88	87	88	89	88
No. of Students Absent					01	02	03	02	01	02
Faculty Signature					<i>Se</i>	<i>Se</i>	<i>Se</i>	<i>Se</i>	<i>Se</i>	<i>Se</i>

*[Signature]*  
FACULTY INCHARGE

*[Signature]*  
PH. NCIPLA,  
Knowledge Institute of Technology  
Kakapalavam (PO) Salem - 637 504

*[Signature]*  
HOD MECHANICAL



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-2) USING NXCAD SOFTWARE**  
**TRAINING ATTENDANCE SHEET (17.07.2017 to 29.07.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	25.07.2017	26.07.2017	27.07.2017	28.07.2017	29.07.2017
1	C	611214114003	AKSHAY.V	IV/VII	/	/	/	/	/
2	A	611214114004	ABISHEK A G	IV/VII	/	/	/	/	/
3	B	611214114006	ANWARBASHA. N	IV/VII	/	/	/	/	/
4	A	611214114011	ARUN.V	IV/VII	/	/	/	/	/
5	D	611214114019	BALAJI M	IV/VII	/	a	a	/	/
6	D	611214114021	BALAMURALI KRISHNAN V	IV/VII	/	/	/	/	/
7	D	611214114022	BALUMAHENDRAN B	IV/VII	/	/	/	/	/
8	B	611214114024	DEENADAYALAN.H	IV/VII	/	/	/	/	/
9	A	611214114027	DHARMAPRAKASH.M	IV/VII	/	/	/	/	/
10	A	611214114028	DHATCHINAMOORTHY S	IV/VII	/	/	/	/	/
11	D	611214114031	DINESH G	IV/VII	/	/	/	/	/
12	D	611214114033	DINESH KUMAR P	IV/VII	/	/	/	/	/
13	D	611214114034	DINESH KUMAR S	IV/VII	/	/	/	/	/
14	A	611214114035	EZHILARASAN.A	IV/VII	/	/	/	/	/
15	A	611214114036	GANESHANAND T M	IV/VII	/	/	/	/	/
16	D	611214114037	GANESHKUMAR S	IV/VII	/	/	/	/	/
17	D	611214114038	GIRIDHARAN M	IV/VII	/	/	/	/	/
18	B	611214114039	GOKULA KRISHNAN.S	IV/VII	/	/	/	/	/
19	D	611214114040	GOKULMUTHU M	IV/VII	/	/	/	/	/
20	D	611214114041	GOKULNATH J	IV/VII	/	/	/	/	/
21	D	611214114042	GOKUL RAJ B	IV/VII	/	/	/	a	/
22	B	611214114044	GOKULRAJ J	IV/VII	/	/	/	a	/
23	A	611214114045	GOKULRAJ K	IV/VII	/	/	/	/	/
24	D	611214114046	GOKULRAJ P	IV/VII	/	/	/	/	/
25	A	611214114047	GOKULRAJ R	IV/VII	/	/	/	/	/
26	D	611214114048	GOKUL RAJ S	IV/VII	/	/	/	/	/
27	B	611214114049	GOKULRAJ.V	IV/VII	/	/	/	/	/
28	A	611214114051	GOPINATH.A	IV/VII	/	/	/	/	/
29	B	611214114052	GOPINATH C M	IV/VII	/	/	/	/	/
30	D	611214114053	GOWDAMAN S	IV/VII	/	/	/	/	/
31	A	611214114054	GOWTHAM.C	IV/VII	/	/	/	/	9
32	B	611214114055	GOWTHAM T	IV/VII	/	/	/	/	/
33	D	611214114056	GOWTHAMAN S	IV/VII	/	/	/	/	/
34	A	611214114057	GUNASEKARAN N	IV/VII	/	/	/	/	/
35	D	611214114058	GURUNATHAN P	IV/VII	/	/	/	/	/
36	B	611214114059	HARI.G	IV/VII	/	/	/	/	/
37	D	611214114060	HARIHARAN K B	IV/VII	/	/	/	/	/
38	A	611214114061	HARIHARAN M	IV/VII	/	/	/	/	/
39	B	611214114064	JAGATHISH.S	IV/VII	/	/	/	/	/
40	A	611214114067	JEEVA HARIHARAN P.V	IV/VII	/	/	/	/	/
41	B	611214114070	KARTHICK D	IV/VII	/	/	/	/	/
42	C	611214114071	KARTHICK.M	IV/VII	/	/	/	/	/
43	A	611214114072	KARTHIK G	IV/VII	/	/	/	/	/

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 Kalpalayam (PO) Salem - 637 504



44	A	611214114073	KARTHIK.T	IV/VII	/	/	/	/	/
45	B	611214114076	KARTHKKRAJA.J.K	IV/VII	/	/	/	/	/
46	B	611214114077	KARTHIKRAJ R	IV/VII	/	/	/	/	/
47	B	611214114078	KARUNAKARAN.V	IV/VII	/	/	/	/	/
48	D	611214114081	KAVIBARATHI V	IV/VII	/	/	/	/	/
49	A	611214114082	KAVIN KUMAR VADIVEL.V	IV/VII	/	/	/	/	/
50	C	611214114083	KIRUBAKARAN.S	IV/VII	/	/	/	/	/
51	C	611214114087	KUMAR.M	IV/VII	/	/	/	/	/
52	C	611214114088	KUPPURAJ.S	IV/VII	/	/	/	/	/
53	B	611214114089	LAVANYA L	IV/VII	/	/	/	/	/
54	A	611214114093	MALLIGARAJ V	IV/VII	/	/	/	/	/
55	A	611214114095	MANIKANDAN.G	IV/VII	/	/	/	/	/
56	C	611214114096	MANIKANDAN.K	IV/VII	/	a	/	/	/
57	B	611214114097	MANIKANDAN.L	IV/VII	/	a	/	/	/
58	B	611214114101	MANI VASAGAM.J	IV/VII	/	/	/	/	/
59	D	611214114102	MANIVELRAJA R	IV/VII	/	/	/	/	/
60	C	611214114103	MANOJA	IV/VII	/	/	/	/	/
61	C	611214114106	MATHU PRASATH.R	IV/VII	/	/	/	/	/
62	C	611214114110	MOHAMMED JAVITH.Y	IV/VII	/	/	/	/	/
63	C	611214114111	MOHAN PRASATH. K.C	IV/VII	/	/	/	/	/
64	C	611214114117	MUTHUKUMARAN.M	IV/VII	/	/	/	/	/
65	C	611214114119	MUTHUVEL.S	IV/VII	/	/	/	/	/
66	D	611214114120	NAGARAJAN N	IV/VII	/	/	/	/	/
67	B	611214114123	NAVEEN.V	IV/VII	/	/	/	/	/
68	C	611214114124	NAVEEN KUMAR.A	IV/VII	/	/	/	/	/
69	C	611214114136	PRAGATHI.B	IV/VII	/	/	/	/	/
70	B	611214114153	RESHMA S	IV/VII	/	/	a	a	/
71	D	611214114173	SIBICHANDAN S S	IV/VII	/	/	/	/	/
72	C	611214114196	VENGATA SUDARSHAN.R.R	IV/VII	/	/	/	/	/
73	D	611214114199	VENKATESH R	IV/VII	/	/	/	/	/
74	C	611214114205	VIJAY.A.K.V	IV/VII	/	/	/	/	/
75	D	611214114215	YOGESHWAR P	IV/VII	/	/	/	/	/
76	A	611214114302	AJEETH KUMAR M	IV/VII	/	/	/	/	/
77	B	611214114303	ANGURAJ T	IV/VII	/	/	/	/	/
78	B	611214114307	BALAN S	IV/VII	/	/	/	/	/
79	B	611214114309	DHAMOTHARAN A	IV/VII	/	/	/	/	/
80	B	611214114310	DINESHKUMAR R	IV/VII	/	/	/	/	/
81	D	611214114311	ELANGO BHARATHI N	IV/VII	/	/	/	/	/
82	B	611214114314	IDUMBAN R	IV/VII	/	/	/	/	/
83	C	611214114315	JAYAPRAKASH. B	IV/VII	/	/	/	/	/
84	A	611214114318	KARTHIC.M	IV/VII	/	/	/	/	/
85	C	611214114321	MADHESHWARAN.S	IV/VII	/	/	/	/	/
86	C	611214114326	MOHAN RAJ.G	IV/VII	/	/	/	/	/
87	C	611214114327	MUTHUKUMAR.G	IV/VII	/	/	/	/	/
88	B	611214114334	PRAKASHRAJ P	IV/VII	/	/	/	/	/
89	B	611214114341	SATHYAN A	IV/VII	/	/	/	/	/
90	C	611214114350	VIGNESH.N	IV/VII	/	/	/	/	/
No. of Students Present					90	88	88	87	88
No. of Students Absent					-	02	02	03	02
Faculty Signature					<i>Pm</i>	<i>Pm</i>	<i>Pm</i>	<i>Pm</i>	<i>Pm</i>

*2017*  
FACULTY INCHARGE

*Pm*  
H N LIPAL,  
Knowledge Institute of Technology  
Akabalam (PO) Salem - 837 504

HOD MECHANICAL











**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: Gokulraj .J

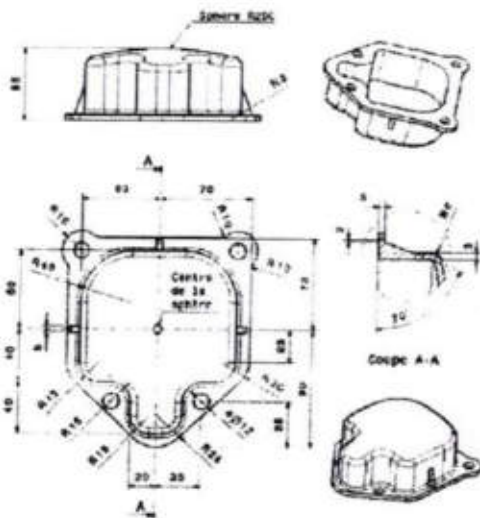
Reg. No: 611214114044

Year/Sem/Sec: IV/VII

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	20
2	SURFACE DESIGN	50	40
3	DETAILING	25	20
TOTAL MARKS		100	80

*Handwritten mark*



*Handwritten signature*  
M. N. LIPAL,  
Knowledge Institute of Technology  
Tirupattur (PO) Salem - 637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: *Rashmi M.*

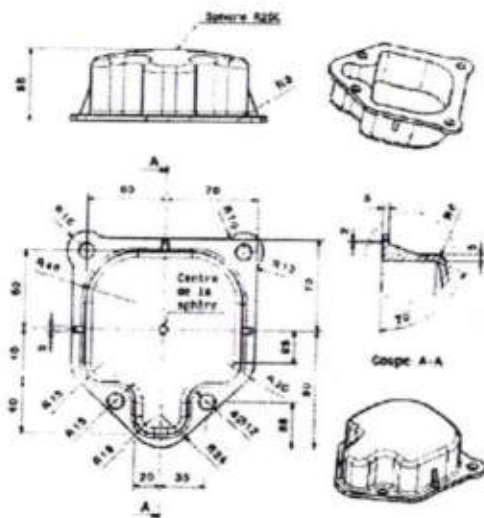
Reg. No: *011214114318*

Year/Sem/Sec: *IV / V / I*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	<i>15</i>
2	SURFACE DESIGN	50	<i>35</i>
3	DETAILING	25	<i>15</i>
TOTAL MARKS		100	<i>65</i>

*R*



*Rm*





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-2) USING NXCAD SOFTWARE**  
**EVALUATION MARK LIST**

29.07.17

S.NO	SEC	REG. NO	NAME	YEAR	Marks (100)
1	C	611214114003	AKSHAY.V	IV/VII	65
2	A	611214114004	ABISHEK A G	IV/VII	70
3	B	611214114006	ANWARBASHA. N	IV/VII	70
4	A	611214114011	ARUN.V	IV/VII	80
5	D	611214114019	BALAJI M	IV/VII	95
6	D	611214114021	BALAMURALI KRISHNAN V	IV/VII	65
7	D	611214114022	BALUMAHENDRAN B	IV/VII	55
8	B	611214114024	DEENADAYALAN.H	IV/VII	85
9	A	611214114027	DHARMAPRAKASH.M	IV/VII	60
10	A	611214114028	DHATCHINAMOORTHY S	IV/VII	80
11	D	611214114031	DINESH G	IV/VII	85
12	D	611214114033	DINESH KUMAR P	IV/VII	85
13	D	611214114034	DINESH KUMAR S	IV/VII	90
14	A	611214114035	EZHILARASAN.A	IV/VII	60
15	A	611214114036	GANESHANAND T M	IV/VII	90
16	D	611214114037	GANESHKUMAR S	IV/VII	75
17	D	611214114038	GIRIDHARAN M	IV/VII	80
18	B	611214114039	GOKULA KRISHNAN.S	IV/VII	95
19	D	611214114040	GOKULMUTHU M	IV/VII	100
20	D	611214114041	GOKULNATH J	IV/VII	60
21	D	611214114042	GOKUL RAJ B	IV/VII	70
22	B	611214114044	GOKULRAJ J	IV/VII	80
23	A	611214114045	GOKULRAJ K	IV/VII	80
24	D	611214114046	GOKULRAJ P	IV/VII	85
25	A	611214114047	GOKULRAJ R	IV/VII	65
26	D	611214114048	GOKUL RAJ S	IV/VII	75
27	B	611214114049	GOKULRAJ.V	IV/VII	70
28	A	611214114051	GOPINATH.A	IV/VII	70
29	B	611214114052	GOPINATH C M	IV/VII	65
30	D	611214114053	GOWDAMAN S	IV/VII	65

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PRINCIPAL



31	A	611214114054	GOWTHAM.C	IV/VII	65
32	B	611214114055	GOWTHAM T	IV/VII	90
33	D	611214114056	GOWTHAMAN S	IV/VII	75
34	A	611214114057	GUNASEKARAN N	IV/VII	80
35	D	611214114058	GURUNATHAN P	IV/VII	80
36	B	611214114059	HARI.G	IV/VII	90
37	D	611214114060	HARIHARAN K B	IV/VII	95
38	A	611214114061	HARIHARAN M	IV/VII	65
39	B	611214114064	JAGATHISH.S	IV/VII	95
40	A	611214114067	JEEVA HARIHARAN P.V	IV/VII	85
41	B	611214114070	KARTHICK D	IV/VII	80
42	C	611214114071	KARTHICK.M	IV/VII	70
43	A	611214114072	KARTHIK G	IV/VII	65
44	A	611214114073	KARTHIK.T	IV/VII	60
45	B	611214114076	KARTHKKRAJA.J.K	IV/VII	95
46	B	611214114077	KARTHIKRAJ R	IV/VII	80
47	B	611214114078	KARUNAKARAN.V	IV/VII	75
48	D	611214114081	KAVIBARATHI V	IV/VII	55
49	A	611214114082	KAVIN KUMAR VADIVEL.V	IV/VII	50
50	C	611214114083	KIRUBAKARAN.S	IV/VII	65
51	C	611214114087	KUMAR.M	IV/VII	55
52	C	611214114088	KUPPURAJ.S	IV/VII	90
53	B	611214114089	LAVANYA L	IV/VII	95
54	A	611214114093	MALLIGARAJ V	IV/VII	80
55	A	611214114095	MANIKANDAN.G	IV/VII	75
56	C	611214114096	MANIKANDAN.K	IV/VII	75
57	B	611214114097	MANIKANDAN.L	IV/VII	85
58	B	611214114101	MANI VASAGAM.J	IV/VII	80
59	D	611214114102	MANIVELRAJA R	IV/VII	80
60	C	611214114103	MANOJA	IV/VII	90
61	C	611214114106	MATHU PRASATH.R	IV/VII	95
62	C	611214114110	MOHAMMED JAVITH.Y	IV/VII	80
63	C	611214114111	MOHAN PRASATH. K.C	IV/VII	85
64	C	611214114117	MUTHUKUMARAN.M	IV/VII	75
65	C	611214114119	MUTHUVEL.S	IV/VII	70
66	D	611214114120	NAGARAJAN N	IV/VII	60
67	B	611214114123	NAVEEN.V	IV/VII	65
68	C	611214114124	NAVEEN KUMAR.A	IV/VII	80
69	C	611214114136	PRAGATHI.B	IV/VII	70

*Pm*

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29.7.17

70	B	611214114153	RESHMA S	IV/VII	65
71	D	611214114173	SIBICHANDAN S S	IV/VII	70
72	C	611214114196	VENGATA SUDARSHAN.R.R	IV/VII	75
73	D	611214114199	VENKATESH R	IV/VII	80
74	C	611214114205	VIJAY.A.K.V	IV/VII	85
75	D	611214114215	YOGESHWAR P	IV/VII	95
76	A	611214114302	AJEETH KUMAR M	IV/VII	65
77	B	611214114303	ANGURAJ T	IV/VII	60
78	B	611214114307	BALAN S	IV/VII	55
79	B	611214114309	DHAMOTHARAN A	IV/VII	90
80	B	611214114310	DINESHKUMAR R	IV/VII	90
81	D	611214114311	ELANGO BHARATHI N	IV/VII	95
82	B	611214114314	IDUMBAN R	IV/VII	70
83	C	611214114315	JAYAPRAKASH. B	IV/VII	75
84	A	611214114318	KARTHIC.M	IV/VII	65
85	C	611214114321	MADHESHWARAN.S	IV/VII	80
86	C	611214114326	MOHAN RAJ.G	IV/VII	90
87	C	611214114327	MUTHUKUMAR.G	IV/VII	65
88	B	611214114334	PRAKASHRAJ P	IV/VII	70
89	B	611214114341	SATHYAN A	IV/VII	75
90	C	611214114350	VIGNESH.N	IV/VII	100

  
29/7/17  
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This certificate is awarded to

**AKSHAY.V (611214114003)**

In recognition of successful completion of

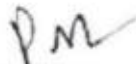
**“Solid Modeling (Level-2) using NXCAD software”**

  
P. K. N. LIPAL,  
Knowledge Institute of Technology  
Akshayaipalayam (PO) Salem - 637 504

Conducted by “CRCPDT-Harita Techserv Limited” from 17.07.2017 to 29.07.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



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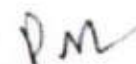
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Kakapalavam (PO) Salem - 637 504

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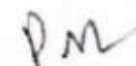
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Sakapalavem (PO), Salem - 637 504

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Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
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Principal

  
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**GOKULRAJ.J (611214114044)**

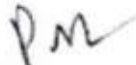
In recognition of successful completion of

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Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited

  
PR. N. PRASAD,  
Principal, Knowledge Institute of Technology  
Kakadalavem (PO) Salem - 637 504



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## ***Certificate of Completion***

This certificate is awarded to  
**GOPINATH.A (611214114051)**

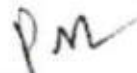
In recognition of successful completion of

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Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *curral. M*

Year/Sem/Sec: *IV I V II*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing		✓			
2	Generative Sheet metal Design		✓			
3	Generative Shape Design		✓			
4	Course content and Hands on Experience of CATIA V5	✓				
5	Trainer Explanation level about this course	✓				
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course		✓			

Suggestion for Improvement

*M. Karan*  
Signature of the Candidate

*pm*  
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Knowledge Institute of Technology  
Talakapalavam (PO) Salem - 637 504





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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *Karthik .T*

Year/Sem/Sec: *IV | V | I*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing		✓			
2	Generative Sheet metal Design			✓		
3	Generative Shape Design				✓	
4	Course content and Hands on Experience of CATIA V5		✓			
5	Trainer Explanation level about this course		✓			
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course		✓			

Suggestion for Improvement

*Karthik .T.*

Signature of the Candidate

*P.M.*

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**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: gokulnath.J

Year/Sem/Sec: 1V IV 11

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing		✓			
2	Generative Sheet metal Design			✓		
3	Generative Shape Design		✓			
4	Course content and Hands on Experience of CATIA V5		✓			
5	Trainer Explanation level about this course		✓			
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course		✓			

Suggestion for Improvement

Signature of the Candidate

P.K. N. LIPAL,  
Knowledge Institute of Technology  
Akapatavam (PO) Salem - 637 504





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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *T.N. Ganesh Anand*

Year/Sem/Sec: *6 IV / VII*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing	/				
2	Generative Sheet metal Design	/				
3	Generative Shape Design	/				
4	Course content and Hands on Experience of CATIA V5	/				
5	Trainer Explanation level about this course	/				
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings	/				
7	Overall Experience about this course	/				

Suggestion for Improvement

*Ganesh.T.M*  
Signature of the Candidate

*[Signature]*  
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Knowledge Institute of Technology  
Kakabalayam (PO) Salem - 837 504



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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: Dineshkumar.S

Year/Sem/Sec: 17 / V / II

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing	✓				
2	Generative Sheet metal Design		✓			
3	Generative Shape Design	✓				
4	Course content and Hands on Experience of CATIA V5		✓			
5	Trainer Explanation level about this course	✓				
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course	✓				

Suggestion for Improvement

*S. Dineshkumar*

Signature of the Candidate

*pm*

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Kakopalayam (PO) Salem - 637 504



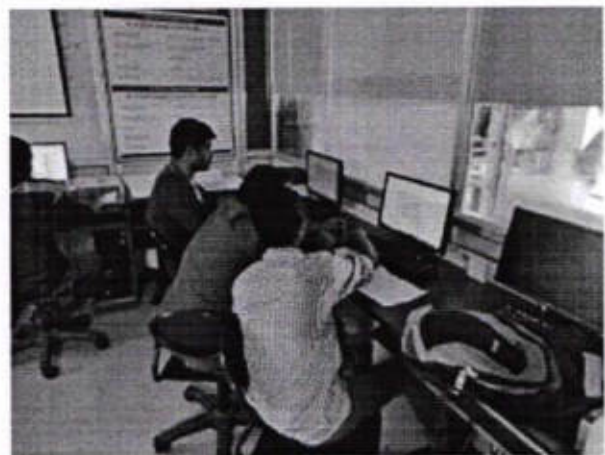
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Approved by AICTE, Affiliated to Anna University, Chennai.


**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-2) using CATIA & NXCAD software		
Resource Person details	Mr..S.NAVEENKUMAR & Mr.KV.RANGASAMY Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 180
Date, Time and Venue	17.07.2017-29.07.2017 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 3 features of CATIA & NXCAD software. It contains CATIA & NXCAD Advanced level.
2. He explained about drafting and detailing, generative sheet metal design and generative shape design.
3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).
4. He shared his personal experiences and difficulties he faced in his Industrial Career.



  
**Principal,**  
Knowledge Institute of Techno-  
parkapalayam (Po), Salem-637 504



From

J.Prakash,  
Assistant Professor  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

Composite research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) and Designers club is jointly organizing Solid Modeling (Level-2) using CATIA software. In this regard, I request your permission to execute the Certificate course for Mechanical Engineering students.

Thanking You

Salem

05.07.2017

Forwarded to the Principal

*Handwritten signature*

Yours Faithfully

*J. Prakash*  
J.Prakash

*Handwritten signature*

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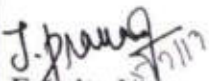
CIRCULAR

Circular No.		Date	05.07.2017
To	IV & III-Year students		
Subject	Solid Modeling (Level-2) using CATIA & NXCAD software		

This is to inform you that Center of Excellence – Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) & Designers Club has planned to conduct CATIA course for IV & III year students. Interested candidates are requested to register their names to COE Incharge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Solid Modeling (Level-2) using CATIA & NXCAD software	COE – CRCPDT, A-Block, KIOT. 17.07.2017 – 29.07.2017	Mr.S.Naveenkumar Mr.K.V.Rangasamy AP Mechanical Engg. KIOT

For Further Details Kindly Contact: Mr.J. Prakash, AP/Mech, Faculty Incharge,  
COE-CRCPDT. M:+91 9789565007

  
Faculty Incharge

  
HOD

  
PRINCIPAL

# Certificate Course on Solid Modeling (Level-2) using CATIA software

17.07.2017 to 29.07.2017



*Peyond Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

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KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.  
www.kiot.ac.in

in association with



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### About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC. In the single window counselling (TNEA 2017) seats of KIOT were filled in 82<sup>nd</sup> position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs. KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

### About the Department

**Vision:** To create competent and industry relevant Mechanical Engineers with professional and social values to meet global challenges.

### Mission:

- Enabling environment for effective teaching - learning and research to meet global challenges.

- Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.
- Establish a continuous Industry Institute Interaction to make the students employable.
- Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E Industrial Safety Engineering & Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techserv Pvt. Ltd. and IAPMO (International Association of Plumbing and Mechanical Officials).

### SYLLABUS

#### 1.Introduction to CATIA V5

Introduction About CATIA V5, History of CATIA, CATIA modeling process, Parametric design concept, feature based design, About PLM, CATIA Features, SKETCHER, Creating the new part.

#### 2.SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points.



Operations, Corner, Chamfer, Projections, Transformations.

Constrains. Constrain dialogue box. Constrains. Fix together, Animate constrain. Edit multi constrain, Sketch tools. Grid. Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.

### 3. PART MODELING

Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffener.

Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.

Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face. Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror, Pattern-Rectangular.

Circular. User defined Design table, Power copy, Functions and relations, Catalog Scaling-Scale, Affinity Reference elements- Point.

Planes, Boolean operations- Assemble, Add, Remove, Intersect, Union trim.

### 4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component,

Product, Part Existing component, Existing component with positioning Replace component.

Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap, Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset.

Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain, Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.

### 5. DRAFTING AND DETAILING

Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view, Advanced front view Sections Detail view, Clipping view, Broken view. View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions

Stacked dimensions, Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions, Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature. Geometric tolerance Annotations Text, Text with leader, Balloon. Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.

### 6. GENERATIVE SHEET METAL DESIGN

Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge, Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper.

Free form surface, Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point or curve mapping Cutting and stamping Pocket.

Hole, Circular cutout, corner relief, Fillet, Chamfer.

### 7. GENERATIVE SHAPE DESIGN

Wireframe Points, Points and plane repetition, Extremum and Extremum polar Line, Axis, Polyline Planes Projection.

Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder

Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface. Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.

**For Registration Kindly Contact:**

**Mr.J.Prakash, AP/Mech,**

**Faculty Incharge,COE-CRCPDT.**

**M:+91 9789565007, Mail:jpmech@kiot.ac.in**

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Department of Mechanical Engineering

**Course Plan**

Name of the COE	Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT)		
Name of the Course	CATIA V5		
Solid Modeling (Level-1) using CATIA software	04	Number of Hours	32 hours
Solid Modeling (Level-1) using CATIA software	03	Number of Hours	32 hours

**EXECUTION SCHEDULE**

Module No.	Name of the Module	No. of Hours
1	Introduction to CATIA V5	02
2	Sketcher Workbench	06
3	Part Modeling	12
4	Assembly Design	12
5	Drafting and Detailing	08
6	Generative Sheet metal Design	12
7	Generative Shape Design	12

  
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Detailed Execution Plan

Name of the Course Module: 1.Introduction to CATIA V5

Duration: 02 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1	Introduction About CATIA V5, History of CATIA, CATIA modeling process, Parametric design concept, feature based design. About PLM, CATIA Features, SKETCHER, Creating the new part.	1	1	-	Day 1

Detailed Execution Plan

Name of the Course Module: 2.SKETCHER WORKBENCH

Duration: 06

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2.1	Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points, Operations, Corner, Chamfer, Projections, Transformations.	1	2	-	Day 2
2.2	Constrains, Constrain dialogue box, Constrains, Fix together, Animate constrain, Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.	1	2	-	Day 3

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Detailed Execution Plan					
Name of the Course Module: 4. Assembly Design					
Duration: 12					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4.1	Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.	1	2	-	Day 8
4.2	Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap	1	2	-	Day 9
4.3	Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset. Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain,	1	2	-	Day 10
4.4	Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.	1	2	-	Day 11

Detailed Execution Plan					
Name of the Course Module: 5. Drafting and Detailing					
Duration: 08					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
	Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view,	1	1	-	Day 1

Detailed Execution Plan

Name of the Course Module: 3.PART MODELING

Duration: 12

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3.1	Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffner.	1	2	-	Day 4
3.2	Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.	1	2		Day 5
3.3	Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face, Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror, Pattern-Rectangular.	1	2	-	Day 6
3.4	Circular, User defined Design table, Power copy, Functions and relations, Catalog Scaling- Scale, Affinity Reference elements- Point, Axis, Planes, Boolean operations- Assemble, Add, Remove, Intersect, Union trim.	1	2	-	Day 7

5.1	Advanced front view Sections Detail view, Clipping view, Broken view, View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions.				
5.2	Stacked dimensions, Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions, Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature	1	2	-	Day 2
5.3	Geometric tolerance Annotations Text, Text with leader, Balloon, Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.	1	2	-	Day 3

Detailed Execution Plan

Name of the Course Module: 6. Generative Sheet metal Design

Duration: 12

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
6.1	Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge	1	2	-	Day 4
6.2	Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper. Free form surface	1	2	-	Day 5



6.3	Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point	1	2	-	Day 6
6.4	Curve mapping Cutting and stamping Pocket Hole, Circular cutout, corner relief, Fillet, Chamfer.	1	2	-	Day 7

**Detailed Execution Plan**

Name of the Course Module: 7. Generative Shape Design

Duration: 12

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
7.1	Wireframe Points, Points and plane repetition, Extremum and Extremum polar Line, Axis, Polyline Planes Projection.	1	2	-	Day 8
7.2	Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder	1	2	-	Day 9
7.3	Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface.	1	2	-	Day 10
7.4	Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.	1	2	-	Day 11

*J. Prasad*  
FACULTY I/c

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**NAME LIST**

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	C	611215114005	AJAY THILAK G	III/V	
2	C	611215114006	AJITHKUMAR G	III/V	
3	B	611215114007	ANBARASU.P	III/V	
4	C	611215114008	ARAVIND G	III/V	
5	B	611215114009	ARAVIND KUMAR K	III/V	
6	C	611215114015	ARUN PRAKASH B	III/V	
7	D	611215114017	ASWATHY B	III/V	
8	D	611215114020	BASKAR M	III/V	
9	C	611215114023	BHARATH M	III/V	
10	C	611215114024	BHARATH RAJ M	III/V	
11	C	611215114025	BOOBALAN R	III/V	
12	C	611215114028	CHANDRU S	III/V	
13	A	611215114029	DEVARAJ K M	III/V	
14	A	611215114031	DHANESH KUMAR P	III/V	
15	A	611215114032	DHARANI DHARAN R.S	III/V	
16	A	611215114033	DHARUNKUMAR N	III/V	
17	C	611215114037	DINAKARAN K	III/V	
18	C	611215114038	DINESH M	III/V	
19	A	611215114040	DINESH S	III/V	
20	A	611215114041	DINESHBABU C	III/V	
21	A	611215114042	DINESH KUMAR J	III/V	
22	D	611215114043	DIVYA M B	III/V	
23	D	611215114044	ELAMUGIL J	III/V	
24	D	611215114045	GOBI G	III/V	
25	D	611215114047	GOKULRAJ S	III/V	
26	B	611215114049	GOKULRAM M	III/V	
27	D	611215114052	GOWRI SHANKAR E	III/V	
28	D	611215114054	GOWTHAM P	III/V	
29	A	611215114055	GOWTHAM U	III/V	
30	A	611215114056	GOWTHAM V	III/V	
31	D	611215114057	GOWTHAMAN R	III/V	
32	D	611215114059	GUKAN A	III/V	
33	D	611215114060	GURUCHANDRAN V	III/V	
34	D	611215114062	HARI KRISHNAN M	III/V	
35	D	611215114063	HARIPRASATH V	III/V	

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36	B	611215114067	JAISELVA S	III/V	
37	D	611215114068	JANARTHAN R	III/V	
38	A	611215114069	JANARTHANAN C	III/V	
39	A	611215114070	JAVID RIZVI J	III/V	
40	D	611215114071	JEEVANANDHAM J	III/V	
41	C	611215114072	JEEVANANTHAM P	III/V	
42	D	611215114073	JEEVANANTHAM R	III/V	
43	B	611215114074	JIBIN RAJU.M	III/V	
44	A	611215114075	KALAISELVAN S	III/V	
45	D	611215114076	KALAIVANI S	III/V	
46	A	611215114077	KANISHKARAN U	III/V	
47	C	611215114078	KARTHIKEYAN D	III/V	
48	C	611215114080	KARTHIKEYAN P	III/V	
49	B	611215114081	KAVI GOKUL G S	III/V	
50	B	611215114082	KAVIN P	III/V	
51	C	611215114084	KAVINESH S	III/V	
52	A	611215114085	KAVINKUMAR K	III/V	
53	B	611215114086	KAVIRAJ K	III/V	
54	D	611215114087	KEERTHINATH B	III/V	
55	C	611215114088	KEERTHIVASAN R	III/V	
56	A	611215114090	KIRAN PRASAD R	III/V	
57	B	611215114100	MANIKANDAN R	III/V	
58	A	611215114101	MANIKANDAN V	III/V	
59	D	611215114112	METHA T	III/V	
60	A	611215114117	MOHAN S P	III/V	
61	A	611215114122	MOULEESWARAN R	III/V	
62	B	611215114129	MYDEESH R	III/V	
63	C	611215114150	PRASANTH G	III/V	
64	C	611215114151	PRASANTH G R	III/V	
65	A	611215114153	PRAVEENRAJ A	III/V	
66	C	611215114155	PRAVIN M	III/V	
67	A	611215114156	PRAVINKUMAR S	III/V	
68	B	611215114157	PREMKUMAR K	III/V	
69	C	611215114159	RAGUL K	III/V	
70	A	611215114160	RAHUL B	III/V	
71	A	611215114163	RAJ KUMAR S	III/V	
72	C	611215114164	RAMAMOORTHY S	III/V	
73	C	611215114170	RAVI SHANKAR G	III/V	
74	A	611215114173	ROOPAN V	III/V	
75	B	611215114174	SABARINATHAN S	III/V	
76	C	611215114175	SABARISH S	III/V	
77	C	611215114176	SANJAYKRISHNA G S	III/V	
78	C	611215114177	SANJAY KRISHNA M	III/V	
79	A	611215114179	SANTHOSH V	III/V	



80	A	611215114180	SANTHOSHKUMAR K	III/V	
81	C	611215114181	SANTHOSHKUMAR M	III/V	
82	A	611215114182	SANTHOSHKUMAR M	III/V	
83	A	611215114183	SANTHOSHKUMAR N	III/V	
84	A	611215114184	SANTHOSH KUMAR D	III/V	
85	D	611215114198	SHATHYAPRAKASH M	III/V	
86	C	611215114200	SIDDIQ AHAMED S	III/V	
87	C	611215114201	SIVALINGAM S V	III/V	
88	A	611215114203	SRIDHAR K S	III/V	
89	B	611215114236	VIJAYAKANNAN A	III/V	
90	A	611215114333	RAMAKRISHNAN N	III/V	

*S. Neenu*  
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**TRAINING ATTENDANCE SHEET (17.07.2017 to 29.07.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	17.07.2017	18.07.2017	19.07.2017	20.07.2017	21.07.2017	24.07.2017
1	C	611215114005	AJAY THILAK G	III/V	/	/	/	/	/	/
2	C	611215114006	AJITHKUMAR G	III/V	/	/	/	/	/	/
3	B	611215114007	ANBARASU.P	III/V	/	/	/	/	/	/
4	C	611215114008	ARAVIND G	III/V	/	/	/	/	/	/
5	B	611215114009	ARAVIND KUMAR K	III/V	/	/	/	/	/	/
6	C	611215114015	ARUN PRAKASH B	III/V	/	/	/	/	/	/
7	D	611215114017	ASWATHY B	III/V	/	/	/	/	/	/
8	D	611215114020	BASKAR M	III/V	/	/	/	/	/	/
9	C	611215114023	BHARATH M	III/V	/	/	/	/	/	/
10	C	611215114024	BHARATH RAJ M	III/V	/	/	/	/	/	/
11	C	611215114025	BOOBALAN R	III/V	/	/	/	/	/	/
12	C	611215114028	CHANDRU S	III/V	/	/	/	/	/	/
13	A	611215114029	DEVARAJ K M	III/V	/	/	/	/	/	/
14	A	611215114031	DHANESH KUMAR P	III/V	/	/	/	/	/	/
15	A	611215114032	DHARANI DHARAN R.S	III/V	a	a	/	/	/	/
16	A	611215114033	DHARUNKUMAR N	III/V	/	/	/	/	/	/
17	C	611215114037	DINAKARAN K	III/V	/	/	/	/	/	/
18	C	611215114038	DINESH M	III/V	/	/	/	/	/	/
19	A	611215114040	DINESH S	III/V	/	/	/	/	/	/
20	A	611215114041	DINESHBABU C	III/V	/	/	/	/	/	/
21	A	611215114042	DINESH KUMAR J	III/V	/	/	a	/	/	/
22	D	611215114043	DIVYA M B	III/V	/	/	/	/	/	/
23	D	611215114044	ELAMUGIL J	III/V	/	/	a	/	/	/
24	D	611215114045	GOBI G	III/V	/	/	/	/	/	/
25	D	611215114047	GOKULRAJ S	III/V	/	/	/	/	/	/
26	B	611215114049	GOKULRAM M	III/V	/	/	/	/	/	/
27	D	611215114052	GOWRI SHANKAR E	III/V	/	/	/	/	/	/
28	D	611215114054	GOWTHAM P	III/V	/	/	/	/	/	/
29	A	611215114055	GOWTHAM U	III/V	/	/	/	/	/	a
30	A	611215114056	GOWTHAM V	III/V	/	/	/	/	/	/
31	D	611215114057	GOWTHAMAN R	III/V	/	/	/	/	/	/
32	D	611215114059	GUKAN A	III/V	/	/	/	/	/	/
33	D	611215114060	GURUCHANDRAN V	III/V	/	/	/	/	/	/
34	D	611215114062	HARI KRISHNAN M	III/V	/	/	/	/	/	/
35	D	611215114063	HARIPRASATH V	III/V	/	/	/	/	/	/
36	B	611215114067	JAISELVA S	III/V	/	/	/	/	/	/
37	D	611215114068	JANARTHAN R	III/V	/	/	/	/	/	/
38	A	611215114069	JANARTHANAN C	III/V	/	/	/	/	/	/
39	A	611215114070	JAVID RIZVI J	III/V	/	/	/	/	/	/
40	D	611215114071	JEEVANANDHAM J	III/V	/	/	/	/	/	/
41	C	611215114072	JEEVANANTHAM P	III/V	/	/	/	/	/	/
42	D	611215114073	JEEVANANTHAM R	III/V	/	/	/	/	/	/
43	B	611215114074	JIBIN RAJU.M	III/V	/	/	/	/	/	/
44	A	611215114075	KALAISELVAN S	III/V	/	/	/	/	/	/
45	D	611215114076	KALAIVANI S	III/V	/	/	/	/	/	/

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46	A	611215114077	KANISHKARAN U	III/V	/	/	/	/	/	/
47	C	611215114078	KARTHIKEYAN D	III/V	/	/	/	/	/	/
48	C	611215114080	KARTHIKEYAN P	III/V	/	/	/	/	/	/
49	B	611215114081	KAVI GOKUL G S	III/V	/	/	/	/	/	/
50	B	611215114082	KAVIN P	III/V	/	/	/	/	/	/
51	C	611215114084	KAVINESH S	III/V	/	/	/	/	/	/
52	A	611215114085	KAVINKUMAR K	III/V	/	/	/	/	/	/
53	B	611215114086	KAVIRAJ K	III/V	/	/	/	/	/	/
54	D	611215114087	KEERTHINATH B	III/V	/	/	/	/	/	/
55	C	611215114088	KEERTHIVASAN R	III/V	/	/	/	/	/	/
56	A	611215114090	KIRAN PRASAD R	III/V	/	/	/	/	/	/
57	B	611215114100	MANIKANDAN R	III/V	/	/	/	/	/	/
58	A	611215114101	MANIKANDAN V	III/V	/	/	/	/	/	/
59	D	611215114112	METHA T	III/V	/	/	/	/	/	/
60	A	611215114117	MOHAN S P	III/V	/	/	/	/	/	/
61	A	611215114122	MOULEESWARAN R	III/V	/	/	/	/	/	/
62	B	611215114129	MYDEESH R	III/V	/	/	/	/	/	/
63	C	611215114150	PRASANTH G	III/V	/	/	/	/	/	/
64	C	611215114151	PRASANTH G R	III/V	/	/	/	/	/	/
65	A	611215114153	PRAVEENRAJ A	III/V	/	/	/	/	/	/
66	C	611215114155	PRAVIN M	III/V	/	/	/	/	/	/
67	A	611215114156	PRAVINKUMAR S	III/V	/	a	a	/	/	/
68	B	611215114157	PREMKUMAR K	III/V	/	/	/	/	/	/
69	C	611215114159	RAGUL K	III/V	/	/	/	/	/	/
70	A	611215114160	RAHUL B	III/V	/	/	/	/	/	/
71	A	611215114163	RAJ KUMAR S	III/V	/	/	/	/	/	/
72	C	611215114164	RAMAMOORTHY S	III/V	/	/	/	/	/	/
73	C	611215114170	RAVI SHANKAR G	III/V	/	/	/	/	/	/
74	A	611215114173	ROOPAN V	III/V	/	/	/	/	/	/
75	B	611215114174	SABARINATHAN S	III/V	/	/	/	/	/	/
76	C	611215114175	SABARISH S	III/V	/	/	/	/	/	/
77	C	611215114176	SANJAYKRISHNA G S	III/V	/	/	/	/	/	/
78	C	611215114177	SANJAY KRISHNA M	III/V	/	/	/	/	/	/
79	A	611215114179	SANTHOSH V	III/V	/	/	/	/	a	a
80	A	611215114180	SANTHOSHKUMAR K	III/V	/	/	/	/	/	/
81	C	611215114181	SANTHOSHKUMAR M	III/V	/	/	/	/	/	/
82	A	611215114182	SANTHOSHKUMAR M	III/V	/	/	/	/	/	/
83	A	611215114183	SANTHOSHKUMAR N	III/V	/	/	/	/	/	/
84	A	611215114184	SANTHOSH KUMAR D	III/V	/	/	/	/	/	/
85	D	611215114198	SHATHYAPRAKASH M	III/V	/	/	/	/	/	/
86	C	611215114200	SIDDIQ AHAMED S	III/V	/	/	/	/	/	/
87	C	611215114201	SIVALINGAM S V	III/V	/	/	/	/	/	/
88	A	611215114203	SRIDHAR K S	III/V	/	/	/	/	/	/
89	B	611215114236	VIJAYAKANNAN A	III/V	/	/	/	/	/	/
90	A	611215114333	RAMAKRISHNAN N	III/V	/	/	/	/	/	/
No. of Students Present					89	88	87	90	89	88
No. of Students Absent					01	02	03	-	01	02
Faculty Signature					L	L	L	L	L	L

*S. Kumar* 24/11/17  
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S.NO	SEC	REG. NO	NAME	YEAR	25.07.2017	26.07.2017	27.07.2017	28.07.2017	29.07.2017
1	C	611215114005	AJAY THILAK G	III/V	/	/	/	/	/
2	C	611215114006	AJITHKUMAR G	III/V	/	/	/	/	/
3	B	611215114007	ANBARASU.P	III/V	/	/	/	/	/
4	C	611215114008	ARAVIND G	III/V	/	/	/	/	/
5	B	611215114009	ARAVIND KUMAR K	III/V	/	/	/	/	/
6	C	611215114015	ARUN PRAKASH B	III/V	/	/	/	/	/
7	D	611215114017	ASWATHY B	III/V	/	/	/	/	/
8	D	611215114020	BASKAR M	III/V	/	/	/	/	/
9	C	611215114023	BHARATH M	III/V	/	/	/	/	/
10	C	611215114024	BHARATH RAJ M	III/V	/	/	/	/	/
11	C	611215114025	BOOBALAN R	III/V	/	/	/	/	/
12	C	611215114028	CHANDRU S	III/V	/	/	/	/	/
13	A	611215114029	DEVARAJ K M	III/V	/	/	/	/	/
14	A	611215114031	DHANESH KUMAR P	III/V	/	/	/	/	/
15	A	611215114032	DHARANI DHARAN R.S	III/V	/	a	/	/	/
16	A	611215114033	DHARUNKUMAR N	III/V	/	/	/	/	/
17	C	611215114037	DINAKARAN K	III/V	/	/	/	/	/
18	C	611215114038	DINESH M	III/V	/	a	/	/	/
19	A	611215114040	DINESH S	III/V	/	/	/	/	/
20	A	611215114041	DINESHBABU C	III/V	/	/	/	/	/
21	A	611215114042	DINESH KUMAR J	III/V	/	/	/	/	/
22	D	611215114043	DIVYA M B	III/V	/	/	/	/	/
23	D	611215114044	ELAMUGIL J	III/V	/	/	/	/	/
24	D	611215114045	GOBI G	III/V	/	/	/	/	/
25	D	611215114047	GOKULRAJ S	III/V	/	/	/	/	/
26	B	611215114049	GOKULRAM M	III/V	/	/	/	/	/
27	D	611215114052	GOWRI SHANKAR E	III/V	/	/	/	/	/
28	D	611215114054	GOWTHAM P	III/V	/	/	/	/	/
29	A	611215114055	GOWTHAM U	III/V	/	/	/	/	/
30	A	611215114056	GOWTHAM V	III/V	/	/	/	/	/
31	D	611215114057	GOWTHAMAN R	III/V	/	/	/	/	/
32	D	611215114059	GUKAN A	III/V	/	/	/	/	/
33	D	611215114060	GURUCHANDRAN V	III/V	/	/	/	/	/
34	D	611215114062	HARI KRISHNAN M	III/V	/	/	/	/	/
35	D	611215114063	HARIPRASATH V	III/V	/	/	/	/	/
36	B	611215114067	JAISELVA S	III/V	/	/	/	/	/
37	D	611215114068	JANARTHAN R	III/V	/	/	/	/	/
38	A	611215114069	JANARTHANAN C	III/V	/	/	/	/	/
39	A	611215114070	JAVID RIZVI J	III/V	/	/	/	/	/
40	D	611215114071	JEEVANANDHAM J	III/V	/	/	/	/	/
41	C	611215114072	JEEVANANTHAM P	III/V	/	/	/	/	/
42	D	611215114073	JEEVANANTHAM R	III/V	/	/	/	/	/
43	B	611215114074	JIBIN RAJU.M	III/V	/	/	/	/	/

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44	A	611215114075	KALAISEIVAN S	III/V	/	/	/	/	/
45	D	611215114076	KALAIVANI S	III/V	/	/	/	/	/
46	A	611215114077	KANISHKARAN U	III/V	/	/	/	/	/
47	C	611215114078	KARTHIKEYAN D	III/V	/	/	/	/	/
48	C	611215114080	KARTHIKEYAN P	III/V	/	/	/	/	/
49	B	611215114081	KAVI GOKUL G S	III/V	/	/	/	/	/
50	B	611215114082	KAVIN P	III/V	/	/	/	/	/
51	C	611215114084	KAVINESH S	III/V	/	/	/	/	/
52	A	611215114085	KAVINKUMAR K	III/V	/	/	/	/	/
53	B	611215114086	KAVIRAJ K	III/V	/	/	/	/	/
54	D	611215114087	KEERTHINATH B	III/V	/	/	/	/	/
55	C	611215114088	KEERTHIVASAN R	III/V	/	/	/	/	/
56	A	611215114090	KIRAN PRASAD R	III/V	/	/	/	/	/
57	B	611215114100	MANIKANDAN R	III/V	/	/	/	/	/
58	A	611215114101	MANIKANDAN V	III/V	/	/	/	/	/
59	D	611215114112	METHA T	III/V	/	/	/	/	/
60	A	611215114117	MOHAN S P	III/V	/	/	/	/	/
61	A	611215114122	MOULEESWARAN R	III/V	/	/	/	/	/
62	B	611215114129	MYDEESH R	III/V	/	/	/	/	/
63	C	611215114150	PRASANTH G	III/V	/	/	/	/	/
64	C	611215114151	PRASANTH G R	III/V	/	/	/	/	/
65	A	611215114153	PRAVEENRAJ A	III/V	/	/	/	/	/
66	C	611215114155	PRAVIN M	III/V	a	/	/	/	/
67	A	611215114156	PRAVINKUMAR S	III/V	/	/	/	/	/
68	B	611215114157	PREMKUMAR K	III/V	/	/	/	/	/
69	C	611215114159	RAGUL K	III/V	/	/	/	/	/
70	A	611215114160	RAHUL B	III/V	/	/	/	/	/
71	A	611215114163	RAJ KUMAR S	III/V	/	/	/	/	/
72	C	611215114164	RAMAMOORTHY S	III/V	/	/	/	/	/
73	C	611215114170	RAVI SHANKAR G	III/V	/	/	a	/	/
74	A	611215114173	ROOPAN V	III/V	/	/	/	/	/
75	B	611215114174	SABARINATHAN S	III/V	/	/	/	/	/
76	C	611215114175	SABARISH S	III/V	/	/	/	/	/
77	C	611215114176	SANJAYKRISHNA G S	III/V	/	/	/	/	/
78	C	611215114177	SANJAY KRISHNA M	III/V	/	/	/	/	/
79	A	611215114179	SANTHOSH V	III/V	/	/	/	/	/
80	A	611215114180	SANTHOSHKUMAR K	III/V	/	/	/	/	/
81	C	611215114181	SANTHOSHKUMAR M	III/V	/	/	/	/	/
82	A	611215114182	SANTHOSHKUMAR M	III/V	/	/	/	/	/
83	A	611215114183	SANTHOSHKUMAR N	III/V	/	/	/	/	a
84	A	611215114184	SANTHOSH KUMAR D	III/V	/	/	/	/	/
85	D	611215114198	SHATHYAPRAKASH M	III/V	/	/	/	/	/
86	C	611215114200	SIDDIQ AHAMED S	III/V	/	/	/	/	/
87	C	611215114201	SIVALINGAM S V	III/V	/	/	/	/	/
88	A	611215114203	SRIDHAR K S	III/V	/	/	/	/	/
89	B	611215114236	VIJAYAKANNAN A	III/V	/	/	/	/	/
90	A	611215114333	RAMAKRISHNAN N	III/V	/	/	/	/	/
No. of Students Present					89	88	89	90	89
No. of Students Absent					01	02	01	-	01
Faculty Signature					E	E	E	E	E

S. Venkatesh  
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HOD MECHANICAL





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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: Guikar.A

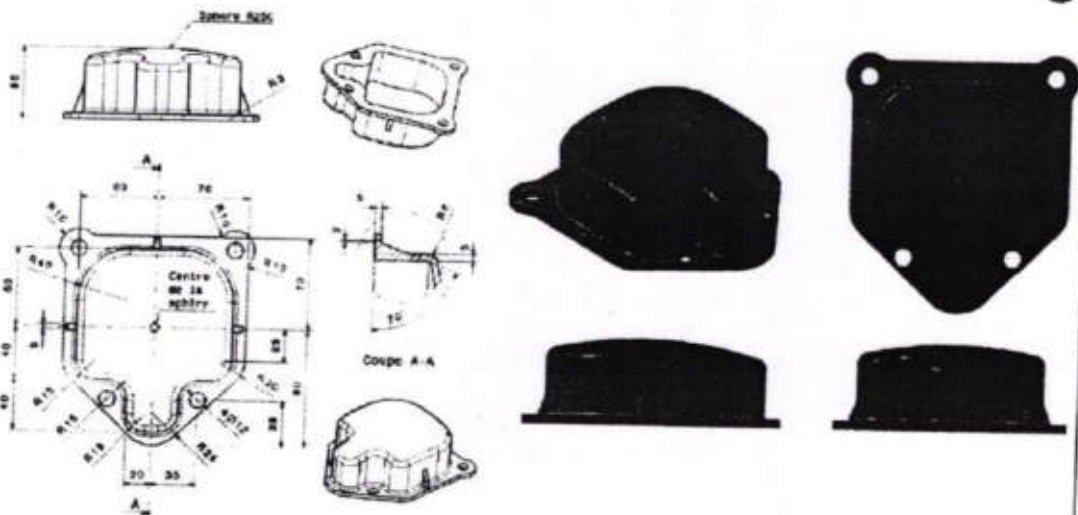
Reg. No: 611215114059

Year/Sem/Sec: III V

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	25
2	SURFACE DESIGN	50	45
3	DETAILING	25	20
TOTAL MARKS		100	90

*8/9/17/17*



*pm*



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: M. Baskar.

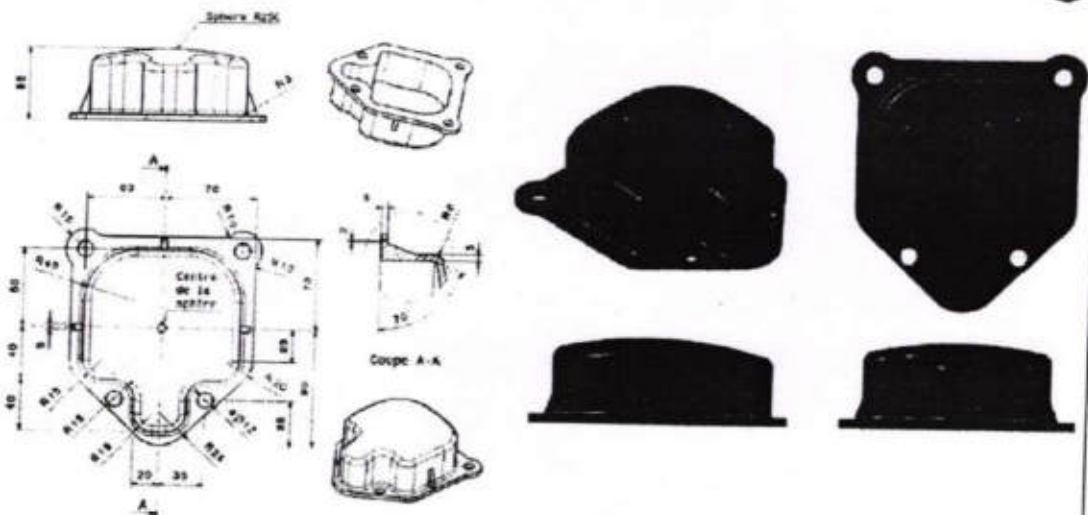
Reg. No: 611215114020

Year/Sem/Sec: III V

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	20
2	SURFACE DESIGN	50	40
3	DETAILING	25	20
TOTAL MARKS		100	80

29/7/17



*pm*





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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: *A. Chandru*

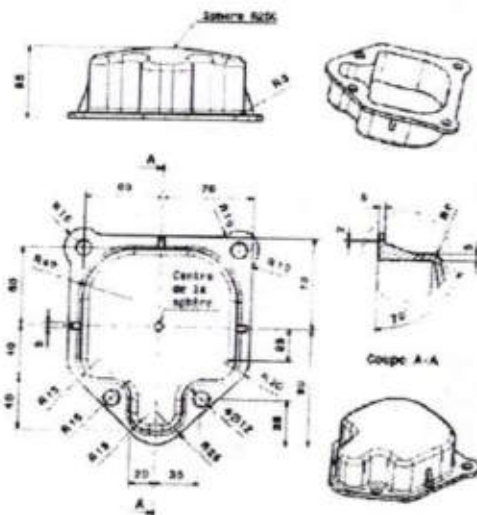
Reg. No: *611215114028*

Year/Sem/Sec: *III IV*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	<i>20</i>
2	SURFACE DESIGN	50	<i>45</i>
3	DETAILING	25	<i>20</i>
TOTAL MARKS		100	<i>85</i>

*8/9/17*



*PM*



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Department Of Mechanical Engineering

EVALUATION FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA & NXCAD software

Name: C. Divyashoban

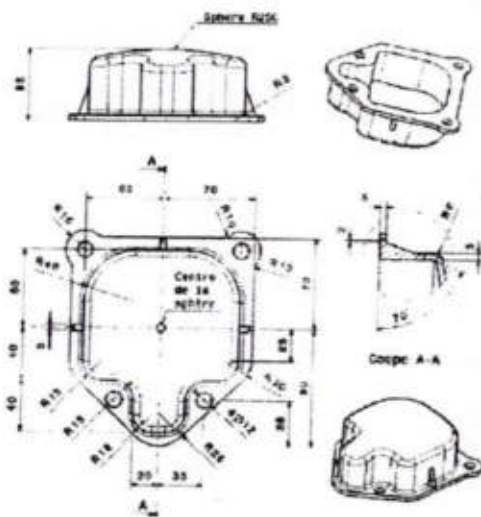
Reg. No: 6M15M04

Year/Sem/Sec: III / V

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	15
2	SURFACE DESIGN	50	30
3	DETAILING	25	15
TOTAL MARKS		100	60

29/7/17







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**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using CATIA & NXCAD software**

Name: சுபிரமணியன்

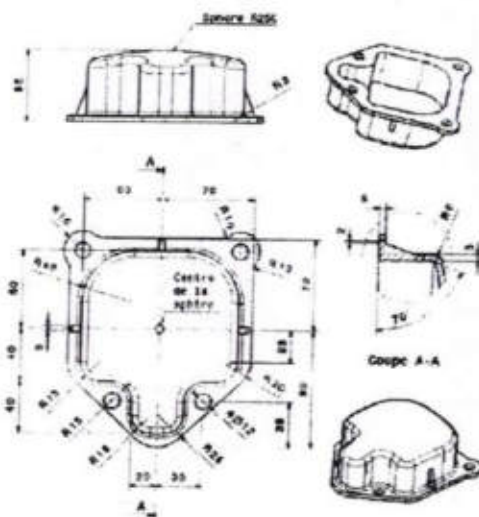
Reg. No: 611215114045

Year/Sem/Sec: 11112

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	15
2	SURFACE DESIGN	50	45
3	DETAILING	25	20
TOTAL MARKS		100	80

*Handwritten mark: 29/7/17*



*Handwritten signature: pm*

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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE**

**EVALUATION MARK LIST**

29.07.2017

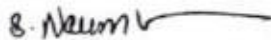
S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	C	611215114005	AJAY THILAK G	III/V	65
2	C	611215114006	AJITHKUMAR G	III/V	85
3	B	611215114007	ANBARASU.P	III/V	70
4	C	611215114008	ARAVIND G	III/V	85
5	B	611215114009	ARAVIND KUMAR K	III/V	90
6	C	611215114015	ARUN PRAKASH B	III/V	55
7	D	611215114017	ASWATHY B	III/V	60
8	D	611215114020	BASKAR M	III/V	80
9	C	611215114023	BHARATH M	III/V	65
10	C	611215114024	BHARATH RAJ M	III/V	85
11	C	611215114025	BOOBALAN R	III/V	70
12	C	611215114028	CHANDRU S	III/V	85
13	A	611215114029	DEVARAJ K M	III/V	90
14	A	611215114031	DHANESH KUMAR P	III/V	65
15	A	611215114032	DHARANI DHARAN R.S	III/V	85
16	A	611215114033	DHARUNKUMAR N	III/V	55
17	C	611215114037	DINAKARAN K	III/V	70
18	C	611215114038	DINESH M	III/V	65
19	A	611215114040	DINESH S	III/V	85
20	A	611215114041	DINESHBABU C	III/V	60
21	A	611215114042	DINESH KUMAR J	III/V	70
22	D	611215114043	DIVYA M B	III/V	65
23	D	611215114044	ELAMUGIL J	III/V	85
24	D	611215114045	GOBI G	III/V	80
25	D	611215114047	GOKULRAJ S	III/V	55
26	B	611215114049	GOKULRAM M	III/V	65
27	D	611215114052	GOWRI SHANKAR E	III/V	70
28	D	611215114054	GOWTHAM P	III/V	90
29	A	611215114055	GOWTHAM U	III/V	85
30	A	611215114056	GOWTHAM V	III/V	65
31	D	611215114057	GOWTHAMAN R	III/V	95
32	D	611215114059	GUKAN A	III/V	90
33	D	611215114060	GURUCHANDRAN V	III/V	70
34	D	611215114062	HARI KRISHNAN M	III/V	65
35	D	611215114063	HARIPRASATH V	III/V	85

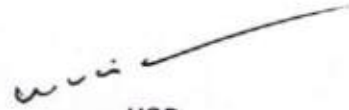


36	B	611215114067	JAISELVA S	III/V	65
37	D	611215114068	JANARTHAN R	III/V	85
38	A	611215114069	JANARTHANAN C	III/V	70
39	A	611215114070	JAVID RIZVI J	III/V	95
40	D	611215114071	JEEVANANDHAM J	III/V	65
41	C	611215114072	JEEVANANTHAM P	III/V	60
42	D	611215114073	JEEVANANTHAM R	III/V	65
43	B	611215114074	JIBIN RAJU.M	III/V	65
44	A	611215114075	KALAISELVAN S	III/V	70
45	D	611215114076	KALAIVANI S	III/V	85
46	A	611215114077	KANISHKARAN U	III/V	80
47	C	611215114078	KARTHIKEYAN D	III/V	75
48	C	611215114080	KARTHIKEYAN P	III/V	90
49	B	611215114081	KAVI GOKUL G S	III/V	90
50	B	611215114082	KAVIN P	III/V	65
51	C	611215114084	KAVINESH S	III/V	60
52	A	611215114085	KAVINKUMAR K	III/V	80
53	B	611215114086	KAVIRAJ K	III/V	85
54	D	611215114087	KEERTHINATH B	III/V	85
55	C	611215114088	KEERTHIVASAN R	III/V	90
56	A	611215114090	KIRAN PRASAD R	III/V	95
57	B	611215114100	MANIKANDAN R	III/V	70
58	A	611215114101	MANIKANDAN V	III/V	65
59	D	611215114112	METHA T	III/V	70
60	A	611215114117	MOHAN S P	III/V	90
61	A	611215114122	MOULEESWARAN R	III/V	60
62	B	611215114129	MYDEESH R	III/V	90
63	C	611215114150	PRASANTH G	III/V	80
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65	A	611215114153	PRAVEENRAJ A	III/V	60
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67	A	611215114156	PRAVINKUMAR S	III/V	70
68	B	611215114157	PREMKUMAR K	III/V	55
69	C	611215114159	RAGUL K	III/V	60
70	A	611215114160	RAHUL B	III/V	55
71	A	611215114163	RAJ KUMAR S	III/V	60
72	C	611215114164	RAMAMOORTHY S	III/V	70
73	C	611215114170	RAVI SHANKAR G	III/V	90
74	A	611215114173	ROOPAN V	III/V	65
75	B	611215114174	SABARINATHAN S	III/V	85
76	C	611215114175	SABARISH S	III/V	90
77	C	611215114176	SANJAYKRISHNA G S	III/V	75
78	C	611215114177	SANJAY KRISHNAA M	III/V	90
79	A	611215114179	SANTHOSH V	III/V	95

29.7.2017

80	A	611215114180	SANTHOSHKUMAR K	III/V	80
81	C	611215114181	SANTHOSHKUMAR M	III/V	90
82	A	611215114182	SANTHOSHKUMAR M	III/V	60
83	A	611215114183	SANTHOSHKUMAR N	III/V	65
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85	D	611215114198	SHATHYAPRAKASH M	III/V	75
86	C	611215114200	SIDDIQ AHAMED S	III/V	95
87	C	611215114201	SIVALINGAM S V	III/V	55
88	A	611215114203	SRIDHAR K S	III/V	60
89	B	611215114236	VIJAYAKANNAN A	III/V	65
90	A	611215114333	RAMAKRISHNAN N	III/V	75

  
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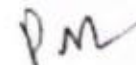
**“Solid Modeling (Level-2) using CATIA software”**

  
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Knowledge Institute of Technology  
Tarakdalavam (PO) Salem - 637 504

Conducted by “CRCPDT-Harita Techserv Limited” from 17.07.2017 to 29.07.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology Salem,  
Tamilnadu, India

  
**Mr. M. Sathyanathan**  
Coordinator

  
**Dr. K. Visagavel**  
HOD/Mechanical

  
**Dr. PSS. Srinivasan**  
Principal

  
**R. Shankarnarayanan**  
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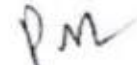
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Tamilnadu, India

  
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Coordinator

  
**Dr. K. Visagavel**  
HOD/Mechanical

  
**Dr. PSS. Srinivasan**  
Principal

  
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Coordinator

*u.v.v.*  
**Dr.K.Visagavel**  
HOD/Mechanical

*pm*  
**Dr.PSS.Srinivasan**  
Principal

*R.Shankar*  
**R.Shankarnarayanan**  
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**DIVYA.M.B (611214114043)**

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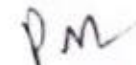
**“Solid Modeling (Level-2) using CATIA software”**

Conducted by “CRCPDT-Harita Techserv Limited” from 17.07.2017 to 29.07.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
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Knowledge Institute of Technology  
Kakadalavam (PO) Salem - 637 504

  
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Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
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This certificate is awarded to  
**GOWTHAM.P (611214114054)**

In recognition of successful completion of

**“Solid Modeling (Level-2) using CATIA software”**

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Department of Mechanical Engineering, Knowledge Institute of Technology Salem,  
Tamilnadu, India

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Knowledge Institute of Technology  
Vakapalayam (PO) Salem - 837 504

*bat*  
**Mr.M.Sathyanathan**  
Coordinator

*u.v.v.*  
**Dr.K.Visagavel**  
HOD/Mechanical

*pm*  
**Dr.PSS.Srinivasan**  
Principal

*R.Shankar*  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *V. Jayakannan. A.*

Year/Sem/Sec: *III / V*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing		✓			
2	Generative Sheet metal Design	✓				
3	Generative Shape Design		✓			
4	Course content and Hands on Experience of CATIA V5		✓			
5	Trainer Explanation level about this course		✓			
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course		✓			

Suggestion for Improvement

*V. Jayakannan. A.*  
Signature of the Candidate

*PM*  
M. K. N. LIPAL,  
Knowledge Institute of Technology,  
Vakabalam (PO) Salem - 837 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *Saidhar.K.S.*

Year/Sem/Sec: *III/V*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing	✓				
2	Generative Sheet metal Design	✓				
3	Generative Shape Design		✓			
4	Course content and Hands on Experience of CATIA V5	✓				
5	Trainer Explanation level about this course		✓			
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓				
7	Overall Experience about this course	✓				

Suggestion for Improvement

*S.S. Saidhar*

Signature of the Candidate

*PR*

PR NCIPAL,  
Knowledge Institute of Technology  
Kakkulayam (PO) Salem - 837 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: S. Rajkumar

Year/Sem/Sec: III / V

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing			✓		
2	Generative Sheet metal Design			✓		
3	Generative Shape Design		✓			
4	Course content and Hands on Experience of CATIA V5			✓		
5	Trainer Explanation level about this course		✓			
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
7	Overall Experience about this course		✓			

Suggestion for Improvement

S. Rajkumar  
Signature of the Candidate

Pm  
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Knowledge Institute of Technology  
Chakrapalavam (PO) Salem - 637 504





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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: Mydeesh. R.

Year/Sem/Sec: III IV

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing		/			
2	Generative Sheet metal Design		/			
3	Generative Shape Design		/			
4	Course content and Hands on Experience of CATIA V5	/				
5	Trainer Explanation level about this course	/				
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings	/				
7	Overall Experience about this course		/			

Suggestion for Improvement

*R. Mydeesh*

Signature of the Candidate



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-2) using NXCAD/CATIA software**

Name: *T. Metha*

Year/Sem/Sec: *III/V*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing	✓				
2	Generative Sheet metal Design	✓				
3	Generative Shape Design	✓				
4	Course content and Hands on Experience of CATIA V5	✓				
5	Trainer Explanation level about this course	✓				
6	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓				
7	Overall Experience about this course	✓				

Suggestion for Improvement

*T. Metha*

Signature of the Candidate

*Pm*

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Kakapalavam (PO) Salem - 637 504



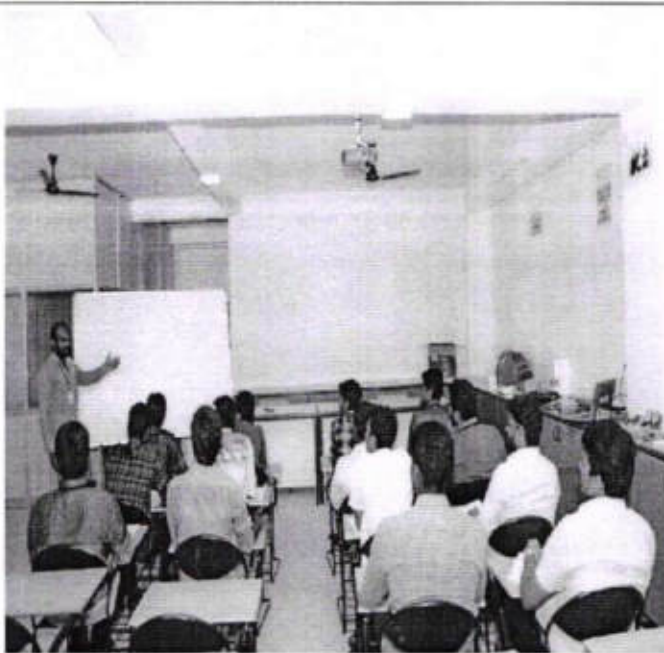


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

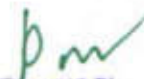
**REPORT OF THE EVENT (Module:3)**

<b>Date</b> :	07.08.2017 to 29.08.2017	<b>Resource person</b> :	<b>Mr.J.Ramesh, Mr.S.Rajesh &amp; Mr.S.Surendar</b> Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time</b> :	02,00 pm to 06.00 pm	<b>Title</b> :	<b>Ducting Design for all air HVAC system</b>
<b>Venue</b> :	A302,A303&A304, KIOT	<b>No. of Participants</b> :	92

1. The Recourse persons are explained to the participants about project estimation, static pressure calculation and pressure control mechanism.
2. They explained about industry drawings to the students.



**Encl: Circular / Brochure / Attendance Sheet**

  
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Beyond Knowledge

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International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

Circular No.	KIOT/MECH/IAPMO/2017-18/01	Date	31.07.2017
To	All Faculty & Final year students of Mechanical Engineering		
Sub	Ducting Design for all Air HVAC System - IAPMO – Certification Course:		

We have planned to conduct, HVAC Training on **Ducting Design for all Air HVAC System** from 07.08.2017 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).

Venue: A302, A303, A304.

Time: 05.00pm to 07.00pm

Encl: Name list of shortlisted students.

  
31/07/2017  
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Principal,  
Knowledge Institute of Technology,  
Akopalavaram (Po), Salem-637 504

From

S.Surendar,  
Assistant Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem.

**Through: Head of the Department, Department of Mechanical Engineering**

Respected Sir,

**Sub: Ducting Design for all Air HVAC System –regarding**

We have planned to conduct, HVAC Training on **Ducting Design for all Air HVAC System** from 07.08.2017 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place:Salem

Date:02.08.2017

Yours Faithfully



  
S.Surendar AP/Mech  
02/08/2017

forwarded to the Principal  
02/08/17



Principal,  
Knowledge Institute of Technology,  
Akopalayam (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY				
Department of Mechanical Engineering				
Course Plan (2018 Batch)				
A.Y:2017-18				Date:31.07.2017
Name of the COE		IAPMO-India – KIOT, Centre of Excellence		
Name of the Course		HVAC Design and Project Installation Engineer	Semester	07 & 08
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Ducting Design for all air HVAC system	Air terminal selection, Cold storage selection, Selection of Materials of Ducts, Primary and secondary pump selections Duct material selection, Selection of cooling tower Selection of Chillers, AHU and FCU classification and selection.	Mr.J.Ramesh, Mr.R.Isaac & Mr.S.Rajesh.	30	
Cost Estimation for a Specific Project	Calculate Plant Tonnage, Develop Vendor Short List, Obtain Chiller Bid, Adjust for Other First-Cost Impacts, Estimate Utility Costs, Estimate Maintenance Costs, Calculate Life-cycle Costs, Final Chiller Selection	Mr.R.Isaac Mr.J.Ramesh & Mr.S.Surendar.	30	
Total No.of Hours			60	

Detailed Execution Plan					
Name of the Course Module: 3.Ducting Design for all air HVAC system					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3.1	Orientation of Building	2	-	-	Day 1
3.2	Orientation of Building	1	-	1	Day 2
3.3	To Read Latitude & Location of building	2	-	-	Day 3
3.4	Difference for wall, glass, Roof and Partition	1	-	1	Day 4
3.5	Cooling and Heat Load Calculation	2	-	-	Day 5
3.6	Cooling and Heat Load Calculation	2	-	-	Day 6
3.7	Cooling and Heat Load Calculation	1	-	1	Day 7
3.8	Calculation of sensible Heat Factor	2	-	-	Day 8
3.9	Calculation of sensible Heat Factor	2	-	-	Day 9
3.10	ADP and Dehumidified CFM	2	-	-	Day 10




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3.11	ADP and Dehumidified CFM	1	-	1	Day 11
3.12	Chilled water system & Equipment Selection	2	-	-	Day 12
3.13	Chilled water system & Equipment Selection	1	-	1	Day 13
3.14	Study & Preparation of Floor Drawings Roof Drawings	2	-	-	Day 14
3.15	Study & Preparation of Floor Drawings Roof Drawings	1	-	1	Day 15

Detailed Execution Plan					
Name of the Course Module: 4. Cost Estimation for a Specific Project					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4.1	Calculate Plant Tonnage	2	-	-	Day 1
4.2	Calculate Plant Tonnage	2	-	-	Day 2
4.3	Calculate Plant Tonnage	1	-	1	Day 3
4.4	Develop Vendor Short List	2	-	-	Day 4
4.5	Develop Vendor Short List	2	-	-	Day 5
4.6	Obtain Chiller Bids	2	-	-	Day 6
4.7	Obtain Chiller Bids	1	-	1	Day 7
4.8	Adjust for Other First-Cost Impacts	2	-	-	Day 8
4.9	Adjust for Other First-Cost Impacts	1	-	1	Day 9
4.10	Estimate Utility Costs	2	-	-	Day 10
4.11	Estimate Utility Costs	2	-	-	Day 11
4.12	Estimate Maintenance Costs	2	-	-	Day 12
4.13	Estimate Maintenance Costs	1	-	1	Day 13
4.14	Final Chiller Selection	2	-	-	Day 14
4.15	Final Chiller Selection	1	-	1	Day 15

  
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Kanjivaram (Po), Salem-637 504



# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM-637504

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING


BATCH- 2014-18

## DUCTING DESIGN FOR ALL AIR HVAC SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / ODD / A

Date: 29.08.2017

S.NO	Reg.No	Name of the student	Year / Sem	07.08.2017	08.08.2017	09.08.2017	10.08.2017	11.08.2017	14.08.2017	16.08.2017	17.08.2017	18.08.2017	21.08.2017	22.08.2017	23.08.2017	24.08.2017	28.08.2017	29.08.2017
1.	611214114001	AJEETH L	IV / VII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
2.	611214114002	AJITH KUMAR J	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611214114005	ANAND S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
4.	611214114007	ARAVIND T	IV / VII	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
5.	611214114008	ARAVIND V	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611214114009	ARAVINTHKUMAR V	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611214114010	ARIVARASAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611214114012	ARUNACHALAM T	IV / VII	/	/	/	/	/	/	/	/	/	/	a	/	/	/	/
9.	611214114013	ARUNPRAKASH M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611214114014	ASHWIN K	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611214114015	ASRAR AHAMED N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	611214114016	AZURUDDIN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611214114018	BALAJI K	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	611214114020	BALAJI VIGNESH T	IV / VII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
15.	611214114023	BOOPATHY A	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/

  
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16.	611214114025	DEEPAN	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
17.	611214114026	DHARANIDHARAN V R	IV / VII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	
18.	611214114029	DINESH C	IV / VII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	
19.	611214114030	DINESH G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
20.	611214114032	DINESHKUMAR R	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
21.	611214114043	GOKULRAJ G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	a	/	/	
22.	611214114050	GOPI S	IV / VII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	
23.	611214114062	HARI PRAKASH N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
24.	611214114065	JAMBUKESHWARAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
25.	611214114066	JEEVA S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
26.	611214114068	JEEVANANTHAN C	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
27.	611214114069	KANNAN K.S	IV / VII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	
28.	611214114074	KARTHIK V	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	
29.	611214114075	KARTHIKEYAN P	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
30.	611214114080	KATHIRESAN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
No. of Students Present				30	29	29	30	29	29	28	29	29	30	29	30	29	28	29
No. of Students Absent				NIL	01	01	NIL	01	01	02	01	01	NIL	01	NIL	01	02	01
Faculty Signature				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/



FACULTY I/C



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Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 504



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# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM-637504

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2014-18

## DUCTING DESIGN FOR ALL AIR HVAC SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / ODD / B

Date: 29.08.2017

Sl.N	Reg.No	Name of the student	Year / Sem	07.08.2017	08.08.2017	09.08.2017	10.08.2017	11.08.2017	14.08.2017	16.08.2017	17.08.2017	18.08.2017	21.08.2017	22.08.2017	23.08.2017	24.08.2017	28.08.2017	29.08.2017
1.	611214114081	KATHIRESAN N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611214114084	KIRUBHA SANKAR B	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611214114085	KIRUPAKARAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611214114086	KRISHNA MURTHI J	IV / VII	/	/	a	/	/	/	/	/	/	/	/	a	/	/	/
5.	611214114090	LOGANATHAN A	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611214114091	LOGESH L.C	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611214114092	MALATHI S K	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611214114094	MANIKANDAN A	IV / VII	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/
9.	611214114098	MANIKANDAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611214114099	MANIMARAN A	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611214114100	MANIRATHINAM P	IV / VII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
12.	611214114104	MANOJ S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611214114105	MANOJ KUMAR R	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
14.	611214114107	MEIYAZHAGAN G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	611214114108	MITHUN PRASANTH R	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/



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16.	611214114112	MOHAN RAJ A	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611214114113	MOHAN RAJ N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611214114114	MOHIT S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114115	MOULEESWARAN S	IV / VII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
20.	611214114116	MURALI S	IV / VII	/	a	/	/	/	/	/	/	/	/	/	/	a	/	/
21.	611214114118	MUTHUSURESH S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611214114121	NATARAJAN M	IV / VII	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
23.	611214114122	NAVEEN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114126	NETHAJI D	IV / VII	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
25.	611214114127	NITHISH KUMAR S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114128	NIKIL S	IV / VII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
27.	611214114131	PASUPATHI S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114132	PRABHU N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114134	PRADEEP KUMAR S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
30.	611214114135	PRADHAP RAJ S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	611214114137	PRAKAASHINI S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
No. of Students Present				30	30	29	31	31	29	31	29	31	30	31	30	30	29	31
No. of Students Absent				01	01	02	NIL	NIL	02	NIL	02	NIL	01	NIL	01	01	02	NIL
Faculty Signature																		

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# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM-637504

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2014-18

## DUCTING DESIGN FOR ALL AIR HVAC SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / ODD / C

Date: 29.08.2017

Sl.N	Reg.No	Name of the student	Year / Sem	07.08.2017	08.08.2017	09.08.2017	10.08.2017	11.08.2017	14.08.2017	16.08.2017	17.08.2017	18.08.2017	21.08.2017	22.08.2017	23.08.2017	24.08.2017	28.08.2017	29.08.2017
1.	611214114138	PRAKASH J	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611214114139	PRASANTH A	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611214114140	PRAVEEN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
4.	611214114142	PREM KUMAR R	IV / VII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	611214114143	PREMNATH R	IV / VII	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
6.	611214114144	PRIYADARSHINI M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611214114147	RAGUL G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611214114150	RAJESH R	IV / VII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
9.	611214114157	SANJAAY S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611214114162	SARAVANAN K	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611214114301	AJAY B	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	611214114304	AYYAPPAN R	IV / VII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
13.	611214114305	BALAMANEKANDAN R	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	611214114306	BALAMURUGAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	a	/	/
15.	611214114308	BOOPATHI RAJAN V	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

  
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16.	611214114312	GOWTHAM N	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611214114313	GUNASEKARAN G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611214114316	KALEESHWARAN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
19.	611214114317	KARAN S	IV / VII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
20.	611214114319	KARTHIK KANNAN N.G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611214114320	KAVIN	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611214114322	MALARAVAN G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611214114323	MANIKANDAN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114324	MANOJKUMAR P	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611214114325	MEGANATHAN S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114328	NAVEEN KUMAR K K	IV / VII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611214114329	NESHARAJA M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114331	PARTHIBAN M	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114332	PRADEEP S	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114337	SAKTHIVEL T	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	611214114701	ABIRAMI G	IV / VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
No. of Students Present				31	29	31	31	29	31	31	30	30	29	31	31	30	30	30
No. of Students Absent				NIL	02	NIL	NIL	02	NIL	NIL	01	01	02	NIL	NIL	01	01	01
Faculty Signature																		

FACULTY I/C

HoD/MECH

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PRINCIPAL



KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Ducting Design for all air HVAC system				
Name of the Student	ARAVIND.T				
Register No	611214114007				
Date	31.08.2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded		FOUR ONE		
Faculty Signature	41				

ANSWER ALL THE QUESTIONS-(50X01=50)

- What is the symbol for impedance?  
a. R    b. I     Z    d. P
- The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_  
a. red     green    c. black    d. white
- Heat which causes a change in temperature of a substance is called:  
a. latent heat.    b. sensible heat.     superheat.    d. regular heat.
- What is heat, which causes a change in the state of a material without a change in temperature, called?  
 Latent heat    b. Sensible heat    c. Superheat    d. Regular heat
- What is a sling psychrometer used to measure?  
a. Latent heat    b. Super heat     Wet and dry bulb temperature    d. Barometric pressure
- A compressor is operating with a discharge pressure of 235.3 psig and a suction pressure of 35.3 psig. What is the compression ratio (pumping ratio)?  
a. 10:1    b. 8:1    c. 7:1     5:1
- In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:  
a. ensure proper oil return.    b. ensure that frost does not accumulate.  
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- An thermal expansion valve that is stuck wide open will cause \_\_\_\_\_.  
a. low suction pressure     a flooded evaporator  
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- What is the major difference between a heat pump and an air conditioner?  
a. Condenser    b. Thermostatic expansion valve  
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a. Auxiliary temperature control     Outdoor auxiliary thermostat  
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- Which of the following is not a factor that should be considered when installing an outdoor unit?  
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- One BTU is the amount of heat required to raise the temperature of:  
a. one pound of ice one-degree Fahrenheit.     one pound of water one-degree Fahrenheit.  
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a. 65 percent methane    b. 75 percent methane    c. 85 percent methane     95 percent methane
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a. Copper with a brass coating     Nickel with a cadmium coating  
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a. Bimetal switch     Crankcase heater    c. Transformer    d. Motor
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- c. The structure will develop low humidity levels in the cooling season and high humidity in the winter.
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- a. A rule that the total amount of energy stays constant in an isolated system over time.  
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23. The function of duct in air conditioning unit is:
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24. Process of changing solid into vapour state without passing through liquid state is:
- (a) super heating      (b) sublimation      (c) subcooling      (d) triple point
25. Amount of heat required to raise the temperature of one unit of substance through 1 degree is called:
- (a) C.H.U.      (b) B.T.U.      (c) Calorie      (d) Specific heat
26. The COP of a domestic air conditioning in comparison to domestic refrigerator will be:
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32. Liquid charged in thermostatic expansion valves sensing bulb is:
- (a) alcohol      (b) same refrigerant      (c) mercury      (d) nitrogen
33. The oil used with 134A refrigerant is:
- (a) mineral oil      (b) capilla d      (c) polyol ester oil      (d) lubricating oil
34. The difference between DBT and WBT is called:
- (a) wet bulb depression      (b) dew point depression  
(c) effective temperature      (d) adiabatic saturation temperature
35. A device which is used to find relative humidity:
- (a) pyrometer      (b) anemometer      (c) hydrometer      (d) hygrometer
36. Which type of valve is used in a reciprocating refrigeration compressor?
- (a) rotary valve      (b) poppet valve      (c) ring plate      (d) glob valve
37. The capacity of visible cooler is expressed in:
- (a) cubic feet      (b) litres      (c) k.cal/tr      (d) tons of refrigeration
38. Chemical name of Freon 22 is
- (a) dichloro difluoro methane      (b) monochloro difluoro methane

- (c) trichloro monofluoro methane      (d) dichloro monofluoro methane
39. Which of the following refrigerant has the lowest boiling point?  
 (a) carbon dioxide      (b) ammonia      (c) hydrogen      (d) freon 12
40. Auto defrost is operated by  
 (a) evaporator fan      (b) thermostat      (c) timer watch      (d) heating element
41. The absolute zero temperature corresponds on the condition when  
 (a) all the substances exit only as solids      (b) volume of a gas reduces to zero  
 (c) kinetic energy of gas molecules becomes zero      (d) no pressure is exerted by the gas
42. Sum of atmospheric pressure and gauge pressure is called  
 (a) total pressure      (b) absolute pressure      (c) normal pressure      (d) natural pressure
43. The effectiveness of the cooling tower is dependent on:  
 (a) dry bulb temperature of the air      (b) direction of the flow of air  
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 (a) 0.1 mm hg      (b) 0.01 mm hg      (c) 0.001 mm hg      (d) 0.0001 mm hg
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 (a) 1 kg of dry air      (b) 1 m<sup>3</sup> of dry air      (c) 1 m<sup>3</sup> of wet air      (d) 1 kg of wet air
48. In psychrometric chart, specific humidity lines are:  
 (a) vertical      (b) horizontal      (c) inclined      (d) curved lines
49. Accumulator is provided for  
 (a) storing of liquid refrigerant      (b) exchange of heat  
 (c) storing of unvaporized liquid      (d) condensing gas
50. Oil separator is fitted in between  
 (a) condenser and evaporator      (b) on the suction line  
 (c) compressor and condenser      (d) at the receiver outlet



FACULTY I/C



HOD/MECH



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**DEPARTMENT OF MECHANICAL ENGINEERING**

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Ducting Design for all air HVAC system				
Name of the Student	Dinesh C				
Register No	611214114029				
Date	31.08.2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	40		FOUR ZERO		

**ANSWER ALL THE QUESTIONS-(50X01=50)**

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HOD/MECH

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Ducting Design for all air HVAC system			
Name of the Student	PRABHU N			
Register No	61214114132			
Date	31/8/2017	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	39		THREE NINE	

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38. Chemical name of Freon 22 is
- (a) dichloro difluoro methane      (b) monochloro difluoro methane

- (c) trichloro monofluoro methane      (d) dichloro monofluoro methane
39. Which of the following refrigerant has the lowest boiling point?  
 (a) carbon dioxide    ~~(b)~~ ammonia    (c) hydrogen    (d) freon 12
40. Auto defrost is operated by  
~~(a)~~ evaporator fan    (b) thermostat    (c) timer watch    (d) heating element
41. The absolute zero temperature corresponds on the condition when  
 (a) all the substances exit only as solids    ~~(b)~~ volume of a gas reduces to zero  
 (c) kinetic energy of gas molecules becomes zero    (d) no pressure is exerted by the gas
42. Sum of atmospheric pressure and gauge pressure is called  
 (a) total pressure    ~~(b)~~ absolute pressure    (c) normal pressure    (d) natural pressure
43. The effectiveness of the cooling tower is dependent on:  
 (a) dry bulb temperature of the air    (b) direction of the flow of air  
~~(c)~~ wet bulb temperature of the air    (d) none of the above
44. One micron of vacuum is equal to  
 (a) 0.1 mm hg    (b) 0.01 mm hg    ~~(c)~~ 0.001 mm hg    (d) 0.0001 mm hg
45. In a flooded evaporator which of the following types of expansion device is employed?  
 (a) float valve    ~~(b)~~ capillary tube  
 (c) automatic expansion valve    (d) thermostatic expansion valve
46. In a thermal electric expansion valve which senses the suction temperature is  
 (a) transformer    ~~(b)~~ thermister    (c) thermostat    (d) rheostat
47. The specific humidity is the mass of water vapour present in  
 (a) 1 kg of dry air    (b) 1 m<sup>3</sup> of dry air    (c) 1 m<sup>3</sup> of wet air    ~~(d)~~ 1 kg of wet air
48. In psychrometric chart, specific humidity lines are:  
~~(a)~~ vertical    (b) horizontal    (c) inclined    (d) curved lines
49. Accumulator is provided for  
 (a) storing of liquid refrigerant    (b) exchange of heat  
~~(c)~~ storing of unvaporized liquid    (d) condensing gas
50. Oil separator if fitted in between  
 (a) condenser and evaporator    (b) on the suction line  
~~(c)~~ compressor and condenser    (d) at the receiver outlet



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Ducting Design for all air HVAC system			
Name of the Student	MANOJ.S			
Register No	61121411104			
Date	31/08/2017	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	40	FOUR ZERO		

**ANSWER ALL THE QUESTIONS-(50X01=50)**

1. What is the symbol for impedance?  
a. R    b. I     c. Z    d. P
2. The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_.  
a. red     b. green    c. black    d. white
3. Heat which causes a change in temperature of a substance is called:  
a. latent heat.     b. sensible heat.    c. superheat.    d. regular heat.
4. What is heat, which causes a change in the state of a material without a change in temperature, called?  
 a. Latent heat    b. Sensible heat    c. Superheat    d. Regular heat
5. What is a sling psychrometer used to measure?  
a. Latent heat     b. Super heat    c. Wet and dry bulb temperature    d. Barometric pressure
6. A compressor is operating with a discharge pressure of 235.3 psig and a suction pressure of 35.3 psig. What is the compression ratio (pumping ratio)?  
a. 10:1    b. 8:1    c. 7:1     d. 5:1
7. In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:  
a. ensure proper oil return.    b. ensure that frost does not accumulate.  
c. sub-cool the compressor.     d. operate at high efficiency.
8. An thermal expansion valve that is stuck wide open will cause \_\_\_\_\_.  
a. low suction pressure     b. a flooded evaporator  
c. excessive superheat    d. a starved evaporator
9. What is the major difference between a heat pump and an air conditioner?  
a. Condenser    b. Thermostatic expansion valve  
c. Evaporator     d. Reversing valve
10. What device controls the supplementary electric heat according to the outdoor temperature?  
 a. Auxiliary temperature control    b. Outdoor auxiliary thermostat  
c. Outdoor ambient thermostat    d. Indoor thermostat only
11. Which of the following is not a factor that should be considered when installing an outdoor unit?  
a. Return air    b. Wind factors     c. sound transmission    d. Snow fall
12. What is the minimum clearance for access panels on an outdoor condensing unit?  
a. 36 inches     b. 30 inches    c. 15 inches    d. 10 inches
13. One BTU is the amount of heat required to raise the temperature of:  
a. one pound of ice one-degree Fahrenheit.     b. one pound of water one-degree Fahrenheit.  
c. one gallon of water one-degree Fahrenheit.    d. one gallon of water eight degrees Fahrenheit.
14. what is the primary composition of natural gas?  
a. 65 percent methane    b. 75 percent methane    c. 85 percent methane     d. 95 percent methane
15. The electric heat element is usually made of what material?  
a. Copper with a brass coating    b. Nickel with a cadmium coating  
c. Nickel and steel     d. Nickel and chromium
16. Which of the following is an example of a resistive load?  
a. Bimetal switch     b. Crankcase heater    c. Transformer    d. Motor
17. An oversized heating and cooling system can cause which of the following?  
a. Operating cost and relative humidity in the structure will decrease significantly.    b. Moisture damage to a furnace heat exchanger and inadequate humidity removal during cooling cycles.

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- c. The structure will develop low humidity levels in the cooling season and high humidity in the winter.
- d. Equipment will last longer and require less energy to operate due to the shorter run time.
18. When the temperatures of a structure both inside and outside are equal, there is \_\_\_\_\_  
~~a. no heat transfer~~      b. latent heat transfer to the outside  
 c. thermal heat transfer of sensible heat      d. a lower rate of relative humidity
19. Polyolester (POE) oils stored in plastic containers will \_\_\_\_\_  
~~a. separate~~      b. become more alkaline  
 c. become acidic      d. absorb moisture through the plastic
20. R-407C has \_\_\_\_\_  
 a. a foul odor      b. to be charged in the vapor phase  
~~c. the ability to fractionate~~      d. no temperature glide
21. What is a carbon footprint?  
 a. The carbon deposits from burning gasoline.  
~~b. The amount of carbon dioxide that is produced to support your lifestyle.~~  
 c. The amount of carbon in the atmosphere produced by the world's lifestyle.  
 d. The amount of carbon in the stratosphere.
22. What is energy management?  
 a. A rule that the total amount of energy stays constant in an isolated system over time.  
 b. Recovering energy lost while using mechanical equipment.  
~~c. Reading the electric and fuel gas meters every month.~~  
 d. The monitoring and controlling of energy consuming devices.
23. The function of duct in air conditioning unit is:  
 (a) air cooling      (b) air cleaning      (c) air drying      ~~(d) air distribution~~
24. Process of changing solid into vapour state without passing through liquid state is:  
~~(a) super heating~~      (b) sublimation      (c) subcooling      (d) triple point
25. -Amount of heat required to raise the temperature of one unit of substance through 1 degree is called:  
 (a) C.H.U.      (b) B.T.U.      (c) Calorie      ~~(d) specific heat~~
26. The COP of a domestic air conditioning in comparison to domestic refrigerator will be:  
 (a) same      (b) less      (c) more      ~~(d) depends upon weather conditions~~
27. Solenoid valve is operated:  
~~(a) electrically~~      (b) by hand      (c) by gas pressure      (d) by oil pressure
28. Subcooling is a process of cooling the refrigerant in vapour compression refrigeration system before:  
 (a) evaporation      ~~(b) throttling~~      (c) condensation      (d) compression
29. Pump down the system for:  
 (a) more cooling effect      (b) to check compressor efficiency  
 (c) gas charging      ~~(d) to attend maintenance in low side~~
30. A thermostatic expansion valve function with  
~~(a) suction pressure~~      (b) discharge pressure  
 (c) discharge temperature      (d) suction temperature
31. The colour of the flame of halide torch in case of leakage of Freon refrigerant will change to:  
 (a) purple      (b) pink      ~~(c) bright green~~      (d) blue
32. Liquid charged in thermostatic expansion valves sensing bulb is:  
~~(a) alcohol~~      (b) same refrigerant      (c) mercury      (d) nitrogen
33. The oil used with 134A refrigerant is:  
 (a) mineral oil      ~~(b) capilla d~~      (c) polyol ester oil      (d) lubricating oil
34. 26-The difference between DBT and WBT is called:  
~~(a) wet bulb depression~~      (b) dew point depression  
 (c) effective temperature      (d) adiabatic saturation temperature
35. 27-A device which is used to find relative humidity:  
 (a) pyrometer      (b) anemometer      (c) hydrometer      ~~(d) hygrometer~~
36. Which type of valve is used in a reciprocating refrigeration compressor?  
 (a) rotary valve      ~~(b) poppet valve~~      (c) ring plate      (d) glob valve
37. The capacity of visible cooler is expressed in:  
 (a) cubic feet      ~~(b) litres~~      (c) k.cal/tr      (d) tons of refrigeration
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42. Sum of atmospheric pressure and gauge pressure is called  
 (a) total pressure (b) absolute pressure (c) normal pressure (d) natural pressure
43. The effectiveness of the cooling tower is dependent on:  
 (a) dry bulb temperature of the air (b) direction of the flow of air  
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44. One micron of vacuum is equal to  
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45. In a flooded evaporator which of the following types of expansion device is employed?  
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**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Ducting Design for all air HVAC system		
Name of the Student	GOWTHAM . N		
Register No	611214114312		
Date	31/08/2017	Duration	60 Minutes
Faculty Name	Marks Awarded	Max.Marks	50
Faculty Signature	46	FOUR SIX	

**ANSWER ALL THE QUESTIONS-(50X01=50)**

- What is the symbol for impedance?  
a. R    b. I     Z    d. P
- The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_.  
a. red     green    c. black    d. white
- Heat which causes a change in temperature of a substance is called:  
a. latent heat.    b. sensible heat.     superheat.    d. regular heat.
- What is heat, which causes a change in the state of a material without a change in temperature, called?  
 Latent heat    b. Sensible heat    c. Superheat    d. Regular heat
- What is a sling psychrometer used to measure?  
a. Latent heat    b. Super heat     Wet and dry bulb temperature    d. Barometric pressure
- A compressor is operating with a discharge pressure of 235.3 psig and a suction pressure of 35.3 psig. What is the compression ratio (pumping ratio)?  
a. 10:1    b. 8:1    c. 7:1     5:1
- In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:  
a. ensure proper oil return.    b. ensure that frost does not accumulate.  
c. sub-cool the compressor.     operate at high efficiency.
- An thermal expansion valve that is stuck wide open will cause \_\_\_\_\_.  
a. low suction pressure    b. a flooded evaporator  
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- What is the major difference between a heat pump and an air conditioner?  
a. Condenser    b. Thermostatic expansion valve  
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- What device controls the supplementary electric heat according to the outdoor temperature?  
a. Auxiliary temperature control     Outdoor auxiliary thermostat  
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- Which of the following is not a factor that should be considered when installing an outdoor unit?  
 Return air    b. Wind factors    c. Sound transmission    d. Snow fall
- What is the minimum clearance for access panels on an outdoor condensing unit?  
a. 36 inches     30 inches    c. 15 inches    d. 10 inches
- One BTU is the amount of heat required to raise the temperature of:  
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c. one gallon of water one-degree Fahrenheit.    d. one gallon of water eight degrees Fahrenheit.
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a. Bimetal switch     Crankcase heater    c. Transformer    d. Motor
- An oversized heating and cooling system can cause which of the following?  
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- c. The structure will develop low humidity levels in the cooling season and high humidity in the winter.
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*Pm*

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 (c) compressor and condenser (d) at the receiver outlet



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- A (2014-2018) AY: 2017-18**  
**Ducting Design for all Air HVAC System – Mark Statement**

Max.Marks: 50  
Date: 04.09.2017

Year/Sem:IV/VII

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114001	AJEETH.L	42	PASS
2.	611214114002	AJITH KUMAR.J	37	PASS
3.	611214114005	ANAND.S	26	PASS
4.	611214114007	ARAVIND T	41	PASS
5.	611214114008	ARAVIND V	35	PASS
6.	611214114009	ARAVINTHKUMAR V	33	PASS
7.	611214114010	ARIVARASAN S	46	PASS
8.	611214114012	ARUNACHALAM T	47	PASS
9.	611214114013	ARUNPRAKASH M	32	PASS
10.	611214114014	ASHWIN.K	28	PASS
11.	611214114015	ASRAR AHAMED N	30	PASS
12.	611214114016	AZURUDDIN.S	35	PASS
13.	611214114018	BALAJLK	31	PASS
14.	611214114020	BALAJI VIGNESH T	33	PASS
15.	611214114023	BOOPATHY.A	36	PASS
16.	611214114025	DEEPAN CHAKRAVARTHY.P	38	PASS
17.	611214114026	DHARANIDHARAN V R	41	PASS
18.	611214114029	DINESH.C	40	PASS
19.	611214114030	DINESH.G	35	PASS
20.	611214114032	DINESHKUMAR.R	38	PASS
21.	611214114043	GOKULRAJ.G	29	PASS
22.	611214114050	GOPLS	28	PASS
23.	611214114062	HARI PRAKASH N	27	PASS
24.	611214114065	JAMBUKESHWARAN S	32	PASS
25.	611214114066	JEEVA S	30	PASS
26.	611214114068	JEEVANANTHAN C	35	PASS
27.	611214114069	KANNAN.K.S	45	PASS
28.	611214114074	KARTHIK V	40	PASS
29.	611214114075	KARTHIKEYAN P	36	PASS
30.	611214114080	KATHIRESAN.M	38	PASS

Note: Minimum 25 marks will be considered as pass mark for this certification course.

  
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- B (2014-2018) AY: 2017-18**  
**Ducting Design for all Air HVAC System – Mark Statement**


Max.Marks: 50  
Date: 04.09.2017

Year/Sem:IV/VII

Sl. No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114080	KATHIRESAN.N	38	PASS
2.	611214114084	KIRUBHA SANKAR.B	27	PASS
3.	611214114085	KIRUPAKARAN.S	34	PASS
4.	611214114086	KRISHNA MURTHI.J	31	PASS
5.	611214114090	LOGANATHAN A	29	PASS
6.	611214114091	LOGESH.L.C	32	PASS
7.	611214114092	MALATHI S K	27	PASS
8.	611214114094	MANIKANDAN.A	32	PASS
9.	611214114098	MANIKANDAN S	30	PASS
10.	611214114099	MANIMARAN A	35	PASS
11.	611214114100	MANIRATHINAM P	45	PASS
12.	611214114104	MANOJ.S	40	PASS
13.	611214114105	MANOJ KUMAR R	36	PASS
14.	611214114107	MEIYAZHAGAN.G	27	PASS
15.	611214114108	MITHUN PRASANTH R	32	PASS
16.	611214114112	MOHAN RAJA	30	PASS
17.	611214114113	MOHAN RAJ N	35	PASS
18.	611214114114	MOHIT.S	28	PASS
19.	611214114115	MOULEESWARAN.S	27	PASS
20.	611214114116	MURALI S	32	PASS
21.	611214114118	MUTHUSURESH S	30	PASS
22.	611214114121	NATARAJAN M	35	PASS
23.	611214114122	NAVEEN M	45	PASS
24.	611214114126	NETHAJLD	41	PASS
25.	611214114127	NITHISH KUMAR.S	40	PASS
26.	611214114128	NIKIL S	28	PASS
27.	611214114131	PASUPATHI. S	38	PASS
28.	611214114132	PRABHU.N	39	PASS
29.	611214114134	PRADEEP KUMAR.S	33	PASS
30.	611214114135	PRADHAP RAJ S	31	PASS
31.	611214114137	PRAKAASHINI S	28	PASS

Note: Minimum 25 marks will be considered as pass mark for this certification course.

  
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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- C (2014-2018) AY: 2017-18**  
**Ducting Design for all Air HVAC System – Mark Statement**


Max.Marks: 50  
Date: 04.09.2017

Year/Sem:IV/VII

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114138	PRAKASH.J	35	PASS
2.	611214114139	PRASANTH.A	31	PASS
3.	611214114140	PRAVEEN M	34	PASS
4.	611214114142	PREM KUMAR R	26	PASS
5.	611214114143	PREMNATH R	28	PASS
6.	611214114144	PRIYADARSHINI.M	38	PASS
7.	611214114147	RAGUL.G	39	PASS
8.	611214114150	RAJESH R	33	PASS
9.	611214114157	SANJAAY S	31	PASS
10.	611214114162	SARAVANAN K	42	PASS
11.	611214114301	AJAY.B	34	PASS
12.	611214114304	AYYAPPAN R	35	PASS
13.	611214114305	BALAMANEKANDAN R	39	PASS
14.	611214114306	BALAMURUGAN S	43	PASS
15.	611214114308	BOOPATHI RAJAN.V	41	PASS
16.	611214114312	GOWTHAM .N	46	PASS
17.	611214114313	GUNASEKARAN.G	28	PASS
18.	611214114316	KALEESHWARAN M	27	PASS
19.	611214114317	KARAN S	29	PASS
20.	611214114319	KARTHIK KANNAN.N.G	27	PASS
21.	611214114320	KAVIN VENKATACHALAM	26	PASS
22.	611214114322	MALARAVAN G	31	PASS
23.	611214114323	MANIKANDAN M	41	PASS
24.	611214114324	MANOJKUMAR P	33	PASS
25.	611214114325	MEGANATHAN S	26	PASS
26.	611214114328	NAVEEN KUMAR K K	36	PASS
27.	611214114329	NESHARAJA M	40	PASS
28.	611214114331	PARTHIBAN.M	37	PASS
29.	611214114332	PRADEEP S	26	PASS
30.	611214114337	SAKTHIVEL T	31	PASS
31.	611214114701	ABIRAMI.G	38	PASS

Note: Minimum 25 marks will be considered as pass mark for this certification course.

  
FACULTY/C

  
HOD/MECH

  
PRINCIPAL



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IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**AJITH KUMAR J (611215114002)**

In recognition of successful completion of

***“Ducting Design for all Air HVAC System”***

Conducted by “IIK-Center” from 07.08.2017 to 29.08.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

Principal,  
Knowledge Institute of Technology  
Kanalavam (Po), Salem-637 504

**Principal**





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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**DINESH C (611214114029)**

In recognition of successful completion of

***“Ducting Design for all Air HVAC System”***

Conducted by “IIC-Center” from 07.08.2017 to 29.08.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

**Principal,**  
Knowledge Institute of Technology  
Akkojalavam (Po), Salem-637 504

**Principal**



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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to  
**PRAKASH J (611214114138)**

In recognition of successful completion of  
***“Ducting Design for all Air HVAC System”***

Conducted by “IIK-Center” from 07.08.2017 to 29.08.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

Principal,

Knowledge Institute of Technology,  
Pakhalavam (Po), Salem-637 504

**Principal**





IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## *Certificate of Completion*

This certificate is awarded to

**MANOJKUMAR P (611214114324)**

In recognition of successful completion of

*“Ducting Design for all Air HVAC System”*

Conducted by “IIK-Center” from 07.08.2017 to 29.08.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
HOD/Mech

  
Principal,  
Knowledge Institute of Technology  
Akapalavaram (Po), Salem-637 504

  
Principal



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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to


**MANIKANDAN M (611214114323)**

In recognition of successful completion of

***“Ducting Design for all Air HVAC System”***

Conducted by “IIC-Center” from 07.08.2017 to 29.08.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
**HOD/Mech**

  
Principal,  
Knowledge Institute of Technology  
Kakkaalavam (Po), Salem-637 504

  
**Principal**





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 29.08.2017


		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty		✓			
3	About Practical Session			✓		
4	About Industries Practice				✓	
5	Knowledge Beyond the syllabus		✓			
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

\* Improve Laboratory facilities

**Student Signature:**

T. Aravind [ARAVIND.T]

  
Principal,  
Knowledge Institute of Technology  
Akaalavam (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 29.08.2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session		✓			
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus				✓	
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

i) Need more industrial visit for improving practical skills.

**Student Signature:**

Dinash.C (Dinash.C)

Principal,  
Knowledge Institute of Technology,  
Akaoalavam (Po), Salem-637 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 29/8/17

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session				✓	
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus		✓			
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

is need more industrial visit

**Student Signature:**

N. Prabh (Prabhu)

  
Principal,

Knowledge Institute of Technology,  
Akalavaram (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 29/08/2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty		✓			
3	About Practical Session			✓		
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

more industrial visit need

**Student Signature:**

S. Manoj

P. M.  
Principal,

Knowledge Institute of Technology  
Akasaiyam (Po), Salem-637 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**REPORT OF THE EVENT (Module:1)**

<b>Date</b> :	01.09.2017 to 21.09.2017	<b>Resource person</b> :	<b>Mr.S.Surendar</b> Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time &amp; Duration</b> :	10.00 pm to 06.00 pm & 30 Hours	<b>Title</b> :	<b>Design of Practical HVAC System</b>
<b>Venue</b> :	A 310, KIOT	<b>No. of Participants</b> :	43

1. He discussed about Fundamental and scope of HVAC system.
2. He explained about Psychometric process, Classification of Air-Conditioning System.
3. Also he explained about Component of A/C, Sub systems in AC.



**Encl: Circular / Brochure / Attendance Sheet**

*Pm*  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



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SALEM-637 504



International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

<b>Circular No.</b>	KIOT/MECH/IAPMO/2017-18/03	<b>Date</b>	30.08.2017
<b>To</b>	All Faculty & Third year students of Mechanical Engineering		
<b>Sub</b>	Design of Practical HVAC System - IAPMO – Certification Course:		

We have planned to conduct, HVAC Training on **Design of Practical HVAC System** from 01.09.2017 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).

Venue: A310


Time: 05.00pm to 07.00pm

**Encl:** Name list of shortlisted students.

  
30/08/2017  
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Principal,  
Knowledge Institute of Technology,  
Akopalayam (Po), Salem-637 504



From

S.Surendar,  
Assistant Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem. .

Permitted  
S

**Through: Head of the Department, Department of Mechanical Engineering**

Respected Sir,

**Sub: Design of Practical HVAC System –regarding**

We have planned to conduct, HVAC Training on **Design of Practical HVAC System** from 01.09.2017 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place: Salem

Date: 30.08.2017

*(Hoolmeen)*

Yours Faithfully

*S.Surendar*  
30/08/2017  
S.Surendar AP/Mech

*Pm*  
Principal,  
Knowledge Institute of Technology,  
Chakrapalavam (Po), Salem-637 504

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- (2015-2019) AY: 2017-18**  
**NAME LIST**


Year/Sem: III / V

Date:30.08.2017


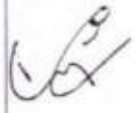
S.No.	Register Number	Student Name	Remarks
1.	611215114001	ABISHEK HUSSAIN J	
2.	611215114002	ABISHIEK B	
3.	611215114003	ADITHYA R	
4.	611215114004	ADITYA R	
5.	611215114011	ARULBALAJI S	
6.	611215114013	ARUNACHALAM K	
7.	611215114014	ARUNKUMAR P	
8.	611215114016	ASIK RAM K P	
9.	611215114027	CHANDRAPRAKASH K	
10.	611215114039	DINESH.P	
11.	611215114046	GOKUL S	
12.	611215114048	GOKULRAJ S	
13.	611215114050	GOPIKANNAN R	
14.	611215114051	GOVINDARAJ S	
15.	611215114079	KARTHIKEYAN M	
16.	611215114083	KAVIN T	
17.	611215114089	KESAVANATHAN B	
18.	611215114091	KIRUBA S	
19.	611215114092	KISHORE K	
20.	611215114093	LINGESH K	
21.	611215114094	LOGANADHAN R	
22.	611215114095	LOGESH J	
23.	611215114096	LOGESH M	
24.	611215114097	LOGESHWARAN S	
25.	611215114098	MADHANKUMAR C	
26.	611215114099	MADHAVANATH J M	
27.	611215114103	MANIKANDAN S	
28.	611215114104	MANISHKUMAR K	
29.	611215114105	MANO K	
30.	611215114108	MANOJ KUMAR S	
31.	611215114116	MOHAN A K	
32.	611215114119	MOHANKUMAR R	
33.	611215114121	MOHAN KUMAR A P	
34.	611215114123	MUGUNTHA ADITYA R	
35.	611215114124	MURALI R	
36.	611215114128	MUTHUKUMAR S	
37.	611215114136	NIRMAL S	
38.	611215114146	POTHIGAI SELVAN M	
39.	611215114192	SATHISH KUMAR C	
40.	611215114206	SRIRAM N	
41.	611215114218	TAMILSELVAN S	
42.	611215114244	WINSLETVASANTHRAAJ T S	
43.	611215114341	VENKATESHWARAN M	

  
**FACULTY I/C**

  
**HOD/MECH**

  
**PRINCIPAL** Principal,  
 Knowledge Institute of Technology,  
 Akapalavam (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY				
Department of Mechanical Engineering				
Course Plan (2020 Batch)				
A.Y: 2018-19				Date: 31.08.2017
Name of the COE:		IAPMO-India – KIOT, Centre of Excellence		
Name of the Course:		HVAC Design and Project Installation Engineer	Semester	05 & 06
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Design of Practical HVAC System	Fundamental and scope of HVAC, Mode of heat transfer, Standards, Refrigeration cycle, Component of A/C, Refrigerants and types, Study of AC system, Study of Psychrometric, Classification of Air-Conditioning System & Sub systems in AC.	Mr.S.Surendar & Mr.S.M.Gowtham	30	
Components sizing and selection for chilled water type HVAC system	Orientation of Building, To Read Latitude & Location of building, Difference for wall, glass, Roof and Partition, Cooling and Heat Load Calculation, Calculation of sensible Heat Factor ADP and Dehumidified CFM, Cooling Load Calculation, Chilled water system & Equipment Selection	Mr.S.Rajesh & Mr.J.Ramesh	30	
Total No.of Hours			<b>60</b>	

Detailed Execution Plan					
Name of the Course Module: 1. Design of Practical HVAC System					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1.1	Fundamental and scope of HVAC	2	-	-	Day 1
1.2	Mode of heat transfer	2	-	-	Day 2
1.3	Mode of heat transfer	1	-	1	Day 3
1.4	Refrigeration cycle	2	-	-	Day 4
1.5	Refrigeration cycle	1	-	1	Day 5
1.6	Component of A/C	2	-	-	Day 6
1.7	Refrigerants and types	2	-	-	Day 7

  
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Knowledge Institute of Technology,  
Kakopalavam (Po), Salem-637 504

1.8	Study of AC system	2	-	-	Day 8
1.9	Study of Psychrometric	2	-	-	Day 9
1.10	Study of Psychrometric	2	-	-	Day 10
1.11	Study of Psychrometric	1	-	1	Day 11
1.12	Classification of Air-Conditioning System	2	-	-	Day 12
1.13	Classification of Air-Conditioning System	2	-	-	Day 13
1.14	Classification of Air-Conditioning System	2	-	-	Day 14
1.15	Sub systems in AC	2	-	-	Day 15

Detailed Execution Plan					
Name of the Course Module: 2. Components sizing and selection for chilled water type HVAC system					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2.1	Air terminal selection	2	-	-	Day 1
2.2	Air terminal selection	1	-	1	Day 2
2.3	Cold storage selection	2	-	-	Day 3
2.4	Cold storage selection	1	-	1	Day 4
2.5	Selection of Materials of Ducts	2	-	-	Day 5
2.6	Selection of Materials of Ducts	1	-	1	Day 6
2.7	Primary and secondary pump selections	2	-	-	Day 7
2.8	Selection of cooling tower	2	-	-	Day 8
2.9	Selection of cooling tower	1	-	1	Day 9
2.10	Selection of Chillers	2	-	-	Day 10
2.11	Selection of Chillers	1	-	1	Day 11
2.12	AHU and FCU classification and selection	2	-	-	Day 12
2.13	Selection of Fan/Blower RPM	2	-	-	Day 13
2.14	Chilled water system & Equipment Selection	2	-	-	Day 14
2.15	Selection of Motor HP	2	-	-	Day 15



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALFORD-637504**  
 DEPARTMENT OF MECHANICAL ENGINEERING  
 CENTER FOR HEATING VENTILATION AND AIR CONDITIONING  
 BATCH-2015-19 / **Design of Practical HVAC System** / Academic Year/ SEM: 2017-18 / ODD

Date: 21.09.2017

S.No	Reg.No	Name of the student	Year / Sem	01.09.2017	04.09.2017	05.09.2017	06.09.2017	07.09.2017	08.09.2017	11.09.2017	12.09.2017	13.09.2017	14.09.2017	15.09.2017	18.09.2017	19.09.2017	20.09.2017	21.09.2017
1.	611215114001	ABISHEK HUSSAIN J	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611215114002	ABISHIEK B	III / V	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611215114003	ADITHYA R	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611215114004	ADITYA R	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
5.	611215114011	ARULBALAJI S	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611215114013	ARUNACHALAM K	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611215114014	ARUNKUMAR P	III / V	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
8.	611215114016	ASIK RAM K P	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	611215114027	CHANDRAPRAKASH K	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611215114039	DINESH P	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611215114046	GOKUL S	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	611215114048	GOKULRAJ S	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611215114050	GOPIKANNAN R	III / V	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
14.	611215114051	GOVINDARAJ S	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	611215114079	KARTHIKEYAN M	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611215114083	KAVIN T	III / V	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
17.	611215114089	KESAVANATHAN B	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611215114091	KIRUBA S	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611215114092	KISHORE K	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611215114093	LINGESH K	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611215114094	LOGANADHAN R	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611215114095	LOGESH J	III / V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/





KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Design of Practical HVAC System				
Name of the Student	Arun Kumar . P				
Register No	611215114014				
Date	26/9/2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	41		FOUR ONE		

ANSWER ALL THE QUESTIONS-(50X01=50)

- Freon group of refrigerants are  
(A) Inflammable ~~(B) Toxic~~ (C) Non-inflammable and toxic (D) Nontoxic and non-inflammable
- The boiling point of ammonia is  
(A) -10.5°C ~~(B) -30°C~~ (C) -33.3°C (D) -77.7°C
- For obtaining high COP, the pressure range of compressor should be  
(A) High (B) Low (C) Optimum ~~(D) Any value~~
- A reversible engine has ideal thermal efficiency of 30%. When it is used as a refrigerating machine with all other conditions unchanged, the coefficient of performance will be  
(A) 1.33 (B) 2.33 ~~(C) 3.33~~ (D) 4.33
- Cooling water is required for following equipment in ammonia absorption plant  
(A) Condenser ~~(B) Evaporator~~ (C) Absorber (D) Condenser, absorber and separator (rectifier)
- The freezing point of sulphur dioxide is  
(A) -56.6°C (B) -75.2°C (C) -77.7°C ~~(D) -135.8°C~~
- Mass flow ratio of NH<sub>3</sub> in comparison to Freon-12 for same refrigeration load and same temperature limits is of the order of  
(A) 1:1 ~~(B) 1:9~~ (C) 9:1 (D) 1:3
- In a refrigeration system, the expansion device is connected between the  
(A) Compressor and condenser ~~(B) Condenser and receiver~~ (C) Receiver and evaporator  
(D) Evaporator and compressor
- The vapour compression refrigerator employs the following cycle  
~~(A) Rankine~~ (B) Carnot (C) Reversed Rankine (D) Reversed Carnot
- In actual air-conditioning applications for R-12 and R-22, and operating at a condenser temperature of 40° C and an evaporator temperature of 5° C, the heat rejection factor is about  
(A) 1 (B) 1.25 ~~(C) 2.15~~ (D) 5.12
- Rating of a domestic refrigerator is of the order of  
~~(A) 0.1 ton~~ (B) 5 tons (C) 10 tons (D) 40 tons
- A human body feels comfortable when the heat produced by the metabolism of human body is equal to the  
(A) Heat dissipated to the surroundings (B) Heat stored in the human body  
~~(C) Sum of (A) and (B)~~ (D) Difference of (A) and (B)
- The bank of tubes at the back of domestic refrigerator is  
(A) Condenser tubes ~~(B) Evaporator tubes~~ ~~(C) Refrigerant cooling tubes~~ (D) Capillary tubes
- In a lithium bromide absorption refrigeration system  
(A) Lithium bromide is used as a refrigerant and water as an absorbent  
~~(B) Water is used as a refrigerant and lithium bromide as an absorbent~~  
(C) Ammonia is used as a refrigerant and lithium bromide as an absorbent  
(D) None of the above
- The condition of refrigerant after passing through the condenser in a vapour compression system is  
(A) Saturated liquid (B) Wet vapour ~~(C) Dry saturated vapour~~ (D) Superheated vapour
- Unit of thermal conductivity in M.K.S. units is  
(A) K cal/kg m<sup>2</sup> °C (B) K cal m/hr m<sup>2</sup> °C (C) K cal/hr m<sup>2</sup> °C ~~(D) K calm/hr °C~~
- Thermal diffusivity is a



- (A) Function of temperature (B) Physical property of a substance  
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30. Sensible heat is the heat required to  
~~(A) Change vapour into liquid~~ (B) Change liquid into vapour  
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32. Which of the following is a law of thermodynamics?  
 (A) Heat is a form of matter.  
~~(B) Heat moves toward a place with higher intensity.~~  
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(D) Heat moves toward a place with a higher temperature.

33. If 1 pound of water warms to 60 degrees F from 55 degrees F, what btu of latent heat will it have absorbed?

- (A) 2.5 ~~(B) 5~~ (C) 10 (D) 15

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- (A) 370 btu ~~(B) 570 btu~~ (C) 770 btu (D) 970 btu

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- (A) The refrigerant absorbs the latent heat. ~~(B) The refrigerant releases the latent heat.~~  
(C) Latent heat is pressurized. (D) Latent heat is increased.

36. In Fahrenheit, the boiling point of water is \_\_\_\_\_.

- (A) 100 degrees (B) 112 degrees ~~(C) 212 degrees~~ (D) 221 degrees

37. Ice exerts pressure \_\_\_\_\_.

- (A) Upwards (B) Laterally ~~(C) Downwards~~ (D) In all directions

38. Pressure is usually measured in \_\_\_\_\_.

- (A) Pounds per square foot (B) Pressure per square foot  
~~(C) Pounds per square inch~~ (D) Pressure per square inch

39. Vaporization can be increased by \_\_\_\_\_ the pressure on a liquid.

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40. Pressure on the high pressure side of a mechanical refrigeration unit is called \_\_\_\_\_.

- (A) Suction pressure ~~(B) Discharge or head pressure~~  
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- (A) It is not affected by the moisture present in the air  
~~(B) Its bulb is surrounded by a wet cloth exposed to the air~~  
(C) The moisture present in it begins to condense (D) None of the above

42. In refrigerators, the temperature difference between the evaporating refrigerant and the medium being cooled should be

- ~~(A) High, of the order of 25°~~ (B) As low as possible (3 to 11°C) (C) Zero (D) Any value

43. The evaporator changes the low pressure liquid refrigerant from the expansion valve into

- (A) High pressure liquid refrigerant (B) Low pressure liquid and vapour refrigerant  
(C) Low pressure vapour refrigerant (D) None of these

44. Choose the correct statement

- (A) A refrigerant should have low latent heat  
~~(B) If operating temperature of system is low, then refrigerant with low boiling point should be used~~  
(C) Pre-cooling and sub-cooling of refrigerant are same  
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- (A) Lowers evaporation temperature (B) Increases power required per ton of refrigeration  
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47. The coefficient of performance of a domestic refrigerator is \_\_\_\_\_ as compared to a domestic air-conditioner.

- (A) Same (B) Less (C) More ~~(D) None of these~~

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- (A) Increased to a value above its critical temperature  
~~(B) Reduced to a value below its critical temperature~~  
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49. The capacity of a domestic refrigerator is in the range of

- ~~(A) 0.1 to 0.3 TR~~ (B) 1 to 3 TR (C) 3 to 5 TR (D) 5 to 7 TR

50. The lowest thermal diffusivity is of

- (A) Iron (B) Lead (C) Aluminium ~~(D) Rubber~~

  
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KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Design of Practical HVAC System				
Name of the Student	GOPIKANNAN . R				
Register No	611215114050				
Date	26/09/2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	43		FOUR THREE		

ANSWER ALL THE QUESTIONS-(50X01=50)

- Freon group of refrigerants are  
(A) Inflammable (B) Toxic (C) Non-inflammable and toxic (D) Nontoxic and non-inflammable
- The boiling point of ammonia is  
(A) -10.5°C (B) -30°C (C) -33.3°C (D) -77.7°C
- For obtaining high COP, the pressure range of compressor should be  
(A) High (B) Low (C) Optimum (D) Any value
- A reversible engine has ideal thermal efficiency of 30%. When it is used as a refrigerating machine with all other conditions unchanged, the coefficient of performance will be  
(A) 1.33 (B) 2.33 (C) 3.33 (D) 4.33
- Cooling water is required for following equipment in ammonia absorption plant  
(A) Condenser (B) Evaporator (C) Absorber (D) Condenser, absorber and separator (rectifier)
- The freezing point of sulphur dioxide is  
(A) -56.6°C (B) -75.2°C (C) -77.7°C (D) -135.8°C
- Mass flow ratio of NH<sub>3</sub> in comparison to Freon-12 for same refrigeration load and same temperature limits is of the order of  
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- In a refrigeration system, the expansion device is connected between the  
(A) Compressor and condenser (B) Condenser and receiver (C) Receiver and evaporator (D) Evaporator and compressor
- The vapour compression refrigerator employs the following cycle  
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- In actual air-conditioning applications for R-12 and R-22, and operating at a condenser temperature of 40°C and an evaporator temperature of 5°C, the heat rejection factor is about  
(A) 1 (B) 1.25 (C) 2.15 (D) 5.12
- Rating of a domestic refrigerator is of the order of  
(A) 0.1 ton (B) 5 tons (C) 10 tons (D) 40 tons
- A human body feels comfortable when the heat produced by the metabolism of human body is equal to the  
(A) Heat dissipated to the surroundings (B) Heat stored in the human body (C) Sum of (A) and (B) (D) Difference of (A) and (B)
- The bank of tubes at the back of domestic refrigerator is  
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(B) Water is used as a refrigerant and lithium bromide as an absorbent  
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- The condition of refrigerant after passing through the condenser in a vapour compression system is  
(A) Saturated liquid (B) Wet vapour (C) Dry saturated vapour (D) Superheated vapour
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KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Design of Practical HVAC System				
Name of the Student	Kiruba S				
Register No	611215114091				
Date	26.9.2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	40		FOUR ZERO		

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*Pm*



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FACULTY I/C

  
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Takaalavam (Po), Salem-637 604

  
HOD/MECH

KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Design of Practical HVAC System				
Name of the Student	MANIKANDAN S				
Register No	611215114103				
Date	26.09.2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	45		FOUR FIVE		

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Subject Name	Design of Practical HVAC System				
Name of the Student	MURALI . R.				
Register No	611215114124				
Date	26/9/2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	41		FOUR ONE		

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44. Choose the correct statement  
 (A) A refrigerant should have low latent heat  
 (B) If operating temperature of system is low, then refrigerant with low boiling point should be used  
 (C) Pre-cooling and sub-cooling of refrigerant are same  
~~(D) Superheat and sensible heat of a refrigerant are same~~
45. Carbon dioxide is  
 (A) Colourless ~~(B) Odourless~~ (C) Non-flammable (D) All of these
46. Reducing suction pressure in refrigeration cycle  
 (A) Lowers evaporation temperature (B) Increases power required per ton of refrigeration  
 (C) Lowers compressor capacity because vapour is lighter ~~(D) All of the above~~
47. The coefficient of performance of a domestic refrigerator is \_\_\_\_\_ as compared to a domestic air-conditioner.  
 (A) Same ~~(B) Less~~ (C) More (D) None of these
48. If a gas is to be liquefied, its temperature must be  
 (A) Increased to a value above its critical temperature  
 (B) Reduced to a value below its critical temperature  
~~(C) Equal to critical temperature~~ (D) none of the above
49. The capacity of a domestic refrigerator is in the range of  
~~(A) 0.1 to 0.3 TR~~ (B) 1 to 3 TR (C) 3 to 5 TR (D) 5 to 7 TR
50. The lowest thermal diffusivity is of  
 (A) Iron (B) Lead (C) Aluminium ~~(D) Rubber~~



FACULTY I/C



Principal,  
 Knowledge Institute of Technology,  
 Akaoalavam (Po), Salem-637 504




HOD/MECH


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504****DEPARTMENT OF MECHANICAL ENGINEERING****CENTER FOR HEATING VENTILATION AND AIR CONDITIONING****BATCH- (2015-2019) AY: 2017-18****Design of Practical HVAC System – Mark Statement****Max.Marks: 50****Year/Sem: III / V****Date:28.09.2017**

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611215114001	ABISHEK HUSSAIN J	30	PASS
2.	611215114002	ABISHIEK B	35	PASS
3.	611215114003	ADITHYA R	30	PASS
4.	611215114004	ADITYA R	33	PASS
5.	611215114011	ARULBALAJI S	36	PASS
6.	611215114013	ARUNACHALAM K	37	PASS
7.	611215114014	ARUNKUMAR P	41	PASS
8.	611215114016	ASIK RAM K P	28	PASS
9.	611215114027	CHANDRAPRAKASH K	27	PASS
10.	611215114039	DINESH.P	32	PASS
11.	611215114046	GOKUL S	31	PASS
12.	611215114048	GOKULRAJ S	35	PASS
13.	611215114050	GOPIKANNAN R	43	PASS
14.	611215114051	GOVINDARAJ S	40	PASS
15.	611215114079	KARTHIKEYAN M	36	PASS
16.	611215114083	KAVIN T	37	PASS
17.	611215114089	KESAVANATHAN B	41	PASS
18.	611215114091	KIRUBA S	40	PASS
19.	611215114092	KISHORE K	35	PASS
20.	611215114093	LINGESH K	38	PASS
21.	611215114094	LOGANADHAN R	29	PASS
22.	611215114095	LOGESH J	28	PASS
23.	611215114096	LOGESH M	27	PASS
24.	611215114097	LOGESHWARAN S	32	PASS
25.	611215114098	MADHANKUMAR C	30	PASS
26.	611215114099	MADHAVANATH J M	35	PASS
27.	611215114103	MANIKANDAN S	45	PASS
28.	611215114104	MANISHKUMAR K	40	PASS
29.	611215114105	MANO K	36	PASS
30.	611215114108	MANOJ KUMAR S	38	PASS
31.	611215114116	MOHAN A K	31	PASS
32.	611215114119	MOHANKUMAR R	33	PASS
33.	611215114121	MOHAN KUMAR A P	36	PASS
34.	611215114123	MUGUNTHA ADITYA R	38	PASS
35.	611215114124	MURALI R	41	PASS
36.	611215114128	MUTHUKUMAR S	40	PASS
37.	611215114136	NIRMAL S	35	PASS
38.	611215114146	POTHIGAI SELVAN M	38	PASS
39.	611215114192	SATHISH KUMAR C	29	PASS
40.	611215114206	SRIRAM N	28	PASS
41.	611215114218	TAMILSELVAN S	31	PASS
42.	611215114244	WINSLETVASANTHRAAJ T S	33	PASS
43.	611215114341	VENKATESHWARAN M	36	PASS

**Note: Minimum 25 marks will be considered as pass mark for this certification course.**

  
28/09/2017  
FACULTY I/C

  
Principal,  
HOD/MECH Knowledge Institute of Technology,  
Kekkalavam (Po), Salem-637 504

  
PRINCIPAL





IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***


This certificate is awarded to  
**ADITHYA R (611215114003)**

In recognition of successful completion of

***“Design of Practical HVAC System”***

Conducted by “IIC-Center” from 01.09.2017 to 21.09.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
**HOD/Mech**

  
Principal,  
Knowledge Institute of Technology  
Chakravalam (Po), Salem-637 504

  
**Principal**



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IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**MANOJKUMAR S (611215114108)**

In recognition of successful completion of

***“Design of Practical HVAC System”***

Conducted by “IIK-Center” from 01.09.2017 to 21.09.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

Principal,  
Knowledge Institute of Technology,  
Chakrapalavam (Po), Salem-637 504

**Principal**





IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to


**MANIKANDAN S (611215114103)**

In recognition of successful completion of

***“Design of Practical HVAC System”***

Conducted by “IIC-Center” from 01.09.2017 to 21.09.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
**HOD/Mech**

  
Principal,  
Knowledge Institute of Technology,  
Kakkoalavam (Po), Salem-637 504

  
**Principal**



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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**SRIRAM N (611215114206)**

In recognition of successful completion of

***“Design of Practical HVAC System”***

Conducted by “IIK-Center” from 01.09.2017 to 21.09.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

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Knowledge Institute of Technology  
Takanalavam (Po), Salem-637 504

**Principal**





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DEPARTMENT OF MECHANICAL ENGINEERING



## *Certificate of Completion*

This certificate is awarded to

**WINSLETVASANTHRAJ T S (611215114244)**

In recognition of successful completion of

*“Design of Practical HVAC System”*

Conducted by “IIK-Center” from 01.09.2017 to 21.09.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

HOD/Mech

Principal,  
Knowledge Institute of Technology  
- at - Alagappam (Po), Salem-637 502

Principal



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 29/08/2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty		✓			
3	About Practical Session			✓		
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

Suggestion for Improvement:

\* Need more practical session and more industrial exposure.

Student Signature:

N. C. [Signature]

PM  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504





KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 29/09/2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session		✓			
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

Suggestion for Improvement:

1. need more practical session.  
2. Industries practice need more

Student Signature:

P. Subramanian (P. ABIN KUMAR)

pa

Principal,  
Knowledge Institute of Technology  
Chakapalayam (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 21/09/2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology			✓		
2	About training handled by faculty				✓	
3	About Practical Session		✓			
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

• Need More Industrial Visits and want more Practical Session.

**Student Signature:**

Gopikannan.R (Gopikannan - R)

PM

Principal,  
Knowledge Institute of Technology,  
Chakrapalavam (Po), Salem-637 014





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21.9.2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology			✓		
2	About training handled by faculty		✓			
3	About Practical Session				✓	
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus				✓	
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

Need more industrial Reviews  
need additional laboratories.

**Student Signature:**

Kishay S. (Kishu S)

*PM*

Principal,  
Knowledge Institute of Technology,  
Akapalayam (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21.9.2017

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session				✓	
4	About Industries Practice		✓	✓		
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement: -**

Faculties Improve Their Advance skills.

**Student Signature:**

Manikandan.S [MANIKANDAN.S]

PM

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504





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Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 21/9/17


		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty		✓			
3	About Practical Session		✓			
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus		✓			
6	Overall Experience about this course		✓			

Suggestion for Improvement:

Need more practical session

Student Signature:

Murali (MURALI.R)

  
Principal,  
Knowledge Institute of Technology,  
Akopalayam (Po), Salem-637 50.



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Approved by AICTE, Affiliated to Anna University, Chennai.

**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-1) using CATIA & NXCAD software		
Resource Person details	Mr..S.SANTHOSH & Mr.S.RAJESHKANNA Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 102
Date, Time and Venue	18.01.2018-01.02.2018 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 4 features of CATIA & NXCAD software. It contains CATIA & NXCAD basic level.
2. He explained about Introduction sketcher workbench, part modeling and assembly design.
3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).
4. He shared his personal experiences and difficulties he faced in his Industrial Career.



*Rm*

**Principal,**  
**Knowledge Institute of Technology,**  
**Takpalayam (Po), Salem-637 504**



From

J.Prakash,  
Assistant Professor  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

OK  
Pm

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

Composite research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) and Designers club is jointly organizing Solid Modeling (Level-1) using CATIA & NXCAD software. In this regard, I request your permission to execute the Certificate course for Mechanical Engineering students.

Thanking You

Salem

Yours Faithfully

03.01.2018

J. Prakash  
J. Prakash 1118  
3

Forwarded to the Principal

u.v.v

Pm  
M. N. LIPAL,  
Knowledge Institute of Technology  
Karpalavam (PO) Salem - 637 504

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CIRCULAR

Circular No.		Date	03.01.2018
To	III & II-Year students		
Subject	Solid Modeling (Level-1) using CATIA & NXCAD software		

This is to inform you that Center of Excellence – Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) & Designers Club has planned to conduct CATIA course for III & II year students. Interested candidates are requested to register their names to COE Incharge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Solid Modeling (Level-1) using CATIA & NXCAD software	COE – CRCPDT, A-Block, KIOT. 18.01.2018 – 01.02.2018	Mr.S.Santhosh Mr.S.Rajeshkanna AP Mechanical Engg. KIOT

For Further Details Kindly Contact: Mr. J.Prakash, AP/Mech, Faculty Incharge,  
COE-CRCPDT. M:+91 9789565007

  
Faculty I/c

  
HOD

  
PRINCIPAL

  
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Knowledge Institute of Technology  
Kabalavaram (PO) Salem - 637 504



# Certificate Course on Solid Modeling (Level-1) using NXCAD software

18.01.2018 to 01.02.2018



*Pursuing Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.  
www.kiot.ac.in

in association with



V.K. N. LIPAL,

Knowledge Institute of Technology  
Kakapalayam (PO) Salem - 637 504

### About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC. In the single window counselling (TNEA 2017) seats of KIOT were filled in 82<sup>nd</sup> position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs. KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

### About the Department

**Vision:** To create competent and industry relevant Mechanical Engineers with professional and social values to meet global challenges.

### Mission:

- Enabling environment for effective teaching - learning and research to meet global challenges.

- Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.
- Establish a continuous Industry Institute Interaction to make the students employable.
- Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E Industrial Safety Engineering & Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techserv Pvt. Ltd. and IAPMO (International Association of Plumbing and Mechanical Officials).

### SYLLABUS

#### 1. Introduction to NXCAD

Introduction About NXCAD, History of NXCAD, NXCAD modeling process, Parametric design concept, feature based design. About PLM, NXCAD Features, SKETCHER, Creating the new part.

#### 2. SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points.



Operations, Corner, Chamfer, Projections, Transformations.

Constrains, Constrain dialogue box, Constrains. Fix together, Animate constrain, Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.

### 3. PART MODELING

Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffner.

Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.

Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face, Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror, Pattern-Rectangular.

Circular, User defined Design table, Power copy, Functions and relations, Catalog Scaling- Scale, Affinity Reference elements- Point, Axis, Plane, Boolean operations- Assemble, Add, Remove, Intersect, Union trim.

### 4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component,

Product, Part Existing component, Existing component with positioning Replace component.

Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap, Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset.

Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain, Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.

### 5. DRAFTING AND DETAILING

Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view, Advanced front view Sections Detail view, Clipping view, Broken view. View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions

Stacked dimensions, Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions, Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature, Geometric tolerance Annotations Text, Text with leader, Balloon, Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.

### 6. GENERATIVE SHEET METAL DESIGN

Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge, Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper.

Free form surface, Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point or curve mapping Cutting and stamping Pocket.

Hole, Circular cutout, corner relief, Fillet, Chamfer.

### 7. GENERATIVE SHAPE DESIGN

Wireframe Points, Points and plane repetition, Extremum and Extremum polar Line, Axis, Polyline Planes Projection.

Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder

Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface. Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.

**For Registration Kindly Contact:**

**Mr.J.Prakash, AP/Mech,**

**Faculty Incharge,COE-CRCPDT.**

**M:+91 9789565007, Mail:jpmech@kiot.ac.in**



**KNOWLEDGE INSTITUTE OF TECHNOLOGY**

**Department of Mechanical Engineering**

**Course Plan**

Name of the COE	Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT)		
Name of the Course	NX CAD		
Solid Modeling (Level-1) using NXCAD software	04	Total number of Hours	32 hours
Solid Modeling (Level-2) using NXCAD software	03	Total number of Hours	32 hours
<b>EXECUTION SCHEDULE</b>			
Module No.	Name of the Module	No. of Hours	
1	Introduction to NX CAD	02	
2	Sketcher	06	
3	Part Modeling	12	
4	Assembly Design	12	
5	Drafting and Detailing	08	
6	Generative Sheet metal Design	12	
7	Surface Modeling	12	

**Detailed Execution Plan**

Name of the Course Module: 1. Introduction to NX CAD

Duration: 02 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
1.1	Introduction to Unigraphics NX, About NX Gateway, Getting Started, NX Graphical User Interface - Title bar, Menu bar, Toolbar, Radial toolbar, Selection bar, Cue and status line, Dialog rail, Resource bar, Navigators, HD3D tools,	1	1	-	Day1

*pm*

Integrated browser, Palettes, Roles, Full screen, View orientation- trimetric, isometric, View commands, Rotate ,Pan, Zoom in/out, Quick pick, Quick pick, categories, Coordinate system- absolute coordinate system, WCS, Absolute coordinate, Work coordinate system. View triad, Multiple graphics window, Information window, Keyboard accelerators, Dialog box File management - Creating new files , Opening files and Saving files				
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**Detailed Execution Plan**

Name of the Course Module: 2.SKETCHER

Duration: 06 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
2.1	Creating Sketches - Profile, Line, Arc, Circle, Fillet, Chamfer, Rectangle, Polygon, Studio Spline, Fit spline, Ellipse, Conic Editing sketches - Quick trim, Quick extend, Make corner, Offset curve, Pattern curve, Mirror curve, Intersection point,	1	2	-	Day 2
2.2	Derived lines Constraints - Geometric constraints, Auto constraint, Inferred constraint, Dimensional constraints, Auto dimension, Animate dimension, Continuous auto dimension	1	2	-	Day 3





Detailed Execution Plan

Name of the Course Module: 3.PART MODELING

Duration: 12 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
3.1	Basic terminologies - Feature, Body, Solid body, Sheet, Face, Section curves, Guide curves. Creating Primitives - Block, Cylinder, Cone, Sphere, Boss, Pocket, Emboss, Slot, Groove.	1	2	-	Day 4
3.2	Feature modeling commands-Creating Extrude features, Creating Revolve features. Datums-Creating Datum planes, Axis, Point.	1	2	-	Day 5
3.3	Creating Sweep Features-Swept, Sweep along guide, variable sweep, Creating Tube feature General hole, Drill size holes, Screw clearance holes, Threaded holes, Dart, Thread, Shell, Draft, Draft body, Scale Creating Blend and Chamfer. Instance feature	1	2	-	Day 6
3.4	Rectangular array, Circular array, Pattern face, Mirror feature, Mirror body Feature Operations -To Divide face, Trim body, Split body, Boolean commands, User defined feature, Creating Feature group, Layer settings, To measure distance between geometries, To measure	1	2	-	Day 7

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angle between geometries, To measure bodies and face geometries, To find geometric properties. Synchronous Modeling				
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Detailed Execution Plan					
Name of the Course Module: 4. Assembly Design					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
4.1	Introduction to Assembly modeling Assembly approaches. Assembly constrains - Angle, Bond, Centre	1	2	-	Day 8
4.2	Concentric, Distance, Fit, Parallel, Perpendicular, Touch align Component array - Linear array, Circular array, Feature instance array. Moving a component	1	2	-	Day 9
4.3	Replacing component, Repositioning component, Mirroring assembly. Creating a New Component, Creating new parent, Assembly clearance, Creating	1	2	-	Day 10
4.4	Exploded views, Assembly sequencing with motion. Creating deformable parts, Finding degrees of freedom. Assembly envelopes	1	2		Day 11

*Pm*



Detailed Execution Plan

Name of the Course Module: 5. Drafting and Detailing

Duration: 08 hours

Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
5.1	Craeting Sheets, Editing the Sheet, Stadard settings. Creating drawing views- Base view, Drawing view, projected view. Section view- Simple section, Stepped section , Half section, Revolved section, Folded section, Unfolded section, Pictorial section, Half pictorial section, Break out section Detail view Creating Broken view.	1	1	-	Day 1
5.2	Appling dimensions- Inferred Dimension, Horizontal Dimension, Vertical Dimension, Parallel Dimension, Perpendicular dimension, Angular dimension, Cylindrical Dimension, Hole dimension, Diameter Dimension, Chamfer Dimension, Radius or Radius of Curvature Dimension, Radius to Centre, Folded Radius, Thickness Dimension, Arc Length, Horizontal Chain Dimension, Vertical Chain Dimension, Horizontal Baseline Dimension, Vertical Baseline Dimension, Ordinate Dimension.	1	2	-	Day 2

*Pm*

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5.3	Creating Annotations, Datum feature, symbols, feature control frame, placing datum target symbol. Creating Ceterline, Axis, Hatch and Fill options Creating Table and Partlist.	1	2	-	Day 3
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Detailed Execution Plan					
Name of the Course Module: 6. Generative Sheet metal Design					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
6.1	NX Sheet Metal Preferences Creating base feature -Tab. Creating bend- Attaching flange, Attaching Contour flange.	2	4	-	Day 4 & 5
6.2	Creating Lofted flange, Inserting Hem flange, Apply Bend, unbend, rebend, Apply Jog. Creating Sheet metal from solid Applying Closed corner, Break corner, Applying chamfer	2	4	-	Day 6 & 7

Detailed Execution Plan					
Name of the Course Module: 7. Surface Modeling					
Duration: 12 hours					
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
7.1	Creating curves from curves Creating curve from bodies Extract body,	2	4	-	Day 8 & 9



	Composite curve Surface Modeling commands - Extrude, Revolve, Sweep, Swept.				
7.2	Surface using curves - Surface by Through curves, Surface by Through curve mesh, Creating Studio surface, Surface from Section Surface, Surface creation by N-Sided surface.	2	4	-	Day 10 & 11

*J. Prasad*  
Faculty I/C

*[Signature]*  
HOD MECH

*[Signature]*


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Knowledge Institute of Technology  
Vakapalayam (PO) Salem - 637 504

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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE**  
**NAME LIST**

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	B	611215114010	ARAVINTH N	III/VI	
2	A	611215114012	ARUL PRAKASAM S R	III/VI	
3	B	611215114018	ASWIN PRASAD V	III/VI	
4	B	611215114019	BALAJI A.R	III/VI	
5	B	611215114030	DHAMOTHARAN S	III/VI	
6	B	611215114034	DHATCHINA MURTHI G	III/VI	
7	B	611215114035	DHEVA K	III/VI	
8	A	611215114109	MANORANJAN P	III/VI	
9	A	611215114111	MEGATHESH R	III/VI	
10	A	611215114118	MOHANKUMAR M	III/VI	
11	A	611215114126	MURALIMANO HAR S	III/VI	
12	A	611215114127	MURUGAVELU U K	III/VI	
13	A	611215114132	NAGARAJ R	III/VI	
14	A	611215114133	NANDHAKUMAR E	III/VI	
15	D	611215114135	NIHALYA DEVI S S	III/VI	
16	B	611215114138	NIVESH B	III/VI	
17	D	611215114139	PADMANABAN M	III/VI	
18	B	611215114140	PARI ALAGHAN E	III/VI	
19	A	611215114141	PARTHA SARATHY D	III/VI	
20	D	611215114144	PERIYASAMY C	III/VI	
21	A	611215114145	POOVARASAN K	III/VI	
22	B	611215114147	PRABHU S	III/VI	
23	B	611215114148	PRADEEP C	III/VI	
24	D	611215114162	RAJKUMAR R K	III/VI	
25	D	611215114166	RAMPRATHAP S	III/VI	
26	D	611215114168	RANJITHKUMAR R	III/VI	
27	D	611215114171	REENA M	III/VI	
28	D	611215114172	ROHITH KUMAR R	III/VI	
29	D	611215114178	SANTHASEELAN S	III/VI	
30	D	611215114190	SATHISHKUMAR G	III/VI	
31	D	611215114193	SATHISH KUMAR R	III/VI	
32	C	611215114222	THIYAGARAJAN S	III/VI	
33	C	611215114227	VIGNESH V	III/VI	
34	C	611215114229	VIGNESH (22.06.1998) R	III/VI	
35	C	611215114230	VIGNESH (25.08.1998) R	III/VI	
36	C	611215114235	VIJAY S	III/VI	
37	C	611215114240	VINOTH KUMAR S	III/VI	
38	C	611215114241	VINOTHKUMAR (31.07.1998) S	III/VI	
39	C	611215114242	VISHAL V B	III/VI	
40	C	611215114308	DINESH N	III/VI	
41	C	611215114309	DINESH KUMAR S	III/VI	
42	C	611215114310	ELANGO VAN V	III/VI	

  
FACULTY INCHARGE

  
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE**  
**TRAINING ATTENDANCE SHEET (18.01.2018 to 01.02.2018)**

S.NO	SEC	REG. NO	NAME	YEAR	18.01.2018	19.01.2018	20.01.2018	22.01.2018	23.01.2018	24.01.2018
1	B	611215114010	ARAVINTH N	III/VI	/	/	/	/	/	/
2	A	611215114012	ARUL PRAKASAM S R	III/VI	/	/	/	/	/	/
3	B	611215114018	ASWIN PRASAD V	III/VI	/	/	/	/	/	/
4	B	611215114019	BALAJI A R	III/VI	/	/	/	/	/	/
5	B	611215114030	DHAMOTHARAN S	III/VI	/	/	/	/	/	/
6	B	611215114034	DHATCHINA MURTHI G	III/VI	/	/	/	/	/	/
7	B	611215114035	DHEVA K	III/VI	/	/	/	/	/	/
8	A	611215114109	MANORANJAN P	III/VI	/	/	/	/	/	/
9	A	611215114111	MEGATHESH R	III/VI	/	/	/	/	/	/
10	A	611215114118	MOHANKUMAR M	III/VI	/	/	/	/	/	/
11	A	611215114126	MURALIMANO HAR S	III/VI	/	/	/	/	/	/
12	A	611215114127	MURUGAVELU U K	III/VI	/	/	/	/	/	/
13	A	611215114132	NAGARAJ R	III/VI	/	/	/	/	/	/
14	A	611215114133	NANDHAKUMAR E	III/VI	/	/	/	/	/	/
15	D	611215114135	NIHALYA DEVI S S	III/VI	/	/	/	/	/	/
16	B	611215114138	NIVESH B	III/VI	/	a	/	/	/	/
17	D	611215114139	PADMANABAN M	III/VI	/	a	/	/	/	/
18	B	611215114140	PARI ALAGHAN E	III/VI	/	/	/	/	/	/
19	A	611215114141	PARTHA SARATHY D	III/VI	/	/	/	/	/	/
20	D	611215114144	PERIYASAMY C	III/VI	/	/	/	/	/	/
21	A	611215114145	POOVARASAN K	III/VI	/	/	/	/	/	/
22	B	611215114147	PRABHU S	III/VI	/	/	/	/	/	/
23	B	611215114148	PRADEEP C	III/VI	/	/	/	/	/	/
24	D	611215114162	RAJKUMAR R K	III/VI	/	/	/	/	/	/
25	D	611215114166	RAMPRATHAP S	III/VI	/	/	/	/	/	/
26	D	611215114168	RANJITHKUMAR R	III/VI	/	/	/	/	/	/
27	D	611215114171	REENA M	III/VI	/	/	/	/	/	/
28	D	611215114172	ROHITH KUMAR R	III/VI	/	/	/	/	/	/
29	D	611215114178	SANTHASEELAN S	III/VI	/	/	/	/	/	/
30	D	611215114190	SATHISHKUMAR G	III/VI	/	/	/	/	/	/
31	D	611215114193	SATHISH KUMAR R	III/VI	/	/	/	/	/	/
32	C	611215114222	THIYAGARAJAN S	III/VI	/	/	/	/	/	/
33	C	611215114227	VIGNESH V	III/VI	/	/	/	/	/	/
34	C	611215114229	VIGNESH (22.06.1998) R	III/VI	/	/	/	/	/	/
35	C	611215114230	VIGNESH (25.08.1998) R	III/VI	/	/	/	/	/	/
36	C	611215114235	VIJAY S	III/VI	/	/	/	/	/	/
37	C	611215114240	VINOTH KUMAR S	III/VI	/	/	/	/	/	/
38	C	611215114241	VINOTHKUMAR (31.07.1998) S	III/VI	/	/	/	/	/	/
39	C	611215114242	VISHAL V B	III/VI	/	/	/	/	/	/
40	C	611215114308	DINESH N	III/VI	/	/	/	/	/	/
41	C	611215114309	DINESH KUMAR S	III/VI	/	/	/	/	/	/
42	C	611215114310	ELANGO VAN V	III/VI	/	/	/	/	/	/
No. of Students Present					42	40	40	40	40	40
No. of Students Absent						02				
Faculty Signature										

FACULTY INCHARGE 24/1/18

PR Ncipal,  
 Knowledge Institute of Technology  
 Kalanayam (PO) Salem - 637 504

HOD MECHANICAL



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE**  
**TRAINING ATTENDANCE SHEET (18.01.2018 to 01.02.2018)**

S.NO	SEC	REG. NO	NAME	YEAR	25.01.2018	29.01.2018	30.01.2018	31.01.2018	01.02.2018
1	B	611215114010	ARAVINTH N	III/VI	/	/	/	/	/
2	A	611215114012	ARUL PRAKASAM S R	III/VI	/	/	/	/	/
3	B	611215114018	ASWIN PRASAD V	III/VI	/	/	/	/	/
4	B	611215114019	BALAJI A.R	III/VI	/	/	/	/	/
5	B	611215114030	DHAMOTHARAN S	III/VI	/	/	/	/	/
6	B	611215114034	DHATCHINA MURTHI G	III/VI	/	/	/	/	/
7	B	611215114035	DHEVA K	III/VI	/	/	/	/	/
8	A	611215114109	MANORANJAN P	III/VI	/	/	/	/	/
9	A	611215114111	MEGATHESH R	III/VI	/	/	/	/	/
10	A	611215114118	MOHANKUMAR M	III/VI	/	/	/	/	/
11	A	611215114126	MURALIMANO HAR S	III/VI	/	/	/	/	/
12	A	611215114127	MURUGAVELU U K	III/VI	/	/	/	/	/
13	A	611215114132	NAGARAJ R	III/VI	/	/	a	/	/
14	A	611215114133	NANDHAKUMAR E	III/VI	/	/	/	/	/
15	D	611215114135	NIHALYA DEVI S S	III/VI	/	/	/	/	/
16	B	611215114138	NIVESH B	III/VI	/	/	/	/	/
17	D	611215114139	PADMANABAN M	III/VI	/	/	/	/	/
18	B	611215114140	PARI ALAGHAN E	III/VI	/	/	/	/	/
19	A	611215114141	PARTHA SARATHY D	III/VI	/	/	/	/	/
20	D	611215114144	PERIYASAMY C	III/VI	/	/	/	/	/
21	A	611215114145	POOVARASAN K	III/VI	/	/	/	/	/
22	B	611215114147	PRABHU S	III/VI	/	/	/	/	/
23	B	611215114148	PRADEEP C	III/VI	/	a	/	/	/
24	D	611215114162	RAJKUMAR R K	III/VI	/	/	/	/	/
25	D	611215114166	RAMPRATHAP S	III/VI	/	/	/	/	/
26	D	611215114168	RANJITHKUMAR R	III/VI	/	/	/	/	/
27	D	611215114171	REENA M	III/VI	/	/	/	/	/
28	D	611215114172	ROHITH KUMAR R	III/VI	/	/	/	/	/
29	D	611215114178	SANTHASEELAN S	III/VI	/	/	/	/	/
30	D	611215114190	SATHISHKUMAR G	III/VI	/	/	/	/	/
31	D	611215114193	SATHISH KUMAR R	III/VI	/	/	/	/	/
32	C	611215114222	THIYAGARAJAN S	III/VI	/	/	/	/	/
33	C	611215114227	VIGNESH V	III/VI	/	/	/	/	/
34	C	611215114229	VIGNESH (22.06.1998) R	III/VI	/	/	/	/	/
35	C	611215114230	VIGNESH (25.08.1998) R	III/VI	/	/	/	/	/
36	C	611215114235	VIJAY S	III/VI	/	/	/	/	/
37	C	611215114240	VINOTH KUMAR S	III/VI	/	/	/	/	/
38	C	611215114241	VINOTHKUMAR (31.07.1998) S	III/VI	/	/	/	/	/
39	C	611215114242	VISHAL V B	III/VI	/	/	/	/	/
40	C	611215114308	DINESH N	III/VI	/	/	/	/	/
41	C	611215114309	DINESH KUMAR S	III/VI	/	/	/	/	/
42	C	611215114310	ELANGO VAN V	III/VI	/	/	/	/	/
No. of Students Present					42	41	41	42	42
No. of Students Absent					-	01	01	-	-
Faculty Signature					<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
FACULTY INCHARGE 1/2/18

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*[Signature]*  
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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

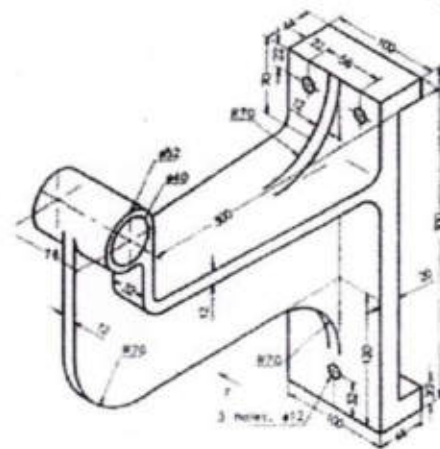
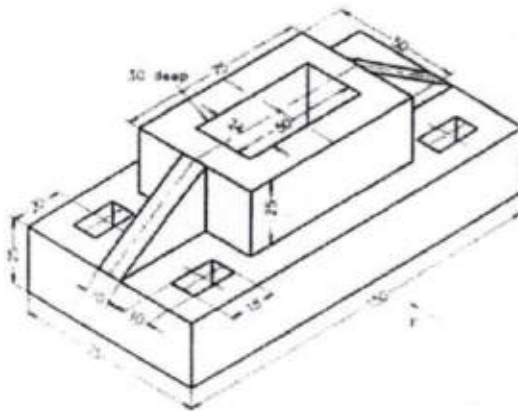
Name: *M. Dinesh*

Reg. No: *6102574208*

Year/Sem/Sec: *III/IV*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	<i>45</i>
2	PART-B (PART DESIGN)	50	<i>45</i>
TOTAL MARKS		100	<i>90</i>



*Pm*







**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

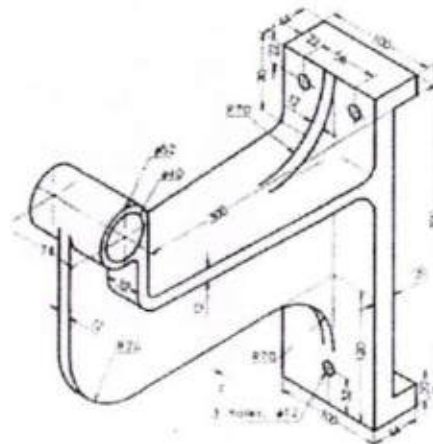
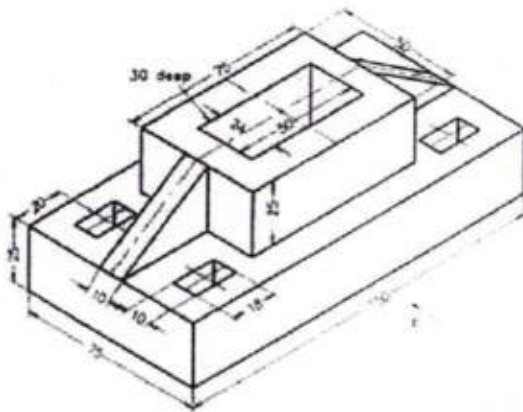
Name: IC. Deva

Reg. No: 611215114035

Year/Sem/Sec: III / VI

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	30
2	PART-B (PART DESIGN)	50	25
TOTAL MARKS		100	55



*[Signature]*  
1/2/18

*[Signature]*

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Chakrapalavam (PO) Salem - 637 504



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

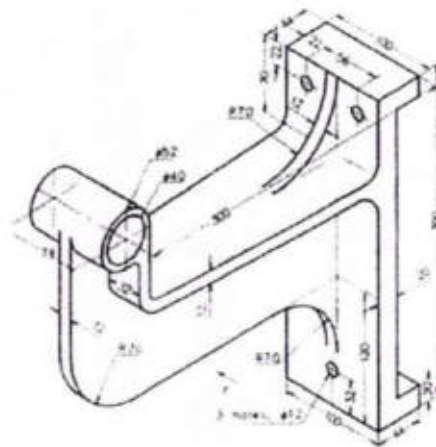
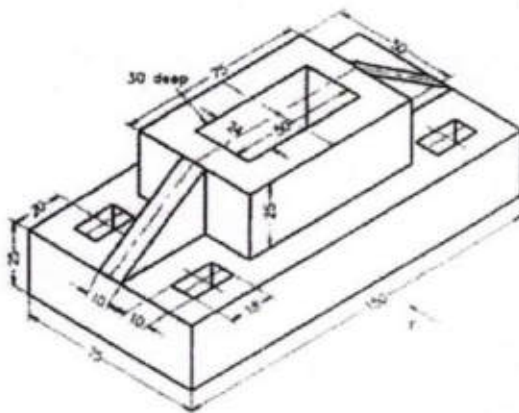
Name: Poadeep. C

Reg. No: 611215114148

Year/Sem/Sec: III / VI

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	45
2	PART-B (PART DESIGN)	50	35
TOTAL MARKS		100	80



*PK*  
11-118

*PK*  
PK N. LIPAL,





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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

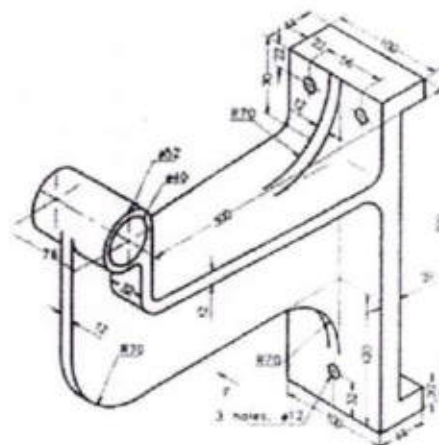
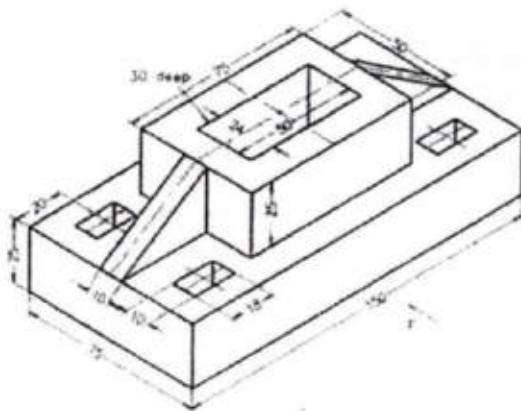
Name: *S. vijay*

Reg. No: *611215114235*

Year/Sem/Sec: *111 | VI*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	<i>25</i>
2	PART-B (PART DESIGN)	50	<i>35</i>
TOTAL MARKS		100	<i>60</i>



*1/2-1/8*

*Rm*

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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE**  
**EVALUATION MARK LIST**

1.2.2018

S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	B	611215114010	ARAVINTH N	III/VI	60
2	A	611215114012	ARUL PRAKASAM S R	III/VI	80
3	B	611215114018	ASWIN PRASAD V	III/VI	95
4	B	611215114019	BALAJI A.R	III/VI	85
5	B	611215114030	DHAMOTHARAN S	III/VI	60
6	B	611215114034	DHATCHINA MURTHI G	III/VI	60
7	B	611215114035	DHEVA K	III/VI	65
8	A	611215114109	MANORANJAN P	III/VI	85
9	A	611215114111	MEGATHESH R	III/VI	75
10	A	611215114118	MOHANKUMAR M	III/VI	70
11	A	611215114126	MURALIMANO HAR S	III/VI	80
12	A	611215114127	MURUGAVELU U K	III/VI	55
13	A	611215114132	NAGARAJ R	III/VI	60
14	A	611215114133	NANDHAKUMAR E	III/VI	50
15	D	611215114135	NIHALYA DEVI S S	III/VI	75
16	B	611215114138	NIVESH B	III/VI	70
17	D	611215114139	PADMANABAN M	III/VI	80
18	B	611215114140	PARI ALAGHAN E	III/VI	65
19	A	611215114141	PARTHA SARATHY D	III/VI	70
20	D	611215114144	PERIYASAMY C	III/VI	95
21	A	611215114145	POOVARASAN K	III/VI	90
22	B	611215114147	PRABHU S	III/VI	90
23	B	611215114148	PRADEEP C	III/VI	80
24	D	611215114162	RAJKUMAR R K	III/VI	85
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27	D	611215114171	REENA M	III/VI	85
28	D	611215114172	ROHITH KUMAR R	III/VI	90
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31	D	611215114193	SATHISH KUMAR R	III/VI	75
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33	C	611215114227	VIGNESH V	III/VI	85
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36	C	611215114235	VIJAY S	III/VI	60
37	C	611215114240	VINOTH KUMAR S	III/VI	90
38	C	611215114241	VINOTHKUMAR (31.07.1998) S	III/VI	95
39	C	611215114242	VISHAL V B	III/VI	80
40	C	611215114308	DINESH N	III/VI	90
41	C	611215114309	DINESH KUMAR S	III/VI	65
42	C	611215114310	ELANGO VAN V	III/VI	80

*[Signature]*  
 FACULTY INCHARGE 1/2/18

*[Signature]*  
 H K N LIPAL,

*[Signature]*  
 HOD





*Beyond Knowledge*

**KNOWLEDGE INSTITUTE OF  
TECHNOLOGY**

Accredited by NAAC

**HARITA TECHSERV  
LIMITED**



## ***Certificate of Completion***

This certificate is awarded to

**REENA.M (611215114071)**

  
Principal,  
Knowledge Institute of Technology  
Takaalavam (Po), Salem-637 604

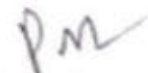
In recognition of successful completion of

**“Solid Modeling (Level-1) using NXCAD software”**

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



*Beyond Knowledge*

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TECHNOLOGY**

Accredited by NAAC

**HARITA TECHSERV  
LIMITED**



## ***Certificate of Completion***

This certificate is awarded to

**PRABHU.S (611215114147)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using NXCAD software”**

Principal,  
Knowledge Institute of Technology,  
Arasalavam (Po), Salem-637 604.

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology Salem,  
Tamilnadu, India

**Mr.M.Sathyanathan**  
Coordinator

**Dr.K.Visagavel**  
HOD/Mechanical

**Dr.PSS.Srinivasan**  
Principal

**R.Shankararayanan**  
COO/Harita Techserv Limited





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**HARITA TECHSERV  
LIMITED**



## ***Certificate of Completion***

This certificate is awarded to  
**NIVESH.B (611215114138)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using NXCAD software”**

  
Principal,  
Knowledge Institute of Technology  
Chokanalavam (Po), Salem-837 604

**Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018**  
**Department of Mechanical Engineering, Knowledge Institute of Technology salem,**  
**Tamilnadu, India**

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



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## ***Certificate of Completion***


This certificate is awarded to  
**NAGARAJ.R (611215114132)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using NXCAD software”**

  
Principal,  
Knowledge Institute of Technology  
Karaikalavam (Po), Salem-637 604

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
Mr. M. Sathyanathan  
Coordinator

  
Dr. K. Visagavel  
HOD/Mechanical

  
Dr. PSS. Srinivasan  
Principal

  
R. Shankarnarayanan  
COO/Harita Techserv Limited





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## ***Certificate of Completion***

This certificate is awarded to

**BALAJI.A.R (611215114019)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using NXCAD software”**

Principal,  
Knowledge Institute of Technology  
Panalavam (Po), Salem-637 604

**Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India**

**Mr.M.Sathyanathan**  
Coordinator

**Dr.K.Visagavel**  
HOD/Mechanical

**Dr.PSS.Srinivasan**  
Principal

**R.Shankarnarayanan**  
COO/Harita Techserv Limited



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using NXCAD/CATIA software**

Name: R. K. Rajkumar

Year/Sem/Sec: III | VI

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Disagree
1	About Introduction to CATIA V5	<input checked="" type="checkbox"/>				
2	Sketcher Workbench		<input checked="" type="checkbox"/>			
3	Part Modeling	<input checked="" type="checkbox"/>				
4	Assembly Design		<input checked="" type="checkbox"/>			
5	Course content and Hands on Experience of CATIA V5	<input checked="" type="checkbox"/>				
6	Trainer Explanation level about this course		<input checked="" type="checkbox"/>			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings	<input checked="" type="checkbox"/>				
8	Overall Experience about this course		<input checked="" type="checkbox"/>			

Suggestion for Improvement

R. K. Rajkumar

Signature of the Candidate

Principal

PRINCIPAL,  
Knowledge Institute of Technology  
Kakopalavam (PO) Salem - 637 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using NXCAD/CATIA software**

Name: *Periyasamy. C*

Year/Sem/Sec: *611215114144*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Agree	Disagree
1	About Introduction to CATIA V5	✓				
2	Sketcher Workbench	✓				
3	Part Modeling	✓				
4	Assembly Design	✓				
5	Course content and Hands on Experience of CATIA V5	✓				
6	Trainer Explanation level about this course	✓				
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
8	Overall Experience about this course	✓				

Suggestion for Improvement

*C. Periyasamy*

Signature of the Candidate

*PM*  
PRINCIPAL,  
Knowledge Institute of Technology  
Vakapalayam (PO) Salem - 637 504



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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using NXCAD/CATIA software**

Name: Murath Manohar. S

Year/Sem/Sec: 611 1V1

S.No.	List of Content	Strongly Agree	Agree	Neutral	Agree	Disagree
1	About Introduction to CATIA V5		✓			
2	Sketcher Workbench		✓			
3	Part Modeling		✓			
4	Assembly Design		✓			
5	Course content and Hands on Experience of CATIA V5		✓			
6	Trainer Explanation level about this course		✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
8	Overall Experience about this course		✓			

Suggestion for Improvement

Murath Manohar. S

Signature of the Candidate

PM  
PRINCIPAL,  
Knowledge Institute of Technology,  
Akadolaivam (PO) Salem - 637 504





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NXCAD/CATIA software

Name: Santhaseelan.S

Year/Sem/Sec: (11) / (V) / (1)

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree
1	About Introduction to CATIA V5		✓		
2	Sketcher Workbench		✓		
3	Part Modeling		✓		
4	Assembly Design	✓			
5	Course content and Hands on Experience of CATIA V5	✓			
6	Trainer Explanation level about this course	✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓			
8	Overall Experience about this course	✓			

Suggestion for Improvement

*S. Santhaseelan*

Signature of the Candidate

*PM*

M. K. N. LIPAL,

Knowledge Institute of Technology  
Palayamkottai (PO), Salem - 637 504



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Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using NXCAD/CATIA software**

Name: **ARAVINTH. M**


Year/Sem/Sec: **III IV I**

S.No.	List of Content	Strongly Agree	Agree	Neutral	Agree	Disagree
1	About Introduction to CATIA V5	✓				
2	Sketcher Workbench		✓			
3	Part Modeling	✓				
4	Assembly Design	✓				
5	Course content and Hands on Experience of CATIA V5	✓				
6	Trainer Explanation level about this course	✓				
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
8	Overall Experience about this course	✓				

Suggestion for Improvement

**Aravinth. M**

Signature of the Candidate

  
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Knowledge Institute of Technology  
Vakdalayam (PO) Salem - 637 504





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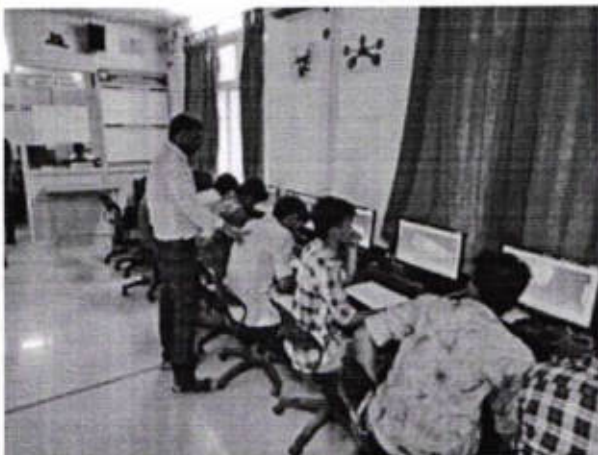
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Approved by AICTE, Affiliated to Anna University, Chennai.


**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-1) using CATIA & NXCAD software		
Resource Person details	Mr..S.SANTHOSH & Mr.S.RAJESHKANNA Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 102
Date, Time and Venue	18.01.2018-01.02.2018 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 4 features of CATIA & NXCAD software. It contains CATIA & NXCAD basic level.
2. He explained about Introduction sketcher workbench, part modeling and assembly design.
3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).
4. He shared his personal experiences and difficulties he faced in his Industrial Career.



  
Principal,  
Knowledge Institute of Technology  
Cakrapalayam (Po), Salem-637 504

From

J.Prakash,  
Assistant Professor  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

OK  
Pm

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

Composite research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) and Designers club is jointly organizing Solid Modeling (Level-1) using CATIA & NXCAD software. In this regard, I request your permission to execute the Certificate course for Mechanical Engineering students.

Thanking You

Salem

Yours Faithfully

03.01.2018

Forwarded to the Principal

u.v.v

J. Prakash  
Prakash  
5/1/18

Pm

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Kakopalayam (PO) Salem - 637 504



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**CIRCULAR**


<b>Circular No.</b>		<b>Date</b>	<b>03.01.2018</b>
<b>To</b>	III & II-Year students		
<b>Subject</b>	Solid Modeling (Level-1) using CATIA & NXCAD software		

This is to inform you that Center of Excellence – Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT) & Designers Club has planned to conduct CATIA course for III & II year students. Interested candidates are requested to register their names to COE Incharge.

<b>SL. NO.</b>	<b>NAME OF THE PROGRAM</b>	<b>VENUE DATE &amp; TIME</b>	<b>RESOURCE PERSON</b>
1	Solid Modeling (Level-1) using CATIA & NXCAD software	COE – CRCPDT, A-Block, KIOT. 18.01.2018 – 01.02.2018	Mr.S.Santhosh Mr.S.Rajeshkanna AP Mechanical Engg. KIOT

For Further Details Kindly Contact: Mr. J.Prakash, AP/Mech, Faculty Incharge,  
COE-CRCPDT. M:+91 9789565007

  
Faculty I/c

  
HOD

  
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# Certificate Course on Solid Modeling (Level-1) using CATIA software

18.01.2018 to 01.02.2018



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Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

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KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.  
www.kiot.ac.in

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### About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC. In the single window counselling (TNEA 2017) seats of KIOT were filled in 82<sup>nd</sup> position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs. KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

### About the Department

**Vision:** To create competent and industry relevant Mechanical Engineers with professional and social values to meet global challenges.

### Mission:

- Enabling environment for effective teaching - learning and research to meet global challenges.

- Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.
- Establish a continuous Industry Institute Interaction to make the students employable.
- Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E Industrial Safety Engineering & Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techserv Pvt. Ltd. and IAPMO (International Association of Plumbing and Mechanical Officials).

### SYLLABUS

#### 1.Introduction to CATIA V5

Introduction About CATIA V5, History of CATIA, CATIA modeling process, Parametric design concept, feature based design. About PLM, CATIA Features, SKETCHER, Creating the new part.

#### 2.SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points.



Operations, Corner, Chamfer, Projections, Transformations.

Constrains, Constrain dialogue box. Constrains, Fix together, Animate constrain, Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.

### 3. PART MODELING

Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffner.

Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.

Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face, Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror. Pattern-Rectangular.

Circular, User defined Design table, Power copy, Functions and relations, Catalog Scaling- Scale. Affinity Reference elements- Point, Axis, Planes, Boolean operations- Assemble, Add, Remove, Intersect, Union trim.

### 4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component,

Product, Part Existing component, Existing component with positioning Replace component.

Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap, Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset.

Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain, Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.

### 5. DRAFTING AND DETAILING

Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view, Advanced front view Sections Detail view, Clipping view, Broken view, View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions

Stacked dimensions, Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions, Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature, Geometric tolerance Annotations Text, Text with leader, Balloon, Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.

### 6. GENERATIVE SHEET METAL DESIGN

Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge, Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper.

Free form surface, Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point or curve mapping Cutting and stamping Pocket.

Hole, Circular cutout, corner relief, Fillet, Chamfer.

### 7. GENERATIVE SHAPE DESIGN

Wireframe Points, Points and plane repetition, Extemum and Extemum polar Line, Axis, Polyline Planes Projection.

Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder

Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface. Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.

**For Registration Kindly Contact:**

**Mr.J.Prakash, AP/Mech,**

**Faculty Incharge,COE-CRCPDT.**


**M:+91 9789565007, Mail:jpmech@kiot.ac.in**

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**

Department of Mechanical Engineering

**Course Plan**

Name of the COE	Composite Research Centre for Product Design, Digital Manufacturing and Technical Documentation (CRCPDT)		
Name of the Course	CATIA V5		
Solid Modeling (Level-1) using CATIA software	04	Number of Hours	32 hours
Solid Modeling (Level-1) using CATIA software	03	Number of Hours	32 hours
<b>EXECUTION SCHEDULE</b>			
<b>Module No.</b>	<b>Name of the Module</b>	<b>No. of Hours</b>	
1	Introduction to CATIA V5	02	
2	Sketcher Workbench	06	
3	Part Modeling	12	
4	Assembly Design	12	
5	Drafting and Detailing	08	
6	Generative Sheet metal Design	12	
7	Generative Shape Design	12	

  
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Akabalam (PO) Salem - 637 504



Detailed Execution Plan

Name of the Course Module: 1.Introduction to CATIA V5

Duration: 02 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1	Introduction About CATIA V5, History of CATIA, CATIA modeling process, Parametric design concept, feature based design. About PLM, CATIA Features, SKETCHER, Creating the new part.	1	1	-	Day 1

Detailed Execution Plan

Name of the Course Module: 2.SKETCHER WORKBENCH

Duration: 06

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2.1	Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points, Operations, Corner, Chamfer, Projections, Transformations.	1	2	-	Day 2
2.2	Constrains, Constrain dialogue box, Constrains, Fix together, Animate constrain, Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench.	1	2	-	Day 3

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Detailed Execution Plan					
Name of the Course Module: 4. Assembly Design					
Duration: 12					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4.1	Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.	1	2	-	Day 8
4.2	Graph tree reordering, Generate numbering Fast multi installation, Define multi installation Move options Manipulations Snap	1	2	-	Day 9
4.3	Smart move Explode Stop manipulation on clash Assembly constrains Coincident, Contact constrain, Offset. Angular, parallel, Perpendicular, Fix together, Quick constrain, Change constrain,	1	2	-	Day 10
4.4	Reuse pattern Assembly Features Split, Hole, Pocket, Add, Remove Symmetry in assembly.	1	2	-	Day 11

Detailed Execution Plan					
Name of the Course Module: 5. Drafting and Detailing					
Duration: 08					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
	Introduction on drafting Standards, Templates in drafting Creating the drawing Views Front view, Unfolded view, Projections, Auxiliary view, Isometric view,	1	1	-	Day 1



Detailed Execution Plan

Name of the Course Module: 3.PART MODELING

Duration: 12

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3.1	Sketch based features Pad, Multipad, Drafted filleted pad. Pocket, Multipocket, Drafted filleted pocket Shafts, groove Holes Rib, Slots Solid combine, Stiffner.	1	2	-	Day 4
3.2	Multi section solid, Multi section solid removal Edit Geometry, Parent child relationship, copy & paste features, Dress up features -Edge fillet, Variable radius fillet, Face to face fillet, Tri tangent fillet Chamfer Drafts.	1	2		Day 5
3.3	Drafted reflected line, Variable angle draft Shell feature, Thicken Thread, Remove face, Replace face Transformation Features- Translation, Rotation, Symmetry, Axis to axis Mirror, Pattern-Rectangular.	1	2	-	Day 6
3.4	Circular, User defined Design table, Power copy, Functions and relations, Catalog Scaling- Scale, Affinity Reference elements- Point, Axis, Planes, Boolean operations- Assemble, Add, Remove, Intersect, Union trim.	1	2	-	Day 7

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5.1	Advanced front view Sections Detail view, Clipping view, Broken view, View creation wizard Dimensions Dimensions, Chained dimensions, Cumulated dimensions.				
5.2	Stacked dimensions, Distance, Angular, Radius, Diameter, Chamfer dimensions, Thread dimensions, Coordinate dimensions, Hole dimension table and coordinate dimension table Dimension edition, Datum feature	1	2	-	Day 2
5.3	Geometric tolerance Annotations Text, Text with leader, Balloon, Datum target, Text template replacement Symbols and Table creation Dress up Centre line. Area fill creations, Arrow Geometry creation Points, Lines, Circle and Ellipse, Profiles, Curves tools, Transformation tools, Constrains Generation Generate dimensions, Generate balloons, Bill of material generation Saving and Formats.	1	2	-	Day 3
Detailed Execution Plan					
Name of the Course Module: 6. Generative Sheet metal Design					
Duration: 12					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
6.1	Introduction about sheet metal design Sheet metal parameters Walls-Wall, wall on edge	1	2	-	Day 4
6.2	Extrusion Flange, Hem, Tear drop, User flange Recognize tool Rolled wall Hopper. Free form surface	1	2	-	Day 5



6.3	Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point	1	2	-	Day 6
6.4	Curve mapping Cutting and stamping Pocket Hole, Circular cutout, corner relief, Fillet, Chamfer.	1	2	-	Day 7

**Detailed Execution Plan**

Name of the Course Module: 7. Generative Shape Design

Duration: 12

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
7.1	Wireframe Points, Points and plane repetition, Extremum and Extremum polar Line, Axis, Polyline Planes Projection.	1	2	-	Day 8
7.2	Combine, Reflect line, Silhouette Parallel curve, Rolling offset, 3D offset Circle, and Corner. Connect curve, Conic Spline, Helix, Spiral, Curve from plane, Contour, Revolve, Sphere, Cylinder	1	2	-	Day 9
7.3	Isoparametric curve Surfaces Extrude, Offset surfaces Sweeps and adaptive sweep Fill surfaces, Multisection surface.	1	2	-	Day 10
7.4	Blend surface Operations Join Split and Trim Extracts Shape fillets Chamfer Translate Extrapolate BIW templates Advance surfacing.	1	2	-	Day 11

*J. Prasad*  
FACULTY I/c

*Pm*

*[Signature]*  
HOD MECH


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**  
**NAME LIST**

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	B	611216114006	ANILGUPTHA C A	II/IV	
2	D	611216114007	ARUN T	II/IV	
3	C	611216114008	ATHISWARAN SM	II/IV	
4	A	611216114010	BHARATH N	II/IV	
5	A	611216114014	CHENNAKRISHNAN C	II/IV	
6	D	611216114017	DHARANI DHARAN S	II/IV	
7	D	611216114019	DHINESH KUMAR T	II/IV	
8	B	611216114025	DINESH C	II/IV	
9	C	611216114027	DINESH M (21-01-1999)	II/IV	
10	A	611216114029	DIVA AHARAN V	II/IV	
11	D	611216114031	DOMINIC SAVIO A	II/IV	
12	C	611216114032	ELANGKUMARAN S	II/IV	
13	B	611216114033	ELANGO S	II/IV	
14	A	611216114034	GIRITHARAN A	II/IV	
15	C	611216114035	GNANASURIYA RAJAN S	II/IV	
16	D	611216114036	GOKUL S	II/IV	
17	A	611216114037	GOKUL T	II/IV	
18	D	611216114039	GOKULPRASANTH M	II/IV	
19	C	611216114041	GOKULRAJAN A J	II/IV	
20	A	611216114044	GOWTHAM R	II/IV	
21	A	611216114045	GOWTHAM S	II/IV	
22	A	611216114046	GOWTHAMRAJ V S	II/IV	
23	C	611216114047	GUNAPRASANTH B	II/IV	
24	D	611216114048	HAMANTHRAJ K	II/IV	
25	B	611216114056	KARTHI B	II/IV	
26	B	611216114059	KARTHICK V	II/IV	
27	D	611216114071	LOGESH C	II/IV	
28	D	611216114073	MANIKANDAN E	II/IV	
29	C	611216114077	MOHANKUMAR L	II/IV	
30	C	611216114082	NANDHAKUMAR S	II/IV	
31	A	611216114083	NANDHAKUMAR V	II/IV	
32	B	611216114084	NANTHAKUMAR D	II/IV	
33	B	611216114085	NARENDIRAN S	II/IV	
34	D	611216114086	NARESH KUMAR R	II/IV	
35	B	611216114090	NAVEENKUMAR L	II/IV	



36	D	611216114096	NIRMAL GANESH C	II/IV	
37	C	611216114104	PRAKASH S	II/IV	
38	D	611216114110	PRAVEEN K M	II/IV	
39	B	611216114112	PRAVEEN S (24-11-1998)	II/IV	
40	B	611216114117	RAGUL S	II/IV	
41	C	611216114123	RAVIBHARATHI P	II/IV	
42	B	611216114125	RISHIKARAN S	II/IV	
43	C	611216114127	SADHEESH KUMAR N	II/IV	
44	C	611216114130	SANTHOSH V	II/IV	
45	C	611216114134	SATHEES KUMAR N	II/IV	
46	B	611216114139	SHANKAR M	II/IV	
47	C	611216114149	SUBASH M	II/IV	
48	B	611216114151	SUDHARSHAN V	II/IV	
49	C	611216114156	TAMILARASAN R	II/IV	
50	C	611216114160	THARUN P	II/IV	
51	D	611216114162	VIGNESH M	II/IV	
52	B	611216114303	ARUNKUMAR K	II/IV	
53	B	611216114304	ARUNKUMAR K	II/IV	
54	C	611216114318	GOWTHAM R	II/IV	
55	A	611216114327	LOGESH T	II/IV	
56	C	611216114332	NANDHA KUMAR M	II/IV	
57	C	611216114339	PREM G	II/IV	
58	D	611216114349	SUBASH U	II/IV	
59	B	611216114352	SURIYAPRAKASH M	II/IV	
60	A	611216114701	PREMKUMAR S	II/IV	

  
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**  
**TRAINING ATTENDANCE SHEET (18.01.2018 to 01.02.2018)**

S.NO	SEC	REG. NO	NAME	YEAR	18.01.2018	19.01.2018	20.01.2018	22.01.2018	23.01.2018	24.01.2018
1	B	611216114006	ANILGUPTHA C A	II/IV	/	/	/	/	/	/
2	D	611216114007	ARUN T	II/IV	/	/	/	/	/	/
3	C	611216114008	ATHISWARAN SM	II/IV	/	/	/	/	/	/
4	A	611216114010	BHARATH N	II/IV	/	/	/	/	/	/
5	A	611216114014	CHENNAKRISHNAN C	II/IV	/	/	/	/	/	/
6	D	611216114017	DHARANI DHARAN S	II/IV	/	/	/	/	/	/
7	D	611216114019	DHINESH KUMAR T	II/IV	/	/	/	/	/	/
8	B	611216114025	DINESH C	II/IV	/	/	/	/	/	/
9	C	611216114027	DINESH M (21-01-1999)	II/IV	/	/	/	/	/	/
10	A	611216114029	DIVAAHARAN V	II/IV	/	/	/	/	/	/
11	D	611216114031	DOMINIC SAVIO A	II/IV	/	/	/	/	/	/
12	C	611216114032	ELANGKUMARAN S	II/IV	/	a	/	/	/	/
13	B	611216114033	ELANGO S	II/IV	/	/	a	/	/	/
14	A	611216114034	GIRITHARAN A	II/IV	/	/	/	/	/	/
15	C	611216114035	GNANASURIYA RAJAN S	II/IV	/	/	/	/	/	/
16	D	611216114036	GOKUL S	II/IV	/	/	/	/	/	/
17	A	611216114037	GOKUL T	II/IV	/	/	/	/	/	/
18	D	611216114039	GOKULPRASANTH M	II/IV	/	/	/	/	/	/
19	C	611216114041	GOKULRAJAN A J	II/IV	/	/	/	a	/	/
20	A	611216114044	GOWTHAM R	II/IV	/	/	/	/	/	/
21	A	611216114045	GOWTHAM S	II/IV	/	/	/	/	/	/
22	A	611216114046	GOWTHAMRAJ V S	II/IV	/	/	/	/	/	/
23	C	611216114047	GUNAPRASANTH B	II/IV	/	/	/	/	/	/
24	D	611216114048	HAMANTHRAJ K	II/IV	/	/	/	/	/	/
25	B	611216114056	KARTHI B	II/IV	/	/	/	a	/	/
26	B	611216114059	KARTHICK V	II/IV	/	/	/	/	/	/
27	D	611216114071	LOGESH C	II/IV	/	/	/	/	/	/
28	D	611216114073	MANIKANDAN E	II/IV	/	/	/	/	/	/
29	C	611216114077	MOHANKUMAR L	II/IV	/	/	/	/	/	/
30	C	611216114082	NANDHAKUMAR S	II/IV	/	/	/	/	/	/
31	A	611216114083	NANDHAKUMAR V	II/IV	/	/	/	/	/	/
32	B	611216114084	NANTHAKUMAR D	II/IV	/	/	/	/	/	/
33	B	611216114085	NARENDIRAN S	II/IV	/	/	/	/	/	/
34	D	611216114086	NARESH KUMAR R	II/IV	/	/	/	/	/	/
35	B	611216114090	NAVEENKUMAR L	II/IV	/	/	/	/	/	/
36	D	611216114096	NIRMAL GANESH C	II/IV	/	/	/	/	/	/
37	C	611216114104	PRAKASH S	II/IV	/	/	/	/	/	/
38	D	611216114110	PRAVEEN K M	II/IV	/	/	/	/	/	/
39	B	611216114112	PRAVEEN S (24-11-1998)	II/IV	/	/	/	/	/	/
40	B	611216114117	RAGUL S	II/IV	/	/	/	/	/	/
41	C	611216114123	RAVIBHARATHI P	II/IV	/	/	/	/	/	/
42	B	611216114125	RISHIKARAN S	II/IV	/	/	/	/	/	/
43	C	611216114127	SADHEESH KUMAR N	II/IV	/	/	/	/	/	/
44	C	611216114130	SANTHOSH V	II/IV	/	/	/	/	/	/
45	C	611216114134	SATHEES KUMAR N	II/IV	/	/	/	/	/	/
46	B	611216114139	SHANKAR M	II/IV	/	/	/	/	/	/



47	C	611216114149	SUBASH M	II/IV	/	/	/	/	/	/
48	B	611216114151	SUDHARSHAN V	II/IV	/	/	/	/	/	/
49	C	611216114156	TAMILARASAN R	II/IV	/	/	/	/	/	/
50	C	611216114160	THARUN P	II/IV	/	/	/	/	/	/
51	D	611216114162	VIGNESH M	II/IV	/	/	/	/	/	/
52	B	611216114303	ARUNKUMAR K	II/IV	/	/	/	/	/	/
53	B	611216114304	ARUNKUMAR K	II/IV	/	/	/	/	/	/
54	C	611216114318	GOWTHAM R	II/IV	/	/	a	/	/	/
55	A	611216114327	LOGESH T	II/IV	/	/	/	/	/	/
56	C	611216114332	NANDHA KUMAR M	II/IV	/	/	/	/	/	/
57	C	611216114339	PREM G	II/IV	/	/	/	/	/	/
58	D	611216114349	SUBASH U	II/IV	/	/	/	/	/	/
59	B	611216114352	SURIYAPRAKASH M	II/IV	/	/	/	/	/	/
60	A	611216114701	PREMKUMAR S	II/IV	/	/	/	/	/	/
No. of Students Present					60	59	59	58	60	60
No. of Students Absent					-	01	01	02	-	-
Faculty Signature					<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
					18/01	19/01	20/01	21/01	22/01	23/01

*[Signature]*  
22/01/18  
FACULTY INCHARGE

*[Signature]*  
HOD MECHANICAL

MR. N. LIPAL,  
Knowledge Institute of Technology  
Kakadalayam (PO) Selem - 637 502

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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**IARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**  
**TRAINING ATTENDANCE SHEET (18.01.2018 to 01.02.2018)**

S.NO	SEC	REG. NO	NAME	YEAR	25.01.2018	29.01.2018	30.01.2018	31.01.2018	01.02.2018
1	B	611216114006	ANILGUPTHA C A	II/IV	/	/	/	/	/
2	D	611216114007	ARUN T	II/IV	/	/	/	/	/
3	C	611216114008	ATHISWARAN SM	II/IV	/	/	/	/	/
4	A	611216114010	BHARATH N	II/IV	/	/	/	/	/
5	A	611216114014	CHENNAKRISHNAN C	II/IV	/	/	/	/	/
6	D	611216114017	DHARANI DHARAN S	II/IV	/	/	/	/	/
7	D	611216114019	DHINESH KUMAR T	II/IV	/	/	/	/	/
8	B	611216114025	DINESH C	II/IV	/	/	/	/	/
9	C	611216114027	DINESH M (21-01-1999)	II/IV	/	/	/	/	/
10	A	611216114029	DIVA AHARAN V	II/IV	/	/	/	/	/
11	D	611216114031	DOMINIC SAVIO A	II/IV	/	/	/	/	/
12	C	611216114032	ELANGKUMARAN S	II/IV	/	/	/	/	/
13	B	611216114033	ELANGO S	II/IV	a	/	/	/	/
14	A	611216114034	GIRITHARAN A	II/IV	/	a	/	/	/
15	C	611216114035	GNANASURIYA RAJAN S	II/IV	/	/	/	/	/
16	D	611216114036	GOKUL S	II/IV	/	/	/	/	/
17	A	611216114037	GOKUL T	II/IV	/	/	/	/	/
18	D	611216114039	GOKULPRASANTH M	II/IV	/	/	/	/	/
19	C	611216114041	GOKULRAJAN A J	II/IV	/	/	/	/	/
20	A	611216114044	GOWTHAM R	II/IV	/	/	/	/	/
21	A	611216114045	GOWTHAM S	II/IV	/	/	/	/	/
22	A	611216114046	GOWTHAMRAJ V S	II/IV	/	/	/	a	a
23	C	611216114047	GUNAPRASANTH B	II/IV	/	/	/	/	/
24	D	611216114048	HAMANTHRAJ K	II/IV	/	/	/	/	/
25	B	611216114056	KARTHI B	II/IV	/	/	/	/	/
26	B	611216114059	KARTHICK V	II/IV	/	/	/	/	/
27	D	611216114071	LOGESH C	II/IV	/	/	/	/	/
28	D	611216114073	MANIKANDAN E	II/IV	/	/	/	/	/
29	C	611216114077	MOHANKUMAR L	II/IV	/	/	/	/	/
30	C	611216114082	NANDHAKUMAR S	II/IV	/	/	/	/	/
31	A	611216114083	NANDHAKUMAR V	II/IV	/	/	/	/	/
32	B	611216114084	NANTHAKUMAR D	II/IV	/	/	/	/	/
33	B	611216114085	NARENDIRAN S	II/IV	/	/	/	/	/
34	D	611216114086	NARESH KUMAR R	II/IV	/	/	/	/	/
35	B	611216114090	NAVEENKUMAR L	II/IV	/	/	/	/	/
36	D	611216114096	NIRMAL GANESH C	II/IV	/	/	/	/	/
37	C	611216114104	PRAKASH S	II/IV	/	/	/	/	/
38	D	611216114110	PRAVEEN K M	II/IV	/	/	/	/	/
39	B	611216114112	PRAVEEN S (24-11-1998)	II/IV	/	/	/	/	/
40	B	611216114117	RAGUL S	II/IV	/	/	/	/	/
41	C	611216114123	RAVIBHARATHI P	II/IV	/	/	/	/	/
42	B	611216114125	RISHIKARAN S	II/IV	/	/	/	/	/
43	C	611216114127	SADHEESH KUMAR N	II/IV	/	/	/	/	/







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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

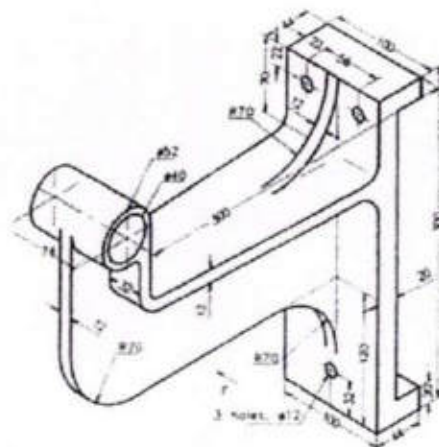
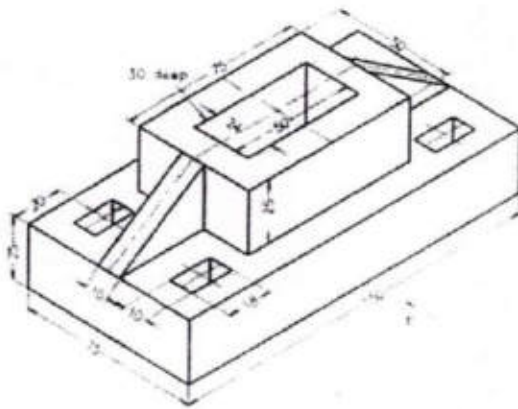
Name: *G. Prem*

Reg. No: *611216114339*

Year/Sem/Sec: *III/IV*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	<i>35</i>
2	PART-B (PART DESIGN)	50	<i>30</i>
TOTAL MARKS		100	<i>65</i>



*6/07/2014*

*Pm*







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**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

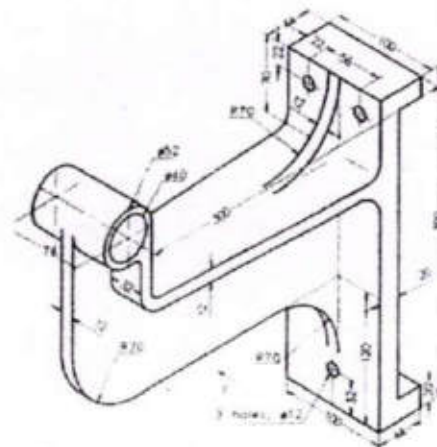
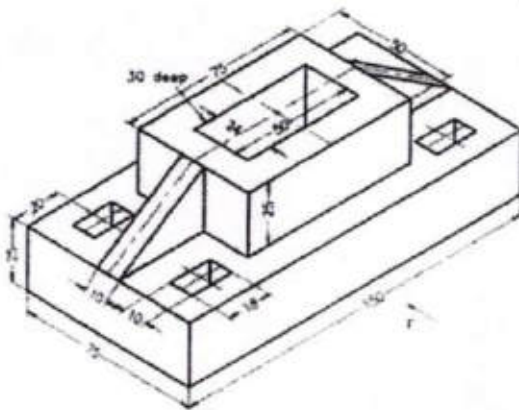
Name: P. Gobal

Reg. No: 61121610487

Year/Sem/Sec: 4/1/5

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	35
2	PART-B (PART DESIGN)	50	30
TOTAL MARKS		100	65



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01/02/18

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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

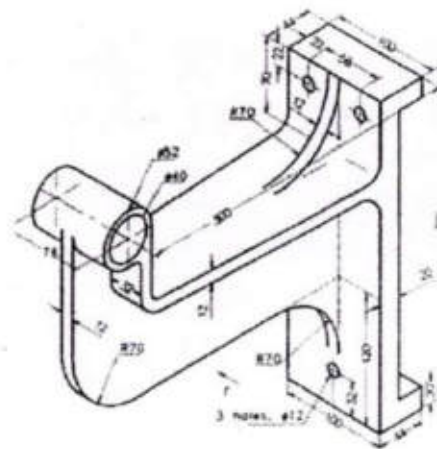
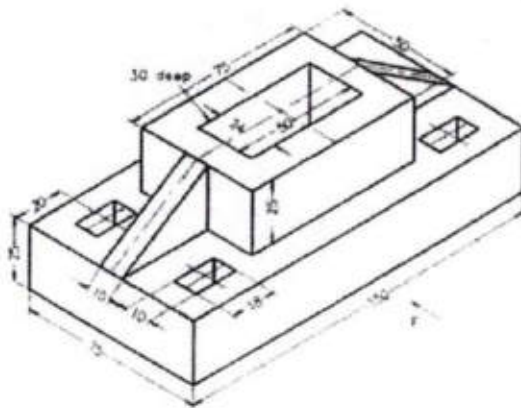
Name: K. Haranthraj

Reg. No: 61216114048

Year/Sem/Sec: II/IV

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	45
2	PART-B (PART DESIGN)	50	45
TOTAL MARKS		100	90



*6/1/02/14*

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**EVALUATION FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using CATIA & NXCAD software**

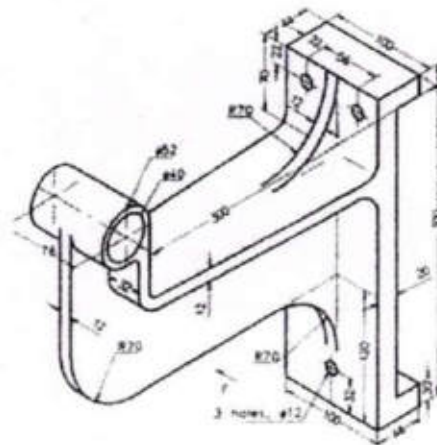
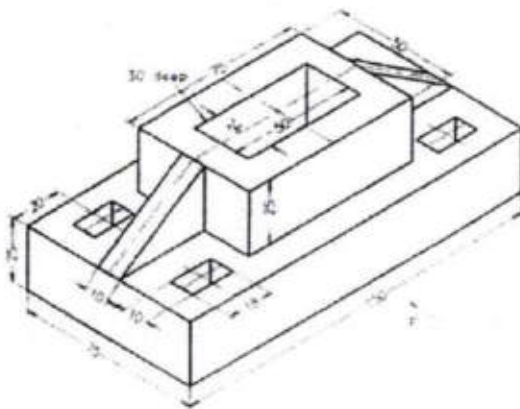
Name: T. Logesh

Reg. No: 611216114327

Year/Sem/Sec: II / IV

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	25
2	PART-B (PART DESIGN)	50	35
TOTAL MARKS		100	55



*2/11/2018*



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**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**

**EVALUATION MARK LIST**

0-1-02-2018

S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	B	611216114006	ANILGUPTHA C A	II/IV	55
2	D	611216114007	ARUN T	II/IV	90
3	C	611216114008	ATHISWARAN SM	II/IV	95
4	A	611216114010	BHARATH N	II/IV	80
5	A	611216114014	CHENNAKRISHNAN C	II/IV	60
6	D	611216114017	DHARANI DHARAN S	II/IV	70
7	D	611216114019	DHINESH KUMAR T	II/IV	80
8	B	611216114025	DINESH C	II/IV	85
9	C	611216114027	DINESH M (21-01-1999)	II/IV	80
10	A	611216114029	DIVAAHARAN V	II/IV	75
11	D	611216114031	DOMINIC SAVIO A	II/IV	65
12	C	611216114032	ELANGKUMARAN S	II/IV	95
13	B	611216114033	ELANGO S	II/IV	75
14	A	611216114034	GIRITHARAN A	II/IV	90
15	C	611216114035	GNANASURIYA RAJAN S	II/IV	65
16	D	611216114036	GOKUL S	II/IV	85
17	A	611216114037	GOKUL T	II/IV	65
18	D	611216114039	GOKULPRASANTH M	II/IV	70
19	C	611216114041	GOKULRAJAN A J	II/IV	85
20	A	611216114044	GOWTHAM R	II/IV	90
21	A	611216114045	GOWTHAM S	II/IV	65
22	A	611216114046	GOWTHAMRAJ V S	II/IV	70
23	C	611216114047	GUNAPRASANTH B	II/IV	75
24	D	611216114048	HAMANTHRAJ K	II/IV	90
25	B	611216114056	KARTHI B	II/IV	55
26	B	611216114059	KARTHICK V	II/IV	50
27	D	611216114071	LOGESH C	II/IV	65
28	D	611216114073	MANIKANDAN E	II/IV	70
29	C	611216114077	MOHANKUMAR L	II/IV	75
30	C	611216114082	NANDHAKUMAR S	II/IV	75
31	A	611216114083	NANDHAKUMAR V	II/IV	90
32	B	611216114084	NANTHAKUMAR D	II/IV	95
33	B	611216114085	NARENDIRAN S	II/IV	85
34	D	611216114086	NARESH KUMAR R	II/IV	60
35	B	611216114090	NAVEENKUMAR L	II/IV	50

36	D	611216114096	NIRMAL GANESH C	II/IV	65
37	C	611216114104	PRAKASH S	II/IV	95
38	D	611216114110	PRAVEEN K M	II/IV	85
39	B	611216114112	PRAVEEN S (24-11-1998)	II/IV	70
40	B	611216114117	RAGUL S	II/IV	65
41	C	611216114123	RAVIBHARATHI P	II/IV	55
42	B	611216114125	RISHIKARAN S	II/IV	50
43	C	611216114127	SADHEESH KUMAR N	II/IV	70
44	C	611216114130	SANTHOSH V	II/IV	75
45	C	611216114134	SATHEES KUMAR N	II/IV	65
46	B	611216114139	SHANKAR M	II/IV	60
47	C	611216114149	SUBASH M	II/IV	85
48	B	611216114151	SUDHARSHAN V	II/IV	90
49	C	611216114156	TAMILARASAN R	II/IV	90
50	C	611216114160	THARUN P	II/IV	90
51	D	611216114162	VIGNESH M	II/IV	75
52	B	611216114303	ARUNKUMAR K	II/IV	85
53	B	611216114304	ARUNKUMAR K	II/IV	50
54	C	611216114318	GOWTHAM R	II/IV	90
55	A	611216114327	LOGESH T	II/IV	55
56	C	611216114332	NANDHA KUMAR M	II/IV	95
57	C	611216114339	PREM G	II/IV	65
58	D	611216114349	SUBASH U	II/IV	65
59	B	611216114352	SURIYAPRAKASH M	II/IV	55
60	A	611216114701	PREMKUMAR S	II/IV	60

*S. S. S. S.*  
FACULTY INCHARGE

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LIMITED**



## ***Certificate of Completion***

This certificate is awarded to

**GOKUL.S (611216114036)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using CATIA software”**

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 604

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



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## ***Certificate of Completion***

This certificate is awarded to  
**ELANGO.S (611216114033)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using CATIA software”**

  
Principal,  
Knowledge Institute of Technology  
Kekkalavam (Po), Salem-637 604

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
Mr. M. Sathyanathan  
Coordinator

  
Dr. K. Visagavel  
HOD/Mechanical

  
Dr. PSS. Srinivasan  
Principal

  
R. Shankarnarayanan  
COO/Harita Techserv Limited





Beyond Knowledge

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## ***Certificate of Completion***

This certificate is awarded to

**CHENNAKRISHNAN.C (611216114014)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using CATIA software”**

**Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India**

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited

  
Principal,  
Knowledge Institute of Technology  
Chakrapalavam (Po), Salem-637 904



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## ***Certificate of Completion***

This certificate is awarded to

**ATHISWARAN.S.M (611216114008)**

In recognition of successful completion of

**“Solid Modeling (Level-1) using CATIA software”**

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited

  
Principal,  
Knowledge Institute of Technology  
K. Anjalavam (Po), Salem-637 504





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## ***Certificate of Completion***


This certificate is awarded to  
**ARUN.T (611216114007)**

  
Principal,  
Knowledge Institute of Technology,  
Karanalavam (Po), Salem-637 604

In recognition of successful completion of

**“Solid Modeling (Level-1) using CATIA software”**

Conducted by “CRCPDT-Harita Techserv Limited” from 18.01.2018 to 01.02.2018  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
HOD/Mechanical

  
**Dr.PSS.Srinivasan**  
Principal

  
**R.Shankarnarayanan**  
COO/Harita Techserv Limited



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

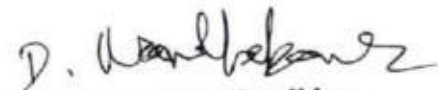
Solid Modeling (Level-1) using NXCAD/CATIA software


Name: D. NANDHAKUMAR

Year/Sem/Sec: I / IV

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5		✓			
2	Sketcher Workbench			✓		
3	Part Modeling	✓				
4	Assembly Design	✓				
5	Course content and Hands on Experience of CATIA V5		✓			
6	Trainer Explanation level about this course		✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓				
8	Overall Experience about this course			✓		

Suggestion for Improvement

  
Signature of the Candidate

  
PRINCIPAL  
Knowledge Institute of Technology  
Vakapalayam (PO) Salem - 637 504





KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NXCAD/CATIA software

Name: NAVEEN KUMAR.L

Year/Sem/Sec: II/IV

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5		✓			
2	Sketcher Workbench	✓				
3	Part Modeling			✓		
4	Assembly Design				✓	
5	Course content and Hands on Experience of CATIA V5		✓			
6	Trainer Explanation level about this course		✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓				
8	Overall Experience about this course		✓			

Suggestion for Improvement

PH. N. LIPAL,  
Knowledge Institute of Technology  
Vakepalavam (PO) Salem - 637 511

L. Naveen Kumar  
Signature of the Candidate



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE


Solid Modeling (Level-1) using NXCAD/CATIA software


Name: S. ELANGO

Year/Sem/Sec: V/V

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5	✓				
2	Sketcher Workbench		✓			
3	Part Modeling			✓		
4	Assembly Design		✓			
5	Course content and Hands on Experience of CATIA V5	✓				
6	Trainer Explanation level about this course	✓				
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings		✓			
8	Overall Experience about this course	✓				

Suggestion for Improvement

  
Signature of the Candidate

  
PRINCIPAL,  
Knowledge Institute of Technology  
Kakopalayam (PO) Salem - 637 504





KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NXCAD/CATIA software

Name: ARUN.T

Year/Sem/Sec: II | IV

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5	✓				
2	Sketcher Workbench		✓			
3	Part Modeling			✓		
4	Assembly Design					
5	Course content and Hands on Experience of CATIA V5				✓	
6	Trainer Explanation level about this course		✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings	✓				
8	Overall Experience about this course		✓			

Suggestion for Improvement

*pm*

PRINCIPAL,  
Knowledge Institute of Technology  
Akopalavam (PO), Salem - 637 504

*T. Dhruv*  
Signature of the Candidate



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
Department Of Mechanical Engineering

**FEEDBACK FORM-CERTIFICATE COURSE**

**Solid Modeling (Level-1) using NXCAD/CATIA software**

Name: V. SANTHOSH

Year/Sem/Sec: 1 / IV

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5		✓			
2	Sketcher Workbench			✓		
3	Part Modeling			✓		
4	Assembly Design				✓	
5	Course content and Hands on Experience of CATIA V5	✓				
6	Trainer Explanation level about this course		✓			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings			✓		
8	Overall Experience about this course		✓			

Suggestion for Improvement

*pm*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kakopalavam (PO) Salem - 637 504

*V. Santosh*  
Signature of the Candidate





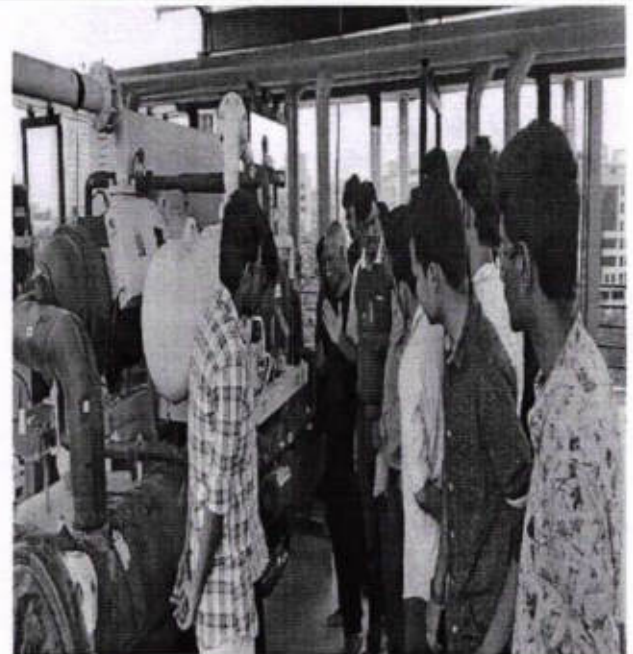
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**637504**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**REPORT OF THE EVENT (Module:4)**

<b>Date</b> :	02.01.2018 to 28.01.2018	<b>Resource person</b> :	<b>Mr.J.Ramesh, Mr.S.Rajesh &amp; Mr.S.Surendar</b> Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time</b> :	9.00 am to 5.00 pm	<b>Title</b> :	<b>Cost Estimation for a Specific Project</b>
<b>Venue</b> :	Sri sathya sai hospital, Whitefield, Bengaluru AIRCON solutions, Whitefield, Bengaluru.	<b>No. of Participants</b> :	92



**Encl: Circular / Brochure / Attendance Sheet**

*pm*  
Principal,

Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 604.



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SALEM-637 504



International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

<b>Circular No.</b>	KIOT/MECH/IAPMO/2017-18/04	<b>Date</b>	20.12.2017
<b>To</b>	All Faculty & Final year students of Mechanical Engineering		
<b>Sub</b>	Cost Estimation for a Specific Project System - IAPMO – Certification Course:		

We have planned to conduct, HVAC Training on **Cost Estimation for a Specific Project System** from 02.01.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).

Venue: A302, A303, A304.


Time: 05.00pm to 07.00pm

**Encl:** Name list of shortlisted students.

  
20/12/2017  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

  
Principal,  
Knowledge Institute of Technology,  
Chakkoalavam (Po), Salem-637 504.



From

S.Surendar,  
Assistant Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem.

**Through: Head of the Department, Department of Mechanical Engineering**

Respected Sir,

**Sub: Cost Estimation for a Specific Project System –regarding**


We have planned to conduct, HVAC Training on **Cost Estimation for a Specific Project System** from 02.01.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place:Salem

Date:20.12.2017

  
(Mod/mech)

Yours Faithfully

  
20/12/2017  
S.Surendar AP/Mech

  
Principal,  
Knowledge Institute of Technology,  
Salem (Po), Salem-637 504.

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- A (2014-2018) AY: 2017-18**  
**STUDENT NAME LIST**

Year/Sem:IV/VII


Date: 02.08.2017

S.No.	Register Number	Student Name	Remarks
1.	611214114001	AJEETH.L	
2.	611214114002	AJITH KUMAR.J	
3.	611214114005	ANAND.S	
4.	611214114007	ARAVIND T	
5.	611214114008	ARAVIND V	
6.	611214114009	ARAVINTHKUMAR V	
7.	611214114010	ARIVARASAN S	
8.	611214114012	ARUNACHALAM T	
9.	611214114013	ARUNPRAKASH M	
10.	611214114014	ASHWIN.K	
11.	611214114015	ASRAR AHAMED N	
12.	611214114016	AZURUDDIN.S	
13.	611214114018	BALAJI.K	
14.	611214114020	BALAJI VIGNESH T	
15.	611214114023	BOOPATHY.A	
16.	611214114025	DEEPAN CHAKRAVARTHY.P	
17.	611214114026	DHARANIDHARAN V R	
18.	611214114029	DINESH.C	
19.	611214114030	DINESH.G	
20.	611214114032	DINESHKUMAR.R	
21.	611214114043	GOKULRAJ.G	
22.	611214114050	GOPI.S	
23.	611214114062	HARI PRAKASH N	
24.	611214114065	JAMBUKESHWARAN S	
25.	611214114066	JEEVA S	
26.	611214114068	JEEVANANTHAN C	
27.	611214114069	KANNAN.K.S	
28.	611214114074	KARTHIK V	
29.	611214114075	KARTHIKEYAN P	
30.	611214114080	KATHIRESAN.M	

  
 02/08/2017  
 FACULTY I/C

  
 HOD/MECH

  
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 Kakapalayam (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- B (2014-2018) AY: 2017-18**  
**STUDENT NAME LIST**

Year/Sem:IV/VII

Date: 02.08.2017

S.No.	Register Number	Student Name	Remarks
1.	611214114080	KATHIRESAN.N	
2.	611214114084	KIRUBHA SANKAR.B	
3.	611214114085	KIRUPAKARAN.S	
4.	611214114086	KRISHNA MURTHIJ	
5.	611214114090	LOGANATHAN A	
6.	611214114091	LOGESH.L.C	
7.	611214114092	MALATHI S K	
8.	611214114094	MANIKANDAN.A	
9.	611214114098	MANIKANDAN S	
10.	611214114099	MANIMARAN A	
11.	611214114100	MANIRATHINAM P	
12.	611214114104	MANOJS	
13.	611214114105	MANOJ KUMAR R	
14.	611214114107	MEIYAZHAGAN.G	
15.	611214114108	MITHUN PRASANTH R	
16.	611214114112	MOHAN RAJA	
17.	611214114113	MOHAN RAJ N	
18.	611214114114	MOHIT.S	
19.	611214114115	MOULEESWARAN.S	
20.	611214114116	MURALI S	
21.	611214114118	MUTHUSURESH S	
22.	611214114121	NATARAJAN M	
23.	611214114122	NAVEEN M	
24.	611214114126	NETHAJI.D	
25.	611214114127	NITHISH KUMAR.S	
26.	611214114128	NIKIL S	
27.	611214114131	PASUPATHI. S	
28.	611214114132	PRABHU.N	
29.	611214114134	PRADEEP KUMAR.S	
30.	611214114135	PRADHAP RAJ S	
31.	611214114137	PRAKAASHINI S	

  
**FACULTY I/C**

  
**HOD/MECH**

  
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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- C (2014-2018) AY: 2017-18**  
**STUDENT NAME LIST**

Year/Sem:IV/VII

Date: 02.08.2017

S.No.	Register Number	Student Name	Remarks
1.	611214114138	PRAKASHJ	
2.	611214114139	PRASANTHA	
3.	611214114140	PRAVEEN M	
4.	611214114142	PREM KUMAR R	
5.	611214114143	PREMNATH R	
6.	611214114144	PRIYADARSHINI.M	
7.	611214114147	RAGUL.G	
8.	611214114150	RAJESH R	
9.	611214114157	SANJAAY S	
10.	611214114162	SARAVANAN K	
11.	611214114301	AJAY.B	
12.	611214114304	AYYAPPAN R	
13.	611214114305	BALAMANEKANDAN R	
14.	611214114306	BALAMURUGAN S	
15.	611214114308	BOOPATHI RAJAN.V	
16.	611214114312	GOWTHAM .N	
17.	611214114313	GUNASEKARAN.G	
18.	611214114316	KALEESHWARAN M	
19.	611214114317	KARAN S	
20.	611214114319	KARTHIK KANNAN.N.G	
21.	611214114320	KAVIN VENKATACHALAM	
22.	611214114322	MALARAVAN G	
23.	611214114323	MANIKANDAN M	
24.	611214114324	MANOJKUMAR P	
25.	611214114325	MEGANATHAN S	
26.	611214114328	NAVEEN KUMAR K K	
27.	611214114329	NESHARAJA M	
28.	611214114331	PARTHIBAN.M	
29.	611214114332	PRADEEP S	
30.	611214114337	SAKTHIVEL T	
31.	611214114701	ABIRAMI.G	



  
 02/08/2017  
 FACULTY I/C

  
 HOD/MECH

  
 PRINCIPAL

  
 Principal,  
 Knowledge Institute of Technology,  
 Kanolevam (Po), Salem-637 504.



KNOWLEDGE INSTITUTE OF TECHNOLOGY				
Department of Mechanical Engineering				
Course Plan (2018 Batch)				
A.Y:2017-18				Date:31.07.2017
Name of the COE		IAPMO-India – KIOT, Centre of Excellence		
Name of the Course		HVAC Design and Project Installation Engineer	Semester	07 & 08
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Ducting Design for all air HVAC system	Air terminal selection, Cold storage selection, Selection of Materials of Ducts, Primary and secondary pump selections Duct material selection, Selection of cooling tower Selection of Chillers, AHU and FCU classification and selection.	Mr.J.Ramesh, Mr.R.Isaac & Mr.S.Rajesh.	30	
Cost Estimation for a Specific Project	Calculate Plant Tonnage, Develop Vendor Short List, Obtain Chiller Bid, Adjust for Other First-Cost Impacts, Estimate Utility Costs, Estimate Maintenance Costs, Calculate Life-cycle Costs, Final Chiller Selection	Mr.R.Isaac Mr.J.Ramesh & Mr.S.Surendar.	30	
Total No.of Hours			60	

Detailed Execution Plan					
Name of the Course Module: 3.Ducting Design for all air HVAC system					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3.1	Orientation of Building	2	-	-	Day 1
3.2	Orientation of Building	1	-	1	Day 2
3.3	To Read Latitude & Location of building	2	-	-	Day 3
3.4	Difference for wall, glass, Roof and Partition	1	-	1	Day 4
3.5	Cooling and Heat Load Calculation	2	-	-	Day 5
3.6	Cooling and Heat Load Calculation	2	-	-	Day 6
3.7	Cooling and Heat Load Calculation	1	-	1	Day 7
3.8	Calculation of sensible Heat Factor	2	-	-	Day 8
3.9	Calculation of sensible Heat Factor	2	-	-	Day 9
3.10	ADP and Dehumidified CFM	2	-	-	Day 10



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Knowledge Institute of Technology,  
Kagalavam (Po), Salem-637 504.

3.11	ADP and Dehumidified CFM	1	-	1	Day 11
3.12	Chilled water system & Equipment Selection	2	-	-	Day 12
3.13	Chilled water system & Equipment Selection	1	-	1	Day 13
3.14	Study & Preparation of Floor Drawings Roof Drawings	2	-	-	Day 14
3.15	Study & Preparation of Floor Drawings Roof Drawings	1	-	1	Day 15

Detailed Execution Plan					
Name of the Course Module: 4. Cost Estimation for a Specific Project					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4.1	Calculate Plant Tonnage	2	-	-	Day 1
4.2	Calculate Plant Tonnage	2	-	-	Day 2
4.3	Calculate Plant Tonnage	1	-	1	Day 3
4.4	Develop Vendor Short List	2	-	-	Day 4
4.5	Develop Vendor Short List	2	-	-	Day 5
4.6	Obtain Chiller Bids	2	-	-	Day 6
4.7	Obtain Chiller Bids	1	-	1	Day 7
4.8	Adjust for Other First-Cost Impacts	2	-	-	Day 8
4.9	Adjust for Other First-Cost Impacts	1	-	1	Day 9
4.10	Estimate Utility Costs	2	-	-	Day 10
4.11	Estimate Utility Costs	2	-	-	Day 11
4.12	Estimate Maintenance Costs	2	-	-	Day 12
4.13	Estimate Maintenance Costs	1	-	1	Day 13
4.14	Final Chiller Selection	2	-	-	Day 14
4.15	Final Chiller Selection	1	-	1	Day 15

  
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# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM-637504

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING


BATCH-2014-18

## COST ESTIMATION FOR A SPECIFIC PROJECT SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / Even / A

Date: 24.01.2018

S.No	Reg.No	Name of the student	Year / Sem	Attendance															
				02.01.2018	03.01.2018	04.01.2018	05.01.2018	08.01.2018	09.01.2018	10.01.2018	11.01.2018	12.01.2018	17.01.2018	18.01.2018	19.01.2018	22.01.2018	23.01.2018	24.01.2018	
1.	611214114001	AJEETH L	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
2.	611214114002	AJITH KUMAR J	IV / VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	
3.	611214114005	ANAND S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
4.	611214114007	ARAVIND T	IV / VIII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	
5.	611214114008	ARAVIND V	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
6.	611214114009	ARAVINTHKUMAR V	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
7.	611214114010	ARIVARASAN S	IV / VIII	/	/	/	/	a	/	/	/	/	/	/	/	a	/	/	
8.	611214114012	ARUNACHALAM T	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
9.	611214114013	ARUNPRAKASH M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
10.	611214114014	ASHWIN.K	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
11.	611214114015	ASRAR AHAMED N	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
12.	611214114016	AZURUDDIN.S	IV / VIII	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/	
13.	611214114018	BALAJI K	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
14.	611214114020	BALAJI VIGNESH T	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a	
15.	611214114023	BOOPATHY A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	

  
 Principal,  
 Knowledge Institute of Technology,  
 (P.O), Salem-637 504.

16.	611214114025	DEEPAN	IV / VII <sup>a</sup>	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
17.	611214114026	DHARANIDHARAN V R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
18.	611214114029	DINESH C	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
19.	611214114030	DINESH G	IV / VIII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	
20.	611214114032	DINESHKUMAR R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
21.	611214114043	GOKULRAJ G	IV / VIII	/	/	/	/	/	/	/	/	/	/	a	/	/	/	
22.	611214114050	GOPI S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
23.	611214114062	HARI PRAKASH N	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
24.	611214114065	JAMBUKESHWARAN S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
25.	611214114066	JEEVA S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
26.	611214114068	JEEVANANTHAN C	IV / VIII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	
27.	611214114069	KANNAN K.S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
28.	611214114074	KARTHIK V	IV / VIII	/	/	a	/	/	/	/	/	/	/	/	/	/	/	
29.	611214114075	KARTHIKEYAN P	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
30.	611214114080	KATHIRESAN M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	
No. of Students Present				30	29	29	30	29	29	30	29	29	30	29	29	29	30	28
No. of Students Absent				NIL	01	01	NIL	01	01	NIL	01	01	NIL	01	01	01	NIL	02
Faculty Signature																		

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# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM-637504

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH- 2014-18

## COST ESTIMATION FOR A SPECIFIC PROJECT SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / Even / B

Date: 24.01.2018

S.No	Reg.No	Name of the student	Year / Sem	02.01.2018	03.01.2018	04.01.2018	05.01.2018	08.01.2018	09.01.2018	10.01.2018	11.01.2018	12.01.2018	17.01.2018	18.01.2018	19.01.2018	22.01.2018	23.01.2018	24.01.2018
1.	611214114081	KATHIRESAN N	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611214114084	KIRUBHA SANKAR B	IV / VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611214114085	KIRUPAKARAN S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611214114086	KRISHNA MURTHI J	IV / VIII	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/
5.	611214114090	LOGANATHAN A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611214114091	LOGESH L.C	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611214114092	MALATHI S K	IV / VIII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
8.	611214114094	MANIKANDAN A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	611214114098	MANIKANDAN S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611214114099	MANIMARAN A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611214114100	MANIRATHINAM P	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	a	/	/	/
12.	611214114104	MANOJ S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611214114105	MANOJ KUMAR R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	611214114107	MEIYAZHAGAN G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
15.	611214114108	MITHUN PRASANTH R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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16.	611214114112	MOHAN RAJ A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
17.	611214114113	MOHAN RAJ N	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
18.	611214114114	MOHIT S	IV / VIII	/	/	/	/	/	a	/	/	/	/	/	/	/	/	
19.	611214114115	MOULEESWARAN S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
20.	611214114116	MURALI S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
21.	611214114118	MUTHUSURESH S	IV / VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	
22.	611214114121	NATARAJAN M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	a	/	
23.	611214114122	NAVEEN M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
24.	611214114126	NETHAJI D	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
25.	611214114127	NITHISH KUMAR S	IV / VIII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	
26.	611214114128	NIKIL S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
27.	611214114131	PASUPATHI S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
28.	611214114132	PRABHU N	IV / VIII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	
29.	611214114134	PRADEEP KUMAR S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
30.	611214114135	PRADHAP RAJ S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
31.	611214114137	PRAKAASHINI S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
No. of Students Present				31	29	31	31	30	29	31	31	29	31	31	30	30	30	30
No. of Students Absent				NIL	02	NIL	NIL	01	02	NIL	NIL	02	NIL	NIL	01	01	01	01
Faculty Signature				<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

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DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2014-18

## COST ESTIMATION FOR A SPECIFIC PROJECT SYSTEM - TRAINING ATTENDANCE

Academic Year/ Sem / Sec: 2017-18 / Even / C














Date: 24.01.2018

Sl.N	Reg.No	Name of the student	Year / Sem	02.01.2018	03.01.2018	04.01.2018	05.01.2018	08.01.2018	09.01.2018	10.01.2018	11.01.2018	12.01.2018	17.01.2018	18.01.2018	19.01.2018	22.01.2018	23.01.2018	24.01.2018
1.	611214114138	PRAKASH J	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611214114139	PRASANTH A	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611214114140	PRAVEEN M	IV / VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/
4.	611214114142	PREM KUMAR R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	611214114143	PREMNATH R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611214114144	PRIYADARSHINI M	IV / VIII	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/
7.	611214114147	RAGUL G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611214114150	RAJESH R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	611214114157	SANJAAY S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611214114162	SARAVANAN K	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611214114301	AJAY B	IV / VIII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
12.	611214114304	AYYAPPAN R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611214114305	BALAMANEKANDAN R	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	611214114306	BALAMURUGAN S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	611214114308	BOOPATHI RAJAN V	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/

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16.	611214114312	GOWTHAM N	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611214114313	GUNASEKARAN G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611214114316	KALEESHWARAN M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114317	KARAN S	IV / VIII	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/
20.	611214114319	KARTHIK KANNAN N.G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611214114320	KAVIN	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611214114322	MALARAVAN G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611214114323	MANIKANDAN M	IV / VIII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
24.	611214114324	MANOJKUMAR P	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611214114325	MEGANATHAN S	IV / VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114328	NAVEEN KUMAR K K	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611214114329	NESHARAJA M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114331	PARTHIBAN M	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114332	PRADEEP S	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114337	SAKTHIVEL T	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
31.	611214114701	ABIRAMI G	IV / VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
No. of Students Present				31	29	31	30	31	31	30	30	31	30	31	31	29	30	30
No. of Students Absent				NIL	02	NIL	01	NIL	NIL	01	01	NIL	01	NIL	NIL	02	01	01
Faculty Signature																		

  
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# KNOWLEDGE INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Cost Estimation for a Specific Project				
Name of the Student	A Jay. B				
Register No	6124112301				
Date	25/01/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	45		FOUR FIVE		

### ANSWER ALL THE QUESTIONS-(50X01=50)

- To make out an estimate for a work the following data are necessary-Drawing, Specification and  
a) materials      b) rates      c) labours      d) transportation
- \_\_\_\_\_ is required for preliminary studies of various aspects of a work or project.  
a) Supplementary Estimate    b) Plinth Area Estimate    c) Revised Estimate    d) Abstract Estimate
- Approximate cost of a hostel building for 100 students's @Rs.10000/- per student works out as Rs. 10 lakhs.  
a) True      b) False
- Per kilometre basis depending on the nature of road, for 10 km of a state highway approx. cost @ Rs. 50000/- per 1 km works out as Rs. 5 lakh.  
a) True      b) False
- The approx. cost of 10 km length of irrigation channel of 3 cu m per sec. capacity @ Rs.70000/- per km works out as Rs.7 lakh.    a) True      b) False
- Approx. cost of a bridge of 3 spans of 50 m each span @Rs.30000/- per running m of span comes to  $3 \times 50 \times 30000 =$  Rs. 45 lakhs.    a) True      b) False
- Approximate cost of sewerage project for a population of one lakh @ Rs. 10/- head works out as Rs. 10 lakh.    a) True      b) False
- Cube rate estimate is less accurate as compared to the plinth area estimate as the height of the building is also compared.    a) False      b) True
- Cube rate estimate is less accurate as compared to the plinth area estimate as the height of the building is also compared.    a) False      b) True
- \_\_\_\_\_ is prepared on the basis of plinth area of building, the rate being deducted from the cost of similar building having similar specification, heights and construction, in the locality.  
a) Cube Rate Estimate      b) Supplementary Estimate  
c) Maintenance Estimate      d) Plinth Area Estimate
- \_\_\_\_\_ is the amount provided in the estimate and bill of quantities for some specialised work to be done by a specialised firm; whose details are not known at the time of preparing estimate.  
a) Prime cost    b) Provisional sum    c) Capital cost    d) Building cost index
- In this method approx. total length of walls is found in running metre and this total length multiplied by the rate per running metre of wall gives a fairly accurate cost.  
a) Annual repair    b) Item rate estimate    c) Approximate quantity method estimate  
d) Cubical content estimate
- \_\_\_\_\_ Estimate is a detailed estimate and is prepared to maintain the structure or work in proper order and safe condition.  
a) Supplementary and revised estimate    b) Maintenance estimate    c) Item rate estimate  
d) Revised estimate
- A large work or project may consists of several building or small works and each of these work is known as \_\_\_\_\_.  
a) sub-work    b) sub-project    c) sub-head    d) sub-construction
- The term \_\_\_\_\_ is used to denote a procedure of costing or valuing an item of work on the basis of actual labourers and materials required.  
a) prime cost    b) hour-work    c) day-work    d) sub-work
- In a reversed Brayton cycle, the heat is absorbed by the air during

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- (A) Isentropic compression process      ~~(B)~~ Constant pressure cooling process  
 (C) Isentropic expansion process      (D) Constant pressure expansion process
17. Wet bulb temperature is the temperature of air recorded by a thermometer, when  
 (A) It is not affected by the moisture present in the air  
 (B) Its bulb is surrounded by a wet cloth exposed to the air  
~~(C)~~ The moisture present in it begins to condense  
 (D) None of the above
18. The difference between dry bulb temperature and dew point temperature, is called  
 (A) Dry bulb depression      ~~(B)~~ Wet bulb depression  
 (C) Dew point depression      (D) Degree of saturation
19. In mechanical refrigeration system, the refrigerant has the maximum temperature  
 (A) In evaporator      ~~(B)~~ Before expansion valve  
 (C) Between compressor and condenser      (D) Between condenser and evaporator
20. The central air conditioning system has \_\_\_\_\_ overall efficiency as compared to individual systems.  
 (A) Same      ~~(B)~~ Lower      (C) Higher      (D) None of these
21. Moisture should be removed from refrigerants to avoid  
 (A) Freezing at the expansion valve      ~~(B)~~ Restriction to refrigerant flow  
 (C) Corrosion of steel plates      (D) All of these
22. The specific humidity during humidification process  
 (A) Remains constant      ~~(B)~~ Increases      (C) Decreases      (D) None of these
23. During a refrigeration cycle, heat is rejected by the refrigerant in a  
 (A) Compressor      (B) Condenser      ~~(C)~~ Evaporator      (D) Expansion valve
24. In a vapour compression system, the condition of refrigerant is dry saturated vapour  
 (A) Before entering the compressor      (B) After leaving the compressor  
 (C) Before entering the condenser      ~~(D)~~ After leaving the condenser
25. During sensible cooling of air, specific humidity  
 (A) Remains constant      ~~(B)~~ Increases      (C) Decreases      (D) None of these
26. In a psychrometric chart, specific humidity (moisture content) lines are  
 (A) Vertical and uniformly spaced      ~~(B)~~ Horizontal and uniformly spaced  
 (C) Horizontal and non-uniformly spaced      (D) Curved lines
27. The horizontal and non-uniformly spaced lines on a psychrometric chart indicates  
~~(A)~~ Dry bulb temperature      (B) Wet bulb temperature  
 (C) Dew point temperature      (D) Specific humidity
28. In a vapour compression refrigeration system, a throttle valve is used in place of an expander because  
~~(A)~~ It considerably reduces mass of the system      (B) It improves the C.O.P., as the condenser is small  
 (C) The positive work in isentropic expansion of liquid is very small      (D) It leads to significant cost Reduction
29. Unit of thermal conductivity in M.K.S. units is  
 (A)  $K \text{ cal/kg m}^2 \text{ }^\circ\text{C}$       (B)  $K \text{ cal m/hr m}^2 \text{ }^\circ\text{C}$       ~~(C)~~  $K \text{ cal/hr m}^2 \text{ }^\circ\text{C}$       (D)  $K \text{ calm/hr }^\circ\text{C}$
30. Thermal diffusivity is a  
 (A) Function of temperature      ~~(B)~~ Physical property of a substance  
 (C) Dimensionless parameter      (D) All of these
31. Unit of thermal conductivity in S.I. units is  
~~(A)~~  $\text{J/m}^2 \text{ sec}$       (B)  $\text{J/m }^\circ\text{K sec}$       (C)  $\text{W/m }^\circ\text{K}$       (D) Option (B) and (C) above.
32. Which of the following statement is wrong?  
~~(A)~~ The heat transfer in liquid and gases takes place according to convection  
 (B) The amount of heat flow through a body is dependent upon the material of the body  
 (C) The thermal conductivity of solid metals increases with rise in temperature  
 (D) Logarithmic mean temperature difference is not equal to the arithmetic mean temperature difference
33. Thermal conductivity of solid metals with rise in temperature normally  
 (A) Increases      (B) Decreases      ~~(C)~~ Remain constant  
 (D) May increase or decrease depending on temperature
34. In free convection heat transfer transition from laminar to turbulent flow is governed by the critical value of the  
 (A) Reynold's number      (B) Grashoff's number      ~~(C)~~ Reynold's number, Grashoff's number



- (D) Prandtl number, Grashoff's number
35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature  
 (A) Increases (B) Decreases (C) Remain constant  
 (D) May increase or decrease depending on temperature
36. According to Dalton's law of partial pressures, (where  $p_b$  = Barometric pressure,  $p_a$  = Partial pressure of dry air, and  $p_v$  = Partial pressure of water vapour)  
 (A)  $p_b = p_a - p_v$  (B)  $p_b = p_a + p_v$  (C)  $p_b = p_a \times p_v$  (D)  $p_b = p_a/p_v$
37. Heat transfer takes place as per  
 (A) Zeroth law of thermodynamics (B) First law of thermodynamics  
 (C) Second law of thermodynamics (D) Kirchaffs Law
38. The heat transfer by conduction through a thick sphere is given by  
 (A)  $Q = 2\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (B)  $Q = 4\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$   
 (C)  $Q = 6\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (D)  $Q = 8\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$
39. When heat is transferred from one particle of hot body to another by actual motion of the heated particles, it is referred to as heat transfer by  
 (A) Conduction (B) Convection (C) Radiation (D) Conduction and convection
40. Fourier's law of heat conduction is (where  $Q$  = Amount of heat flow through the body in unit time,  $A$  = Surface area of heat flow, taken at right angles to the direction of heat flow,  $dT$  = Temperature difference on the two faces of the body,  $dx$  = Thickness of the body, through which the heat flows, taken along the direction of heat flow, and  $k$  = Thermal conductivity of the body)  
 (A)  $k \cdot A \cdot (dT/dx)$  (B)  $k \cdot A \cdot (dx/dT)$  (C)  $k \cdot (dT/dx)$  (D)  $k \cdot (dx/dT)$
41. When the temperatures of a structure both inside and outside are equal, there is \_\_\_\_\_.  
 a. no heat transfer b. latent heat transfer to the outside  
 c. thermal heat transfer of sensible heat d. a lower rate of relative humidity
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 b. The amount of carbon dioxide that is produced to support your lifestyle.  
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# KNOWLEDGE INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Cost Estimation for a Specific Project				
Name of the Student	KARAN S				
Register No	611214114317				
Date	25/1/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	45		FOUR FIVE		

### ANSWER ALL THE QUESTIONS-(50X01=50)


- To make out an estimate for a work the following data are necessary-Drawing, Specification and  
a) materials      b) rates      c) labours      d) transportation
- \_\_\_\_\_ is required for preliminary studies of various aspects of a work or project.  
a) Supplementary Estimate    b) Plinth Area Estimate    c) Revised Estimate    d) Abstract Estimate
- Approximate cost of a hostel building for 100 students's @Rs.10000/- per student works out as Rs. 10 lakhs.  
a) True      b) False
- Per kilometre basis depending on the nature of road, for 10 km of a state highway approx. cost @ Rs. 50000/- per 1 km works out as Rs. 5 lakh.  
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- Approximate cost of sewerage project for a population of one lakh @ Rs. 10/- head works out as Rs. 10 lakh.    a) True      b) False
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- \_\_\_\_\_ is prepared on the basis of plinth area of building, the rate being deducted from the cost of similar building having similar specification, heights and construction, in the locality.  
a) Cube Rate Estimate      b) Supplementary Estimate  
c) Maintenance Estimate      d) Plinth Area Estimate
- \_\_\_\_\_ is the amount provided in the estimate and bill of quantities for some specialised work to be done by a specialised firm; whose details are not known at the time of preparing estimate.  
a) Prime cost    b) Provisional sum    c) Capital cost    d) Building cost index
- In this method approx. total length of walls is found in running metre and this total length multiplied by the rate per running metre of wall gives a fairly accurate cost.  
a) Annual repair    b) Item rate estimate    c) Approximate quantity method estimate  
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- \_\_\_\_\_ Estimate is a detailed estimate and is prepared to maintain the structure or work in proper order and safe condition.  
a) Supplementary and revised estimate    b) Maintenance estimate    c) Item rate estimate  
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- A large work or project may consists of several building or small works and each of these work is known as \_\_\_\_\_.  
a) sub-work    b) sub-project    c) sub-head    d) sub-construction
- The term \_\_\_\_\_ is used to denote a procedure of costing or valuing an item of work on the basis of actual labourers and materials required.  
a) prime cost    b) hour-work    c) day-work    d) sub-work
- In a reversed Brayton cycle, the heat is absorbed by the air during



- (A) Isentropic compression process (B) Constant pressure cooling process  
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17. Wet bulb temperature is the temperature of air recorded by a thermometer, when  
(A) It is not affected by the moisture present in the air  
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26. In a psychrometric chart, specific humidity (moisture content) lines are  
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29. Unit of thermal conductivity in M.K.S. units is  
(A)  $K \text{ cal/kg m}^2 \text{ }^\circ\text{C}$  (B)  $K \text{ cal m/hr m}^2 \text{ }^\circ\text{C}$  (C)  $K \text{ cal/hr m}^2 \text{ }^\circ\text{C}$  (D)  $K \text{ calm/hr }^\circ\text{C}$
30. Thermal diffusivity is a  
(A) Function of temperature (B) Physical property of a substance  
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(A)  $\text{J/m}^2 \text{ sec}$  (B)  $\text{J/m }^\circ\text{K sec}$  (C)  $\text{W/m }^\circ\text{K}$  (D) Option (B) and (C) above.
32. Which of the following statement is wrong?  
(A) The heat transfer in liquid and gases takes place according to convection  
(B) The amount of heat flow through a body is dependent upon the material of the body  
(C) The thermal conductivity of solid metals increases with rise in temperature  
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33. Thermal conductivity of solid metals with rise in temperature normally  
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35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature  
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36. According to Dalton's law of partial pressures, (where  $p_b$  = Barometric pressure,  $p_a$  = Partial pressure of dry air, and  $p_v$  = Partial pressure of water vapour)  
 (A)  $p_b = p_a - p_v$  (B)  $p_b = p_a + p_v$  (C)  $p_b = p_a \times p_v$  (D)  $p_b = p_a/p_v$
37. Heat transfer takes place as per  
 (A) Zeroth law of thermodynamics (B) First law of thermodynamics  
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38. The heat transfer by conduction through a thick sphere is given by  
 (A)  $Q = 2\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (B)  $Q = 4\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$   
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39. When heat is transferred from one particle of hot body to another by actual motion of the heated particles, it is referred to as heat transfer by  
 (A) Conduction (B) Convection (C) Radiation (D) Conduction and convection
40. Fourier's law of heat conduction is (where  $Q$  = Amount of heat flow through the body in unit time,  $A$  = Surface area of heat flow, taken at right angles to the direction of heat flow,  $dT$  = Temperature difference on the two faces of the body,  $dx$  = Thickness of the body, through which the heat flows, taken along the direction of heat flow, and  $k$  = Thermal conductivity of the body)  
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DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Cost Estimation for a Specific Project				
Name of the Student	NESHARAJA M				
Register No	611214114329				
Date	25/01/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	40		FOUR ZERO		

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## DEPARTMENT OF MECHANICAL ENGINEERING

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Cost Estimation for a Specific Project		
Name of the Student	PRAVASH J		
Register No	61216114138		
Date	25.01.2018	Duration	60 Minutes
Faculty Name	Marks Awarded		Max.Marks 50
Faculty Signature	43		FOUR THREE

ANSWER ALL THE QUESTIONS-(50X01=50)

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 (C) Isentropic expansion process (D) Constant pressure expansion process
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 (A) Same (B) Lower (C) Higher (D) None of these
21. Moisture should be removed from refrigerants to avoid  
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 (C) Corrosion of steel plates (D) All of these
22. The specific humidity during humidification process  
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23. During a refrigeration cycle, heat is rejected by the refrigerant in a  
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24. In a vapour compression system, the condition of refrigerant is dry saturated vapour  
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25. During sensible cooling of air, specific humidity  
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26. In a psychrometric chart, specific humidity (moisture content) lines are  
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27. The horizontal and non-uniformly spaced lines on a psychrometric chart indicates  
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 (C) The positive work in isentropic expansion of liquid is very small (D) It leads to significant cost Reduction
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 (A)  $K \text{ cal/kg m}^2 \text{ }^\circ\text{C}$  (B)  $K \text{ cal m/hr m}^2 \text{ }^\circ\text{C}$  (C)  $K \text{ cal/hr m}^2 \text{ }^\circ\text{C}$  (D)  $K \text{ calm/hr }^\circ\text{C}$
30. Thermal diffusivity is a  
 (A) Function of temperature (B) Physical property of a substance  
 (C) Dimensionless parameter (D) All of these
31. Unit of thermal conductivity in S.I. units is  
 (A)  $\text{J/m}^2 \text{ sec}$  (B)  $\text{J/m }^\circ\text{K sec}$  (C)  $\text{W/m }^\circ\text{K}$  (D) Option (B) and (C) above.
32. Which of the following statement is wrong?  
 (A) The heat transfer in liquid and gases takes place according to convection  
 (B) The amount of heat flow through a body is dependent upon the material of the body  
 (C) The thermal conductivity of solid metals increases with rise in temperature  
 (D) Logarithmic mean temperature difference is not equal to the arithmetic mean temperature difference
33. Thermal conductivity of solid metals with rise in temperature normally  
 (A) Increases (B) Decreases (C) Remain constant  
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34. In free convection heat transfer transition from laminar to turbulent flow is governed by the critical value of the  
 (A) Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's number

- (D) Prandtl number, Grashoff's number
35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature  
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 (D) May increase or decrease depending on temperature
36. According to Dalton's law of partial pressures, (where  $p_b$  = Barometric pressure,  $p_a$  = Partial pressure of dry air, and  $p_v$  = Partial pressure of water vapour)  
 (A)  $P_b = p_a - p_v$  ~~(B)  $P_b = p_a + p_v$~~  (C)  $P_b = p_a \times p_v$  (D)  $P_b = p_a/p_v$
37. Heat transfer takes place as per  
 (A) Zeroth law of thermodynamics (B) First law of thermodynamics  
~~(C) Second law of thermodynamics~~ (D) Kirchaffs Law
38. The heat transfer by conduction through a thick sphere is given by  
 (A)  $Q = 2\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (B)  $Q = 4\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$   
 (C)  $Q = 6\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (D)  $Q = 8\pi kr_1 r_2 (T_1 - T_2)/(r_2 - r_1)$
39. When heat is transferred from one particle of hot body to another by actual motion of the heated particles, it is referred to as heat transfer by  
 (A) Conduction (B) Convection ~~(C) Radiation~~ (D) Conduction and convection
40. Fourier's law of heat conduction is (where  $Q$  = Amount of heat flow through the body in unit time,  $A$  = Surface area of heat flow, taken at right angles to the direction of heat flow,  $dT$  = Temperature difference on the two faces of the body,  $dx$  = Thickness of the body, through which the heat flows, taken along the direction of heat flow, and  $k$  = Thermal conductivity of the body)  
 (A)  $k \cdot A \cdot (dT/dx)$  ~~(B)  $k \cdot A \cdot (dx/dT)$~~  (C)  $k \cdot (dT/dx)$  (D)  $k \cdot (dx/dT)$
41. When the temperatures of a structure both inside and outside are equal, there is \_\_\_\_\_.  
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42. Polyolester (POE) oils stored in plastic containers will \_\_\_\_\_.  
 a. separate b. become more alkaline  
 c. become acidic ~~d. absorb moisture through the plastic~~
43. R-407C has \_\_\_\_\_.  
 a. a foul odor ~~b. to be charged in the vapor phase~~  
 c. the ability to fractionate d. no temperature glide
44. What is a carbon footprint?  
 a. The carbon deposits from burning gasoline.  
 b. The amount of carbon dioxide that is produced to support your lifestyle.  
~~c. The amount of carbon in the atmosphere produced by the world's lifestyle.~~  
 d. The amount of carbon in the stratosphere.
45. What is energy management?  
 a. A rule that the total amount of energy stays constant in an isolated system over time.  
~~b. Recovering energy lost while using mechanical equipment.~~  
 c. Reading the electric and fuel gas meters every month.  
 d. The monitoring and controlling of energy consuming devices.
46. The function of duct in air conditioning unit is:  
~~(a) air cooling~~ (b) air cleaning (c) air drying (d) air distribution
47. Process of changing solid into vapour state without passing through liquid state is:  
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48. Amount of heat required to raise the temperature of one unit of substance through 1 degree is called:  
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49. The COP of a domestic air conditioning in comparison to domestic refrigerator will be:  
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50. Solenoid valve is operated:  
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# KNOWLEDGE INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Cost Estimation for a Specific Project				
Name of the Student	ABIRAMI. G				
Register No	G11214114701				
Date	25.1.2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded		THREE EIGHT		
Faculty Signature	38				

### ANSWER ALL THE QUESTIONS-(50X01=50)

- To make out an estimate for a work the following data are necessary-Drawing, Specification and  
a) materials      b) rates      c) labours      d) transportation
- \_\_\_\_\_ is required for preliminary studies of various aspects of a work or project.  
a) Supplementary Estimate    b) Plinth Area Estimate    c) Revised Estimate    d) Abstract Estimate
- Approximate cost of a hostel building for 100 students's @Rs.10000/- per student works out as Rs. 10 lakhs.  
a) True      b) False
- Per kilometre basis depending on the nature of road, for 10 km of a state highway approx. cost @ Rs. 50000/- per 1 km works out as Rs. 5 lakh.  
a) True      b) False
- The approx. cost of 10 km length of irrigation channel of 3 cu m per sec. capacity @ Rs.70000/- per km works out as Rs.7 lakh.    a) True      b) False
- Approx. cost of a bridge of 3 spans of 50 m each span @Rs.30000/- per running m of span comes to  $3 \times 50 \times 30000 =$  Rs. 45 lakhs.    a) True      b) False
- Approximate cost of sewerage project for a population of one lakh @ Rs. 10/- head works out as Rs. 10 lakh.    a) True      b) False
- Cube rate estimate is less accurate as compared to the plinth area estimate as the height of the building is also compared.    a) False      b) True
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- \_\_\_\_\_ is prepared on the basis of plinth area of building, the rate being deducted from the cost of similar building having similar specification, heights and construction, in the locality.  
a) Cube Rate Estimate      b) Supplementary Estimate  
c) Maintenance Estimate    d) Plinth Area Estimate
- \_\_\_\_\_ is the amount provided in the estimate and bill of quantities for some specialised work to be done by a specialised firm; whose details are not known at the time of preparing estimate.  
a) Prime cost    b) Provisional sum    c) Capital cost    d) Building cost index
- In this method approx. total length of walls is found in running metre and this total length multiplied by the rate per running metre of wall gives a fairly accurate cost.  
a) Annual repair    b) Item rate estimate    c) Approximate quantity method estimate  
d) Cubical content estimate
- \_\_\_\_\_ Estimate is a detailed estimate and is prepared to maintain the structure or work in proper order and safe condition.  
a) Supplementary and revised estimate    b) Maintenance estimate    c) Item rate estimate  
d) Revised estimate
- A large work or project may consists of several building or small works and each of these work is known as \_\_\_\_\_.  
a) sub-work    b) sub-project    c) sub-head    d) sub-construction
- The term \_\_\_\_\_ is used to denote a procedure of costing or valuing an item of work on the basis of actual labourers and materials required.  
a) prime cost    b) hour-work    c) day-work    d) sub-work
- In a reversed Brayton cycle, the heat is absorbed by the air during



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH- A (2014-2018) AY: 2017-18**  
**Cost Estimation for a Specific Project System- Mark Statement**

Max.Marks: 50  
Date:29.01.2018

Year/Sem :IV/VIII

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114001	AJEETH.L	35	PASS
2.	611214114002	AJITH KUMAR.J	36	PASS
3.	611214114005	ANAND.S	31	PASS
4.	611214114007	ARAVIND T	28	PASS
5.	611214114008	ARAVIND V	35	PASS
6.	611214114009	ARAVINTHKUMAR V	35	PASS
7.	611214114010	ARIVARASAN S	36	PASS
8.	611214114012	ARUNACHALAM T	43	PASS
9.	611214114013	ARUNPRAKASH M	34	PASS
10.	611214114014	ASHWIN.K	35	PASS
11.	611214114015	ASRAR AHAMED N	39	PASS
12.	611214114016	AZURUDDIN.S	43	PASS
13.	611214114018	BALAJI.K	41	PASS
14.	611214114020	BALAJI VIGNESH T	46	PASS
15.	611214114023	BOOPATHY.A	28	PASS
16.	611214114025	DEEPAN CHAKRAVARTHY.P	27	PASS
17.	611214114026	DHARANIDHARAN V R	29	PASS
18.	611214114029	DINESH.C	27	PASS
19.	611214114030	DINESH.G	26	PASS
20.	611214114032	DINESHKUMAR.R	34	PASS
21.	611214114043	GOKULRAJ.G	35	PASS
22.	611214114050	GOPI.S	39	PASS
23.	611214114062	HARI PRAKASH N	43	PASS
24.	611214114065	JAMBUKESHWARAN S	41	PASS
25.	611214114066	JEEVA S	46	PASS
26.	611214114068	JEEVANANTHAN C	28	PASS
27.	611214114069	KANNAN.K.S	34	PASS
28.	611214114074	KARTHIK V	26	PASS
29.	611214114075	KARTHIKEYAN P	28	PASS
30.	611214114080	KATHIRESAN.M	38	PASS

Note: Minimum 25 marks will be considered as pass mark for this certification course.

  
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**BATCH- B (2014-2018) AY: 2017-18**  
**Cost Estimation for a Specific Project System- Mark Statement**

Year/ Sem: IV/VIII

Max.Marks: 50  
Date: 29.01.2018


S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114080	KATHIRESAN.N	28	PASS
2.	611214114084	KIRUBHA SANKAR.B	42	PASS
3.	611214114085	KIRUPAKARAN.S	29	PASS
4.	611214114086	KRISHNA MURTHIJ	38	PASS
5.	611214114090	LOGANATHAN A	31	PASS
6.	611214114091	LOGESH.L.C	27	PASS
7.	611214114092	MALATHI S K	30	PASS
8.	611214114094	MANIKANDAN.A	33	PASS
9.	611214114098	MANIKANDAN S	26	PASS
10.	611214114099	MANIMARAN A	45	PASS
11.	611214114100	MANIRATHINAM P	35	PASS
12.	611214114104	MANOJ.S	36	PASS
13.	611214114105	MANOJ KUMAR R	31	PASS
14.	611214114107	MEIYAZHAGAN.G	28	PASS
15.	611214114108	MITHUN PRASANTH R	35	PASS
16.	611214114112	MOHAN RAJA	37	PASS
17.	611214114113	MOHAN RAJ N	28	PASS
18.	611214114114	MOHIT.S	42	PASS
19.	611214114115	MOULEESWARAN.S	36	PASS
20.	611214114116	MURALI S	27	PASS
21.	611214114118	MUTHUSURESH S	32	PASS
22.	611214114121	NATARAJAN M	37	PASS
23.	611214114122	NAVEEN M	41	PASS
24.	611214114126	NETHAJ.D	43	PASS
25.	611214114127	NITHISH KUMAR.S	40	PASS
26.	611214114128	NIKIL S	38	PASS
27.	611214114131	PASUPATHI. S	43	PASS
28.	611214114132	PRABHU.N	40	PASS
29.	611214114134	PRADEEP KUMAR.S	42	PASS
30.	611214114135	PRADHAP RAJ S	29	PASS
31.	611214114137	PRAKAASHINI S	39	PASS

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Date: 29.01.2018

Year/Sem: IV/VIII


S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114138	PRAKASH.J	43	PASS
2.	611214114139	PRASANTHA	40	PASS
3.	611214114140	PRAVEEN M	38	PASS
4.	611214114142	PREM KUMAR R	43	PASS
5.	611214114143	PREMNATH R	40	PASS
6.	611214114144	PRIYADARSHIN.M	43	PASS
7.	611214114147	RAGUL.G	40	PASS
8.	611214114150	RAJESH R	38	PASS
9.	611214114157	SANJAAY S	43	PASS
10.	611214114162	SARAVANAN K	42	PASS
11.	611214114301	AJAY.B	45	PASS
12.	611214114304	AYYAPPAN R	35	PASS
13.	611214114305	BALAMANEKANDAN R	36	PASS
14.	611214114306	BALAMURUGAN S	31	PASS
15.	611214114308	BOOPATHI RAJAN.V	28	PASS
16.	611214114312	GOWTHAM .N	35	PASS
17.	611214114313	GUNASEKARAN.G	37	PASS
18.	611214114316	KALEESHWARAN M	28	PASS
19.	611214114317	KARAN S	45	PASS
20.	611214114319	KARTHIK KANNAN.N.G	35	PASS
21.	611214114320	KAVIN VENKATACHALAM	36	PASS
22.	611214114322	MALARAVAN G	31	PASS
23.	611214114323	MANIKANDAN M	41	PASS
24.	611214114324	MANOJKUMAR P	33	PASS
25.	611214114325	MEGANATHAN S	26	PASS
26.	611214114328	NAVEEN KUMAR K K	36	PASS
27.	611214114329	NESHARAJA M	40	PASS
28.	611214114331	PARTHIBAN.M	37	PASS
29.	611214114332	PRADEEP S	26	PASS
30.	611214114337	SAKTHIVEL T	31	PASS
31.	611214114701	ABIRAM.LG	38	PASS

Note: Minimum 25 marks will be considered as pass mark for this certification course.

  
29/01/2018  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

  
Principal,  
Knowledge Institute of Technology,  
Salem (Po), Salem-637 504





IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to


**MANIKANDAN A (611214114094)**

In recognition of successful completion of

***“Cost Estimation for a Specific Project System”***

Conducted by “IIK-Center” from 02.01.2018 to 24.01.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
HOD/Mech

  
Principal,  
Knowledge Institute of Technology,  
Kanalayam (Po), Salem-637 504

  
Principal



*Beyond Knowledge*

IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to  
**SARAVANAN K (611214114162)**

In recognition of successful completion of

***“Cost Estimation for a Specific Project System”***

Conducted by “IIC-Center” from 02.01.2018 to 24.01.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

**HOD/Mech**

Principal,  
Knowledge Institute of Technology,  
Salem (Po), Salem-637 504.

**Principal**





Original Knowledge

IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**GOWTHAM N (611214114312)**

In recognition of successful completion of

***“Cost Estimation for a Specific Project System”***

Conducted by “IIK-Center” from 02.01.2018 to 24.01.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

HOD/Mech

Principal,  
Knowledge Institute of Technology,  
Sakapalavam (Po), Salem-637 504

Principal



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IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**NESHARAJA M (611214114329)**

In recognition of successful completion of

***“Cost Estimation for a Specific Project System”***

Conducted by “IIK-Center” from 02.01.2018 to 24.01.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

HOD/Mech

Principal,  
Knowledge Institute of Technology  
Chokkikulavam (Po), Salem-637 504

Principal





IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING




## ***Certificate of Completion***


This certificate is awarded to  
**ABIRAMI G (611214114701)**

In recognition of successful completion of

***“Cost Estimation for a Specific Project System”***

Conducted by “IIC-Center” from 02.01.2018 to 24.01.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
HOD/Mech

  
Principal,  
Knowledge Institute of Technology,  
Salem (Po), Salem-637 504.

  
Principal



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 24/01/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty		✓			
3	About Practical Session			✓		
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course			✓		

Suggestion for Improvement:

x need practical session and industries practice.

Student Signature:

B. Ajay (B. Ajay)

Pr

Principal,  
Knowledge Institute of Technology,  
Kanalavaram (Po), Salem-637 504.





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 24/1/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session		✓	✗		
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

need more practical equipment

**Student Signature:**

*KARAN S* (KARAN. S)

*Pm*

Principal,  
Knowledge Institute of Technology,  
Kadavur (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 24/01/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology				✓	
2	About training handled by faculty			✓		
3	About Practical Session		✓			
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

Suggestion for Improvement:

o Need to improve teaching methodology

Student Signature:

NeshaRujia M (NESHA RASA)

Principal,  
Knowledge Institute of Technology,  
Salem (Po), Salem-637 504.





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 24.01.2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology				✓	
2	About training handled by faculty		✓			
3	About Practical Session			✓		
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus				✓	
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

Teaching methodology need to be improved

**Student Signature:**

J. Prakash (J. Prakash)

PM

Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 50



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 24.1.2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty				✓	
3	About Practical Session		✓			
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus				✓	
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

*Improve knowledge beyond syllabus*

**Student Signature:**

*Abirami G. [ABIRAMI.G]*

*PM*

**Principal,**  
**Knowledge Institute of Technology**  
**Chakkalavaram (Po), Salem-637 504**



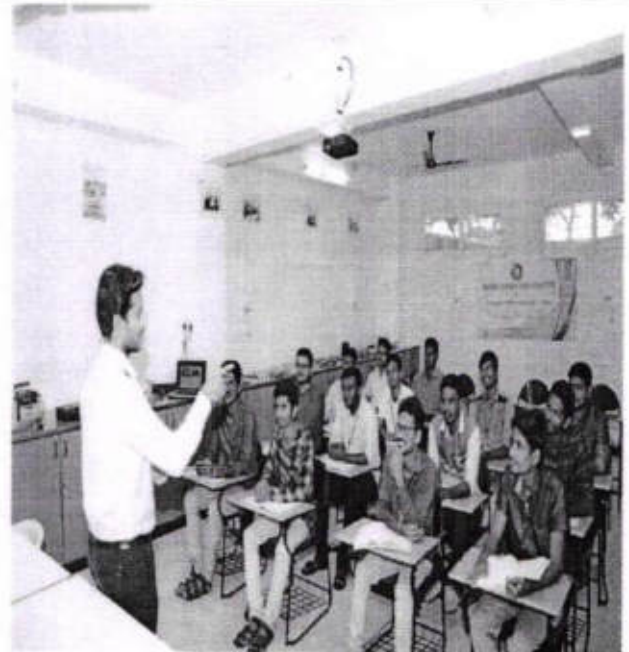
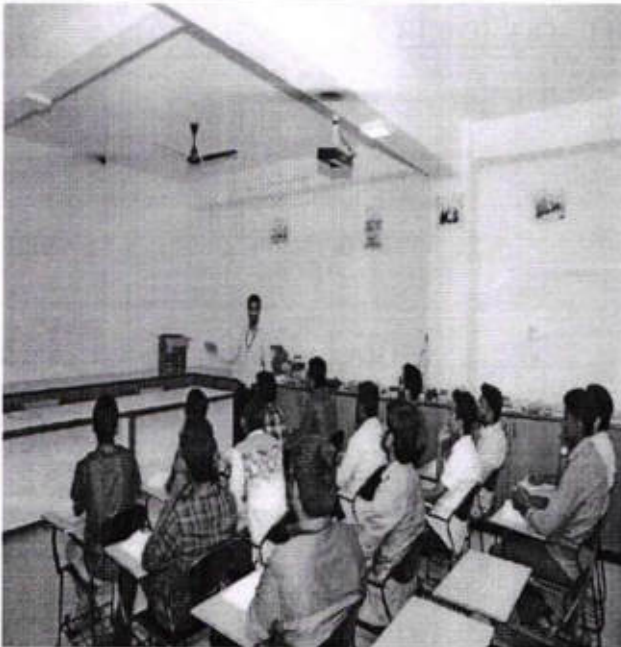


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**REPORT OF THE EVENT (Module:2)**

<b>Date</b> :	01.02.2018 to 21.02.2018	<b>Resource person</b> :	<b>Mr.S.Rajesh</b> Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time</b> :	02.00 pm to 06.00 pm	<b>Title</b> :	<b>Components sizing and selection for chilled water type HVAC system</b>
<b>Venue</b> :	A310, KIOT	<b>No. of Participants</b> :	43

1. He explained about that, what are the factors should consider while calculate cooling load.
2. He also explained about chilled water system and its applications.



**Encl: Circular / Brochure / Attendance Sheet**

*prw*  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504



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SALEM-637 504



International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

Circular No.	KIOT/MECH/IAPMO/2017-18/05	Date	22.01.2018
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To	All Faculty & Third year students of Mechanical Engineering
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Sub	<b>Components sizing and selection for chilled water type HVAC system</b> - IAPMO – Certification Course
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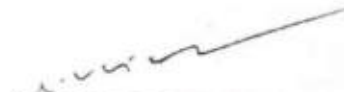
We have planned to conduct, HVAC Training on **Components sizing and selection for chilled water type HVAC system** from 01.02.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).

Venue: A310


Time: 05.00pm to 07.00pm

**Encl:** Name list of shortlisted students.

  
22/01/2018  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

  
Principal,  
Knowledge Institute of Technology  
Karpalavam (Po), Salem-637 504



From

S.Surendar,  
Assistant Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem.

OK  
/

**Through: Head of the Department, Department of Mechanical Engineering**

Respected Sir,

**Sub: Components sizing and selection for chilled water type HVAC system –regarding**


We have planned to conduct, HVAC Training on **Components sizing and selection for chilled water type HVAC system** from 01.02.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT ) center in this Academic Year (2017-2018).In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place:Salem

Date:22.01.2018

  
(HOD (MECH))



Principal,  
Knowledge Institute of Technology  
Inkanalavam (Po), Salem-637 602

Yours Faithfully

  
22/01/2018  
S.Surendar AP/Mech

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**

DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH- (2015-2019) AY: 2017-18

**NAME LIST**

Year/Sem: III / IV

Date: 22.01.2018

S.No.	Register Number	Student Name	Remarks
1.	611215114001	ABISHEK HUSSAIN J	
2.	611215114002	ABISHIEK B	
3.	611215114003	ADITHYA R	
4.	611215114004	ADITYA R	
5.	611215114011	ARULBALAJI S	
6.	611215114013	ARUNACHALAM K	
7.	611215114014	ARUNKUMAR P	
8.	611215114016	ASIK RAM K P	
9.	611215114027	CHANDRAPRAKASH K	
10.	611215114039	DINESH.P	
11.	611215114046	GOKUL S	
12.	611215114048	GOKULRAJ S	
13.	611215114050	GOPIKANNAN R	
14.	611215114051	GOVINDARAJ S	
15.	611215114079	KARTHIKEYAN M	
16.	611215114083	KAVIN T	
17.	611215114089	KESAVANATHAN B	
18.	611215114091	KIRUBA S	
19.	611215114092	KISHORE K	
20.	611215114093	LINGESH K	
21.	611215114094	LOGANADHAN R	
22.	611215114095	LOGESH J	
23.	611215114096	LOGESH M	
24.	611215114097	LOGESHWARAN S	
25.	611215114098	MADHANKUMAR C	
26.	611215114099	MADHAVANATH J M	
27.	611215114103	MANIKANDAN S	
28.	611215114104	MANISHKUMAR K	
29.	611215114105	MANO K	
30.	611215114108	MANOJ KUMAR S	
31.	611215114116	MOHAN A K	
32.	611215114119	MOHANKUMAR R	
33.	611215114121	MOHAN KUMAR A P	
34.	611215114123	MUGUNTHA ADITYA R	
35.	611215114124	MURALI R	
36.	611215114128	MUTHUKUMAR S	
37.	611215114136	NIRMAL S	
38.	611215114146	POTHIGAI SELVAN M	
39.	611215114192	SATHISH KUMAR C	
40.	611215114206	SRIRAM N	
41.	611215114218	TAMILSELVAN S	
42.	611215114244	WINSLETVASANTHRAAJ T S	
43.	611215114341	VENKATESHWARAN M	



S. P. [Signature]  
22/01/2018  
FACULTY I/C

[Signature]  
HOD/MECH Principal,


[Signature]  
PRINCIPAL

Knowledge Institute of Technology  
Kovilam (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY				
Department of Mechanical Engineering				
Course Plan (2020 Batch)				
A.Y: 2018-19				Date: 31.08.2017
Name of the COE:		IAPMO-India – KIOT, Centre of Excellence		
Name of the Course:		HVAC Design and Project Installation Engineer	Semester	05 & 06
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Design of Practical HVAC System	Fundamental and scope of HVAC, Mode of heat transfer, Standards, Refrigeration cycle, Component of A/C, Refrigerants and types, Study of AC system, Study of Psychrometric, Classification of Air-Conditioning System & Sub systems in AC.	Mr.S.Surendar & Mr.S.M.Gowtham	30	
Components sizing and selection for chilled water type HVAC system	Orientation of Building, To Read Latitude & Location of building, Difference for-wall, glass, Roof and Partition, Cooling and Heat Load Calculation, Calculation of sensible Heat Factor ADP and Dehumidified CFM, Cooling Load Calculation, Chilled water system & Equipment Selection	Mr.S.Rajesh & Mr.J.Ramesh	30	
Total No.of Hours			<b>60</b>	

Detailed Execution Plan					
Name of the Course Module: 1. Design of Practical HVAC System					
Duration: 30 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1.1	Fundamental and scope of HVAC	2	-	-	Day 1
1.2	Mode of heat transfer	2	-	-	Day 2
1.3	Mode of heat transfer	1	-	1	Day 3
1.4	Refrigeration cycle	2	-	-	Day 4
1.5	Refrigeration cycle	1	-	1	Day 5
1.6	Component of A/C	2	-	-	Day 6
1.7	Refrigerants and types	2	-	-	Day 7

  
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 Knowledge Institute of Technology  
 Kakanalavam (Po), Salem-837 504

1.8	Study of AC system	2	-	-	Day 8
1.9	Study of Psychrometric	2	-	-	Day 9
1.10	Study of Psychrometric	2	-	-	Day 10
1.11	Study of Psychrometric	1	-	1	Day 11
1.12	Classification of Air-Conditioning System	2	-	-	Day 12
1.13	Classification of Air-Conditioning System	2	-	-	Day 13
1.14	Classification of Air-Conditioning System	2	-	-	Day 14
1.15	Sub systems in AC	2	-	-	Day 15

#### Detailed Execution Plan

Name of the Course Module: 2. Components sizing and selection for chilled water type HVAC system

Duration: 30 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2.1	Air terminal selection	2	-	-	Day 1
2.2	Air terminal selection	1	-	1	Day 2
2.3	Cold storage selection	2	-	-	Day 3
2.4	Cold storage selection	1	-	1	Day 4
2.5	Selection of Materials of Ducts	2	-	-	Day 5
2.6	Selection of Materials of Ducts	1	-	1	Day 6
2.7	Primary and secondary pump selections	2	-	-	Day 7
2.8	Selection of cooling tower	2	-	-	Day 8
2.9	Selection of cooling tower	1	-	1	Day 9
2.10	Selection of Chillers	2	-	-	Day 10
2.11	Selection of Chillers	1	-	1	Day 11
2.12	AHU and FCU classification and selection	2	-	-	Day 12
2.13	Selection of Fan/Blower RPM	2	-	-	Day 13
2.14	Chilled water system & Equipment Selection	2	-	-	Day 14
2.15	Selection of Motor HP	2	-	-	Day 15

  
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HOD/MECH

  
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Knowledge Institute of Technology  
Anjalayam (Po), Salem-637 504



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DEPARTMENT OF MECHANICAL ENGINEERING  
CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2015-19 / Components sizing and selection for chilled water type HVAC system / Academic Year/ SEM: 2017-18 / Even Date: 21.02.2018

S.No	Reg.No	Name of the student	Year / Sem	01.02.2018	02.02.2018	05.02.2018	06.02.2018	07.02.2018	08.02.2018	09.02.2018	12.02.2018	13.02.2018	14.02.2018	15.02.2018	16.02.2018	19.02.2018	20.02.2018	21.02.2018
1.	611215114001	ABISHEK HUSSAIN J	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611215114002	ABISHIEK B	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611215114003	ADITHYA R	III / VI	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/
4.	611215114004	ADITYA R	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	611215114011	ARULBALAJI S	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611215114013	ARUNACHALAM K	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611215114014	ARUNKUMAR P	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611215114016	ASIK RAM K P	III / VI	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	611215114027	CHANDRAPRAKASH K	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611215114039	DINESH.P	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611215114046	GOKUL S	III / VI	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/
12.	611215114048	GOKULRAJ S	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611215114050	GOPIKANNAN R	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	611215114051	GOVINDARAJ S	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	611215114079	KARTHIKEYAN M	III / VI	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
16.	611215114083	KAVIN T	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611215114089	KESAVANATHAN B	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611215114091	KIRUBA S	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611215114092	KISHORE K	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611215114093	LINGESH K	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
21.	611215114094	LOGANADHAN R	III / VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Principal,

Knowledge Institute of Technology,  
Chakravalam (Po), Salem-637 504.





KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Components sizing and selection for chilled water type HVAC system				
Name of the Student	Gokul S				
Register No	611215114046				
Date	26-02-2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded		THREE ONE		
Faculty Signature	31				

ANSWER ALL THE QUESTIONS-(50X01=50)

- Which of the following refrigerant is highly toxic and flammable?  
(A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
- The dehumidification process, on the psychrometric chart, is shown by  
(A) Horizontal line (B) Vertical line (C) Inclined line (D) Curved line
- The wet bulb temperature at 100% relative humidity is \_\_\_\_\_ dry bulb temperature.  
(A) Same as (B) Lower than (C) Higher than (D) None of these
- The human body feels comfortable when the heat stored in the body is  
(A) Positive (B) Negative (C) Zero (D) None of these
- The heat rejection factor (HRF) is given by  
(A)  $1 + C.O.P$  (B)  $1 - C.O.P$  (C)  $1 + (1/C.O.P)$  (D)  $1 - (1/C.O.P)$
- In order to collect liquid refrigerant and to prevent it from going to a \_\_\_\_\_, a device known as accumulator is used at the suction of compressor.  
(A) Compressor (B) Condenser (C) Expansion valve (D) Evaporator
- The vertical and uniformly spaced lines on a psychrometric chart indicates  
(A) Dry bulb temperature (B) Wet bulb temperature (C) Dew point temperature  
(D) Specific humidity
- The undesirable property of a refrigerant is  
(A) Non-toxic (B) Non-flammable (C) Non-explosive (D) High boiling point
- The process, generally used in summer air conditioning to cool and dehumidify the air, is called  
(A) Humidification (B) Dehumidification (C) Heating and humidification  
(D) Cooling and dehumidification
- The leakage in a refrigeration system using ammonia is detected by  
(A) Halide torch (B) Sulphur sticks (C) Soap and water (D) All of these
- The lowest temperature during the cycle in a vapour compression system occurs after  
(A) Compression (B) Expansion (C) Condensation (D) Evaporation
- In a domestic refrigerator, a capillary tube controls the flow of refrigerant from the  
(A) Expansion valve to the evaporator (B) Evaporator to the thermostat  
(C) Condenser to the expansion valve (D) Condenser to the evaporator
- The refrigerant used in small tonnage commercial machines (hermetically sealed units) is  
(A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
- When the air is passed through an insulated chamber having sprays of water maintained at a temperature higher than the dew point temperature of entering air but lower than its dry bulb temperature, then the air is said to be  
(A) Cooled and humidified (B) Cooled and dehumidified  
(C) Heated and humidified (D) Heated and dehumidified
- A refrigerant compressor is used to  
(A) Raise the pressure of the refrigerant (B) Raise the temperature of the refrigerant  
(C) Circulate the refrigerant through the refrigerating system (D) All of the above
- In aqua ammonia absorption refrigeration system, incomplete rectification leads to accumulation of water in  
(A) Condenser (B) Evaporator (C) Absorber (D) None of these
- Most air cooled condensers are designed to operate with a temperature difference of  
(A) 5°C (B) 8°C (C) 14°C (D) 22°C

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18. In a reversed Brayton cycle, the heat is absorbed by the air during  
 (A) Isentropic compression process (B) Constant pressure cooling process  
 (C) Isentropic expansion process (D) Constant pressure expansion process
19. Wet bulb temperature is the temperature of air recorded by a thermometer, when  
 (A) It is not affected by the moisture present in the air  
 (B) Its bulb is surrounded by a wet cloth exposed to the air  
 (C) The moisture present in it begins to condense  
 (D) None of the above
20. The difference between dry bulb temperature and dew point temperature, is called  
 (A) Dry bulb depression (B) Wet bulb depression  
 (C) Dew point depression (D) Degree of saturation
21. In mechanical refrigeration system, the refrigerant has the maximum temperature  
 (A) In evaporator (B) Before expansion valve  
 (C) Between compressor and condenser (D) Between condenser and evaporator
22. The central air conditioning system has \_\_\_\_\_ overall efficiency as compared to individual systems.  
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DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Components sizing and selection for chilled water type HVAC system				
Name of the Student	MANO K				
Register No	611215114105				
Date	26.02.2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	36		THREE SIX		

**ANSWER ALL THE QUESTIONS-(50X01=50)**

- Which of the following refrigerant is highly toxic and flammable?  
(A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
- The dehumidification process, on the psychrometric chart, is shown by  
(A) Horizontal line (B) Vertical line (C) Inclined line (D) Curved line
- The wet bulb temperature at 100% relative humidity is \_\_\_\_\_ dry bulb temperature.  
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(A)  $1 + C.O.P$  (B)  $1 - C.O.P$  (C)  $1 + (1/C.O.P)$  (D)  $1 - (1/C.O.P)$
- In order to collect liquid refrigerant and to prevent it from going to a \_\_\_\_\_, a device known as accumulator is used at the suction of compressor.  
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- The undesirable property of a refrigerant is  
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- The refrigerant used in small tonnage commercial machines (hermetically sealed units) is  
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18. In a reversed Brayton cycle, the heat is absorbed by the air during  
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IAPMO-India – KIOT, Centre of Excellence				
Subject Name	Components sizing and selection for chilled water type HVAC system			
Name of the Student	NIRMAL . S			
Register No	611815114126			
Date	26/08/2018	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	29		TWO NINE	

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49. The bypass factor, in case of sensible cooling of air, is given by (where  $td_1$  = Dry bulb temperature of air entering the cooling coil,  $td_2$  = Dry bulb temperature of air leaving the cooling coil, and  $td_3$  = Dry bulb temperature of the cooling coil)  
 (A)  $(td_1 - td_3) / (td_2 - td_3)$  (B)  $(td_2 - td_3) / (td_1 - td_3)$  (C)  $(td_3 - td_1) / (td_2 - td_3)$  (D)  $(td_3 - td_2) / (td_1 - td_3)$
50. The operating temperature of a cold storage is 2°C. The heat leakage from the surrounding is 30 kW for the ambient temperature of 40°C. The actual C.O.P. of refrigeration plant used is one fourth that of ideal plant working between the same temperatures. The power required to drive the plant is  
 (A) 1.86 kW (B) 3.72 kW (C) 7.44 kW (D) 18.6 kW



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KNOWLEDGE INSTITUTE OF TECHNOLOGY					
DEPARTMENT OF MECHANICAL ENGINEERING					
IAPMO-India – KIOT, Centre of Excellence					
Subject Name	Components sizing and selection for chilled water type HVAC system				
Name of the Student	SRIRAM - N				
Register No	611215114206				
Date	26/02/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
Faculty Signature	28		TWO EIGHT		

ANSWER ALL THE QUESTIONS-(50X01=50)

- Which of the following refrigerant is highly toxic and flammable?  
(A) Ammonia (B) Carbon dioxide  (C) Sulphur dioxide (D) R-12
- The dehumidification process, on the psychrometric chart, is shown by  
(A) Horizontal line  (B) Vertical line (C) Inclined line (D) Curved line
- The wet bulb temperature at 100% relative humidity is \_\_\_\_\_ dry bulb temperature.  
 (A) Same as (B) Lower than (C) Higher than (D) None of these
- The human body feels comfortable when the heat stored in the body is  
(A) Positive  (B) Negative (C) Zero (D) None of these
- The heat rejection factor (HRF) is given by  
(A)  $1 + C.O.P$   (B)  $1 - C.O.P$  (C)  $1 + (1/C.O.P)$  (D)  $1 - (1/C.O.P)$
- In order to collect liquid refrigerant and to prevent it from going to a \_\_\_\_\_, a device known as accumulator is used at the suction of compressor.  
 (A) Compressor (B) Condenser (C) Expansion valve (D) Evaporator
- The vertical and uniformly spaced lines on a psychrometric chart indicates  
 (A) Dry bulb temperature (B) Wet bulb temperature (C) Dew point temperature  
(D) Specific humidity
- The undesirable property of a refrigerant is  
(A) Non-toxic  (B) Non-flammable (C) Non-explosive (D) High boiling point
- The process, generally used in summer air conditioning to cool and dehumidify the air, is called  
(A) Humidification (B) Dehumidification  (C) Heating and humidification  
(D) Cooling and dehumidification
- The leakage in a refrigeration system using ammonia is detected by  
(A) Halide torch  (B) Sulphur sticks (C) Soap and water (D) All of these
- The lowest temperature during the cycle in a vapour compression system occurs after  
(A) Compression  (B) Expansion (C) Condensation (D) Evaporation
- In a domestic refrigerator, a capillary tube controls the flow of refrigerant from the  
 (A) Expansion valve to the evaporator (B) Evaporator to the thermostat  
(C) Condenser to the expansion valve (D) Condenser to the evaporator
- The refrigerant used in small tonnage commercial machines (hermetically sealed units) is  
(A) Ammonia  (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
- When the air is passed through an insulated chamber having sprays of water maintained at a temperature higher than the dew point temperature of entering air but lower than its dry bulb temperature, then the air is said to be  
 (A) Cooled and humidified (B) Cooled and dehumidified  
(C) Heated and humidified (D) Heated and dehumidified
- A refrigerant compressor is used to  
(A) Raise the pressure of the refrigerant (B) Raise the temperature of the refrigerant  
(C) Circulate the refrigerant through the refrigerating system  (D) All of the above
- In aqua ammonia absorption refrigeration system, incomplete rectification leads to accumulation of water in  
 (A) Condenser (B) Evaporator (C) Absorber (D) None of these
- Most air cooled condensers are designed to operate with a temperature difference of  
(A) 5°C (B) 8°C (C) 14°C  (D) 22°C

*pm*



18. In a reversed Brayton cycle, the heat is absorbed by the air during  
 (A) Isentropic compression process (B) Constant pressure cooling process  
 (C) Isentropic expansion process (D) Constant pressure expansion process
19. Wet bulb temperature is the temperature of air recorded by a thermometer, when  
 (A) It is not affected by the moisture present in the air  
 (B) Its bulb is surrounded by a wet cloth exposed to the air  
 (C) The moisture present in it begins to condense  
 (D) None of the above
20. The difference between dry bulb temperature and dew point temperature, is called  
 (A) Dry bulb depression (B) Wet bulb depression  
 (C) Dew point depression (D) Degree of saturation
21. In mechanical refrigeration system, the refrigerant has the maximum temperature  
 (A) In evaporator  (B) Before expansion valve  
 (C) Between compressor and condenser (D) Between condenser and evaporator
22. The central air conditioning system has \_\_\_\_\_ overall efficiency as compared to individual systems.  
 (A) Same (B) Lower  (C) Higher (D) None of these
23. Moisture should be removed from refrigerants to avoid  
 (A) Freezing at the expansion valve (B) Restriction to refrigerant flow  
 (C) Corrosion of steel plates  (D) All of these
24. The specific humidity during humidification process  
 (A) Remains constant  (B) Increases (C) Decreases (D) None of these
25. During a refrigeration cycle, heat is rejected by the refrigerant in a  
 (A) Compressor  (B) Condenser (C) Evaporator (D) Expansion valve
26. In a vapour compression system, the condition of refrigerant is dry saturated vapour  
 (A) Before entering the compressor (B) After leaving the compressor  
 (C) Before entering the condenser (D) After leaving the condenser
27. During sensible cooling of air, specific humidity  
 (A) Remains constant (B) Increases (C) Decreases (D) None of these
28. In a psychrometric chart, specific humidity (moisture content) lines are  
 (A) Vertical and uniformly spaced (B) Horizontal and uniformly spaced  
 (C) Horizontal and non-uniformly spaced (D) Curved lines
29. The horizontal and non-uniformly spaced lines on a psychrometric chart indicates  
 (A) Dry bulb temperature (B) Wet bulb temperature  
 (C) Dew point temperature (D) Specific humidity
30. In a vapour compression refrigeration system, a throttle valve is used in place of an expander because  
 (A) It considerably reduces mass of the system (B) It improves the C.O.P., as the condenser is small  
 (C) The positive work in isentropic expansion of liquid is very small (D) It leads to significant cost reduction
31. The ratio of the actual mass of water vapour in a unit mass of dry air to the mass of water vapour in the same mass of dry air when it is saturated at the same temperature and pressure, is called  
 (A) Humidity ratio (B) Relative humidity (C) Absolute humidity  (D) Degree of saturation
32. During dehumidification process, \_\_\_\_\_ remains constant.  
 (A) Wet bulb temperature  (B) Relative humidity (C) Dry bulb temperature (D) Specific humidity
33. Pressure of water vapour is given by  
 (A)  $0.622 P_v / (P_b - P_v)$  (B)  $\mu / [1 - (1 - \mu) (P_s / P_b)]$   (C)  $[P_v (P_b - P_d)] / [P_d (P_b - P_v)]$  (D) None of these
34. R-12 is generally preferred over R-22 in deep freezers since  
 (A) It has low operating pressures (B) It gives higher coefficient of performance  
 (C) It is miscible with oil over large range of temperatures (D) All of the above
35. In a spray washing system, if the temperature of water is higher than the dry bulb temperature of entering air, then the air is  
 (A) Heated and dehumidified  (B) Heated and humidified  
 (C) Cooled and humidified (D) Cooled and dehumidified
36. A valve which maintains a constant degree of superheat at the end of the evaporator coil, is called  
 (A) Automatic expansion valve (B) High side float valve  
 (C) Thermostatic expansion valve  (D) Low side float valve

37. An infinite parallel planes with emissivities  $e_1$  and  $e_2$ , the interchange factor for radiation from surface 1 to surface 2 is given by  
 (A)  $(e_1 + e_2) / e_1 + e_2 - e_1 e_2$     (B)  $1/e_1 + 1/e_2$     (C)  $e_1 + e_2$     (D)  $e_1 e_2$
38. The emissivity of a polished silver body is \_\_\_\_\_ as compared to black body.  
 (A) Same    (B) Low     (C) Very low    (D) High
39. Air refrigerator works on  
 (A) Reversed Carnot cycle    (B) Bell Coleman cycle     (C) Both (A) and (B)    (D) None of these
40. The relative coefficient of performance is equal to  
 (A) (Theoretical C.O.P.) / (Actual C.O.P.)    (B) (Actual C.O.P.) / (Theoretical C.O.P.)  
 (C) (Actual C.O.P.)  $\times$  (Theoretical C.O.P.)    (D) None of these
41. In case of sensible cooling of air, the coil efficiency is given by  
 (A) B.P.F. - 1    (B) 1 - B.P.F.    (C) 1 / B.P.F.    (D) 1 + B.P.F.
42. For large tonnage (more than 200 TR) air-conditioning applications, the compressor recommended is  
 (A) Reciprocating    (B) Rotating    (C) Centrifugal     (D) Screw
43. The wet bulb temperature during sensible cooling of air  
 (A) Remains constant    (B) Increases     (C) Decreases    (D) None of these
44. A condenser of refrigeration system rejects heat at the rate of 120 kW, while its compressor consumes a power of 30 kW. The coefficient of performance of the system will be  
 (A)  $\frac{1}{4}$     (B)  $\frac{1}{3}$     (C) 3     (D) 4
45. A refrigerant with the highest critical pressure is  
 (A) R-11    (B) R-12    (C) R-22     (D) Ammonia
46. The unit of thermal diffusivity is  
 (A) m/hK     (B) m/h    (C) m<sup>2</sup>/h    (D) m<sup>2</sup>/hK
47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity)  
 (A) 25°C DBT and 100% RH    (B) 20°C DBT and 80% RH  
 (C) 22°C DBT and 60% RH    (D) 25°C DBT and 40% RH
48. The pressure at the outlet of a refrigerant compressor is called  
 (A) Suction pressure     (B) Discharge pressure    (C) Critical pressure    (D) Back pressure
49. The bypass factor, in case of sensible cooling of air, is given by (where  $td_1$  = Dry bulb temperature of air entering the cooling coil,  $td_2$  = Dry bulb temperature of air leaving the cooling coil, and  $td_3$  = Dry bulb temperature of the cooling coil)  
 (A)  $(td_1 - td_3) / (td_2 - td_3)$      (B)  $(td_2 - td_3) / (td_1 - td_3)$     (C)  $(td_3 - td_1) / (td_2 - td_3)$     (D)  $(td_3 - td_2) / (td_1 - td_3)$
50. The operating temperature of a cold storage is 2°C. The heat leakage from the surrounding is 30 kW for the ambient temperature of 40°C. The actual C.O.P. of refrigeration plant used is one fourth that of ideal plant working between the same temperatures. The power required to drive the plant is  
 (A) 1.86 kW    (B) 3.72 kW    (C) 7.44 kW     (D) 18.6 kW



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

IAPMO-India – KIOT, Centre of Excellence

Subject Name	Components sizing and selection for chilled water type HVAC system				
Name of the Student	Tamil Selvan. S				
Register No	611215114218				
Date	26/02/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded		THREE ONE		
Faculty Signature	31				

**ANSWER ALL THE QUESTIONS-(50X01=50)**

1. Which of the following refrigerant is highly toxic and flammable?  
(A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
2. The dehumidification process, on the psychrometric chart, is shown by  
(A) Horizontal line (B) Vertical line (C) Inclined line (D) Curved line
3. The wet bulb temperature at 100% relative humidity is \_\_\_\_\_ dry bulb temperature.  
(A) Same as (B) Lower than (C) Higher than (D) None of these
4. The human body feels comfortable when the heat stored in the body is  
(A) Positive (B) Negative (C) Zero (D) None of these
5. The heat rejection factor (HRF) is given by  
(A)  $1 + \text{C.O.P}$  (B)  $1 - \text{C.O.P}$  (C)  $1 + (1/\text{C.O.P})$  (D)  $1 - (1/\text{C.O.P})$
6. In order to collect liquid refrigerant and to prevent it from going to a \_\_\_\_\_, a device known as accumulator is used at the suction of compressor.  
(A) Compressor (B) Condenser (C) Expansion valve (D) Evaporator
7. The vertical and uniformly spaced lines on a psychrometric chart indicates  
(A) Dry bulb temperature (B) Wet bulb temperature (C) Dew point temperature  
(D) Specific humidity
8. The undesirable property of a refrigerant is  
(A) Non-toxic (B) Non-flammable (C) Non-explosive (D) High boiling point
9. The process, generally used in summer air conditioning to cool and dehumidify the air, is called  
(A) Humidification (B) Dehumidification (C) Heating and humidification  
(D) Cooling and dehumidification
10. The leakage in a refrigeration system using ammonia is detected by  
(A) Halide torch (B) Sulphur sticks (C) Soap and water (D) All of these
11. The lowest temperature during the cycle in a vapour compression system occurs after  
(A) Compression (B) Expansion (C) Condensation (D) Evaporation
12. In a domestic refrigerator, a capillary tube controls the flow of refrigerant from the  
(A) Expansion valve to the evaporator (B) Evaporator to the thermostat  
(C) Condenser to the expansion valve (D) Condenser to the evaporator
13. The refrigerant used in small tonnage commercial machines (hermetically sealed units) is  
(A) Ammonia (B) Carbon dioxide (C) Sulphur dioxide (D) R-12
14. When the air is passed through an insulated chamber having sprays of water maintained at a temperature higher than the dew point temperature of entering air but lower than its dry bulb temperature, then the air is said to be  
(A) Cooled and humidified (B) Cooled and dehumidified  
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15. A refrigerant compressor is used to  
(A) Raise the pressure of the refrigerant (B) Raise the temperature of the refrigerant  
(C) Circulate the refrigerant through the refrigerating system (D) All of the above
16. In aqua ammonia absorption refrigeration system, incomplete rectification leads to accumulation of water in  
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17. Most air cooled condensers are designed to operate with a temperature difference of  
(A) 5°C (B) 8°C (C) 14°C (D) 22°C

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18. In a reversed Brayton cycle, the heat is absorbed by the air during  
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 (A) Dry bulb depression (B) Wet bulb depression  
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 (A) Same (B) Lower (C) Higher (D) None of these
23. Moisture should be removed from refrigerants to avoid  
 (A) Freezing at the expansion valve (B) Restriction to refrigerant flow  
 (C) Corrosion of steel plates (D) All of these
24. The specific humidity during humidification process  
 (A) Remains constant (B) Increases (C) Decreases (D) None of these
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 (A) Humidity ratio (B) Relative humidity (C) Absolute humidity (D) Degree of saturation
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 (A) Wet bulb temperature (B) Relative humidity (C) Dry bulb temperature (D) Specific humidity
33. Pressure of water vapour is given by  
 (A)  $0.622 P_v / (P_b - P_v)$  (B)  $\mu / [1 - (1 - \mu) (P_s / P_b)]$  (C)  $[P_v (P_b - P_d)] / [P_d (P_b - P_v)]$  (D) None of these
34. R-12 is generally preferred over R-22 in deep freezers since  
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 (C) It is miscible with oil over large range of temperatures (D) All of the above
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 (C) Cooled and humidified (D) Cooled and dehumidified
36. A valve which maintains a constant degree of superheat at the end of the evaporator coil, is called  
 (A) Automatic expansion valve (B) High side float valve  
 (C) Thermostatic expansion valve (D) Low side float valve



37. An infinite parallel planes with emissivities  $e_1$  and  $e_2$ , the interchange factor for radiation from surface 1 to surface 2 is given by  
 (A)  $(e_1 + e_2) / (e_1 + e_2 - e_1 e_2)$  (B)  $1/e_1 + 1/e_2$  (C)  $e_1 + e_2$  (D)  $e_1 e_2$
38. The emissivity of a polished silver body is \_\_\_\_\_ as compared to black body.  
 (A) Same (B) ~~Low~~ (C) Very low (D) High
39. Air refrigerator works on  
 (A) Reversed Carnot cycle (B) Bell Coleman cycle (C) ~~Both (A) and (B)~~ (D) None of these
40. The relative coefficient of performance is equal to  
 (A) (Theoretical C.O.P.) / (Actual C.O.P.) (B) ~~(Actual C.O.P.) / (Theoretical C.O.P.)~~  
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41. In case of sensible cooling of air, the coil efficiency is given by  
 (A) B.P.F. - 1 (B) ~~1 - B.P.F.~~ (C)  $1 / \text{B.P.F.}$  (D)  $1 + \text{B.P.F.}$
42. For large tonnage (more than 200 TR) air-conditioning applications, the compressor recommended is  
 (A) Reciprocating (B) Rotating (C) Centrifugal (D) ~~Screw~~
43. The wet bulb temperature during sensible cooling of air  
 (A) Remains constant (B) Increases (C) ~~Decreases~~ (D) None of these
44. A condenser of refrigeration system rejects heat at the rate of 120 kW, while its compressor consumes a power of 30 kW. The coefficient of performance of the system will be  
 (A)  $\frac{1}{4}$  (B)  $\frac{1}{3}$  (C) 3 (D) ~~4~~
45. A refrigerant with the highest critical pressure is  
 (A) R-11 (B) ~~R-12~~ (C) R-22 (D) Ammonia
46. The unit of thermal diffusivity is  
 (A) m/hK (B) m/h (C) ~~m<sup>2</sup>/h~~ (D) m<sup>2</sup>/hK
47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity)  
 (A) 25°C DBT and 100% RH (B) ~~20°C DBT and 80% RH~~  
 (C) 22°C DBT and 60% RH (D) 25°C DBT and 40% RH
48. The pressure at the outlet of a refrigerant compressor is called  
 (A) Suction pressure (B) ~~Discharge pressure~~ (C) Critical pressure (D) Back pressure
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50. The operating temperature of a cold storage is 2°C. The heat leakage from the surrounding is 30 kW for the ambient temperature of 40°C. The actual C.O.P. of refrigeration plant used is one fourth that of ideal plant working between the same temperatures. The power required to drive the plant is  
 (A) 1.86 kW (B) ~~3.72 kW~~ (C) 7.44 kW (D) 18.6 kW



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504****DEPARTMENT OF MECHANICAL ENGINEERING****CENTER FOR HEATING VENTILATION AND AIR CONDITIONING****BATCH - (2015-2019) AY: 2017-18****COMPONENTS SIZING AND SELECTION FOR CHILLED WATER TYPE HVAC Max.Marks:50****Year/ Sem: III / VI****Date:28.02.2018**

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611215114001	ABISHEK HUSSAIN J	28	PASS
2.	611215114002	ABISHIEK B	27	PASS
3.	611215114003	ADITHYA R	35	PASS
4.	611215114004	ADITYA R	45	PASS
5.	611215114011	ARULBALAJI S	40	PASS
6.	611215114013	ARUNACHALAM K	36	PASS
7.	611215114014	ARUNKUMAR P	38	PASS
8.	611215114016	ASIK RAM K P	28	PASS
9.	611215114027	CHANDRAPRAKASH K	33	PASS
10.	611215114039	DINESH.P	32	PASS
11.	611215114046	GOKUL S	31	PASS
12.	611215114048	GOKULRAJ S	35	PASS
13.	611215114050	GOPIKANNAN R	43	PASS
14.	611215114051	GOVINDARAJ S	41	PASS
15.	611215114079	KARTHIKEYAN M	36	PASS
16.	611215114083	KAVIN T	37	PASS
17.	611215114089	KESAVANATHAN B	41	PASS
18.	611215114091	KIRUBA S	40	PASS
19.	611215114092	KISHORE K	35	PASS
20.	611215114093	LINGESH K	38	PASS
21.	611215114094	LOGANADHAN R	29	PASS
22.	611215114095	LOGESH J	28	PASS
23.	611215114096	LOGESH M	27	PASS
24.	611215114097	LOGESHWARAN S	32	PASS
25.	611215114098	MADHANKUMAR C	30	PASS
26.	611215114099	MADHAVANATH J M	33	PASS
27.	611215114103	MANIKANDAN S	44	PASS
28.	611215114104	MANISHKUMAR K	40	PASS
29.	611215114105	MANO K	36	PASS
30.	611215114108	MANOJ KUMAR S	38	PASS
31.	611215114116	MOHAN A K	31	PASS
32.	611215114119	MOHANKUMAR R	33	PASS
33.	611215114121	MOHAN KUMAR A P	36	PASS
34.	611215114123	MUGUNTHA ADITYA R	38	PASS
35.	611215114124	MURALI R	35	PASS
36.	611215114128	MUTHUKUMAR S	38	PASS
37.	611215114136	NIRMAL S	29	PASS
38.	611215114146	POTHIGAI SELVAN M	28	PASS
39.	611215114192	SATHISH KUMAR C	35	PASS
40.	611215114206	SRIRAM N	28	PASS
41.	611215114218	TAMILSELVAN S	31	PASS
42.	611215114244	WINSLETVASANTHRAAJ T S	33	PASS
43.	611215114341	VENKATESHWARAN M	36	PASS

**Note: Minimum 25 marks will be considered as pass mark for this certification course.**

  
28/02/2018  
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IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING




## ***Certificate of Completion***


This certificate is awarded to  
**ARUNKUMAR P (611215114014)**

In recognition of successful completion of  
***“Components sizing and selection for  
chilled water type HVAC system”***

Conducted by “IIK-Center” from 01.02.2018 to 21.02.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
HOD/Mech

  
Principal,  
Knowledge Institute of Technology  
Akaoalavam (Po), Salem-637 504

  
Principal



*Acquire Knowledge*

IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to  
**GOKUL S (611215114046)**

In recognition of successful completion of  
***“Components sizing and selection for  
chilled water type HVAC system”***

Conducted by “IIK-Center” from 01.02.2018 to 21.02.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

**HOD/Mech**

Principal,  
Knowledge Institute of Technology  
Kakkoalavam (Po), Salem-637 504

**Principal**





Pursuing Knowledge

IAPMO-INDIA & KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to  
**LOGESH J (611215114095)**

In recognition of successful completion of  
***“Components sizing and selection for  
chilled water type HVAC system”***

Conducted by “IIK-Center” from 01.02.2018 to 21.02.2018  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

**HOD/Mech**

Principal,  
Knowledge Institute of Technology  
Chakrapalayam (Po), Salem-637 501

**Principal**



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department of Mechanical Engineering

FEEDBACK FORM  
CERTIFICATION COURSE (HVAC)

Academic Year: 2017-18

Date: 21.02.2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology			✓		
2	About training handled by faculty				✓	
3	About Practical Session		✓			
4	About Industries Practice		✓		✓	
5	Knowledge Beyond the syllabus					
6	Overall Experience about this course			✓		

Suggestion for Improvement:

need objective type questions for practice.

Student Signature:

Yash S (Gokul S)

PM  
Principal,  
Knowledge Institute of Technology  
Kavalavam (Po), Salem-637 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21.02.2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology			✓		
2	About training handled by faculty				✓	
3	About Practical Session		✓			
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

Need to Improve Industrial visits.

**Student Signature:**

Manoj . k . [MANO . k]

Principal,

Knowledge Institute of Technology  
Kattavaram (Po), Salem-637 507



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21/8/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓	✓	
3	About Practical Session				✓	
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

Need more industrial visits

**Student Signature:**

S. Nirmal (NIRMAL.S)

PM

Principal,

Knowledge Institute of Technology  
Kakaalavaram (Po), Salem-637 504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21/02/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session		✓			
4	About Industries Practice		✓			
5	Knowledge Beyond the syllabus			✓		
6	Overall Experience about this course		✓			

**Suggestion for Improvement:**

\* Should improve industrial practice & industrial visit.

**Student Signature:**

*Srinivasan N*

*PM*

**Principal,**  
**Knowledge Institute of Technology,**  
**Kakabalam (Po), Salem-637 504**



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM**  
**Department of Mechanical Engineering**

**FEEDBACK FORM**  
**CERTIFICATION COURSE (HVAC)**

Academic Year: 2017-18

Date: 21/02/2018

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		✓			
2	About training handled by faculty			✓		
3	About Practical Session		✓			
4	About Industries Practice			✓		
5	Knowledge Beyond the syllabus		✓			
6	Overall Experience about this course			✓		

**Suggestion for Improvement:**

Need more practical session,

**Student Signature:**

*PM*

**Principal,**

**Knowledge Institute of Technology,**  
Sikanalavam (Po), Salem-637 604.



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504  
DEPARTMENT OF ECE  
NPTEL ONLINE COURSES REGISTRATION DETAILS  
ACADEMIC YEAR 2017 - 2018

Date:29.06.18

S.No	Reg. No	Name of the Student	YEAR	Course Name	STATUS
1	611214106004	AMIRTHA VARSHINI S	IV ECE	Design of Internet of things	Completed
2	611214106012	DIHANASEKARAN A	IV ECE	Design of Internet of things	Completed
3	611214106021	GOWRI B	IV ECE	Design of Internet of things	Completed
4	611214106036	MALATHI M	IV ECE	Design of Internet of things	Completed
5	611214106040	MOULIKA M	IV ECE	Design of Internet of things	Completed
6	611214106063	RAJAMURUGAN S	IV ECE	Design of Internet of things	Completed
7	611214106073	SATHISHKUMAR R	IV ECE	Design of Internet of things	Completed
8	611214106078	SIVABALAN R	IV ECE	Design of Internet of things	Completed
9	611214106088	VIGNESH S	IV ECE	Design of Internet of things	Completed
10	611214106093	VISHALI R	IV ECE	Design of Internet of things	Completed
11	611214106303	BOOPATHY J	IV ECE	Design of Internet of things	Completed
12	611214106318	VIGNESHWARAN M	IV ECE	Design of Internet of things	Completed
13	611215106005	ANURAKSHANA M	III ECE	Satellite Communication	Completed
14	611215106006	ARAVINTH K	III ECE	Introduction of C	Completed
15	611215106008	ARNIKA PRAISY	III ECE	Application Development	Completed
16	611215106012	ATHIRA K R	III ECE	Application Development	Completed
17	611215106016	DEVI T S	III ECE	Application development	Completed
18	611215106023	GOKULRAJ K	III ECE	Digital Image processing	Completed
19	611215106026	GOWTHAM S	III ECE	Introduction to IOT	Completed
20	611215106035	ISWARYA P	III ECE	Introduction of IOT	Completed
21	611215106042	KAVITHA V	III ECE	Digital Speech Processing	Completed
22	611215106051	MALATHI C	III ECE	Digital communication	Completed

Principal

Knowledge Institute of Technology,  
Kekapalayam (Po), Salem-637 504

23	611215106060	MOOGAMBIGAI G R	III ECE	Application development	Completed
24	611215106070	POOJA S N	III ECE	Android App development	Completed
25	611215106072	PRAVRENKUMAR J	III ECE	Introduction to C	Completed
26	611215106088	RAMYALAKSHMI M	III ECE	Application development	Completed
27	611215106115	UMAMAHESWARI G	III ECE	IMAD	Completed
28	611215106118	VIGNESH V G	III ECE	Satellite Communication	Completed
29	611215106001	AGILAN P	III ECE	Introduction to Wireless and Cellular Networks	Completed
30	611215106003	AKILA T	III ECE	Introduction to Wireless and Cellular Networks	Completed
31	611215106004	ANU K	III ECE	DIP using remote Sensor	Completed
32	611215106015	DEEPTHI M	III ECE	C, C++, Python, IOT, Loud Computing	Completed
33	611215106024	GOMATHI D	III ECE	Introduction to C	Completed
34	611215106025	GOWSIKA V	III ECE	Algorithm and Python	Completed
35	611215106036	ISWARYA S	III ECE	Introduction to C	Completed
36	611215106039	KANISHKAR K R	III ECE	Loud Computing	Completed
37	611215106040	KARTHIKA S	III ECE	Modern digital Communication	Completed
38	611215106041	KAVITHA M	III ECE	Basic Electronic CircuitS	Completed
39	611215106044	KAVIYA S (05.12.1997)	III ECE	Soft Skills	Completed
40	611215106052	MANIKANDAN S	III ECE	Visual Communication	Completed
41	611215106058	MONISHA G	III ECE	Development of soft Skills	Completed
42	611215106068	OVIYA S	III ECE	Loud Computing	Completed
43	611215106069	PAVITHRA A	III ECE	Introduction to C	Completed
44	611215106074	PRAVEEN KUMAR B K	III ECE	Design of IOT, Mobile app development	Completed
45	611215106088	ROJA M	III ECE	Internet of things	Completed
46	611215106092	SAKUNTHALA DEVI K	III ECE	Modern digital Communication	Completed
47	611215106099	SASIKALA P	III ECE	Introduction to C	Completed

Principal,  
 Knowledge Institute of Technology  
 Kakapalavam (Po), Salem-837 614



48	611216106006	ANU RAMYA N	II ECE	Data structures & Algorithms using Python	Completed
49	611216106012	BHARATH KUMAR N	II ECE	Cloud Computing	Completed
50	611216106014	BHUVANESWARLA	II ECE	Design for Electronic Equipments	Completed
51	611216106019	DHAARSHINI R	II ECE	App Development	Completed
52	611216106021	DHANUSUYA S	II ECE	App Development	Completed
53	611216106004	ANITHA S	II ECE	Principles of Communication Systems - I	Certified
54	611216106036	JAGADESHWARAN D	II ECE	Introduction to modern Application Development	Completed
55	611216106046	KARTHIKEYAN G	II ECE	Introduction to Wireless and cellular Communication	Completed
56	611216106054	MAGESHWARAN G	II ECE	Literature for Competitive Exam	Completed
57	611216106069	PRIVARTHINI B	II ECE	Internet of things	Completed
58	611216106070	PRIYAADHARSHINI J	II ECE	Introduction in C Programming	Completed
59	611216106082	SATHISH KUMAR M	II ECE	Introduction about Wireless and Cellular Communication	Completed
60	611216106086	SIVA SWARNAMALYA	II ECE	Basic Electric Circuit	Completed
61	611216106087	SNEGA G	II ECE	Hardware Designing Verilog	Completed
62	611216106089	SOWMIYAA P	II ECE	Introduction in C Programming	Completed
63	611216106095	SWETHA PRIYA M	II ECE	Fundamentals of Java Script	Completed
64	611216106097	THANABAL M	II ECE	Object Oriented C++	Completed
65	611216106005	ANITHANANDHINI B	II ECE	Introduction in C Programming	Completed
66	611216106098	THARUN T	II ECE	Basic Electric Circuits	Certified
67	611216106026	DIVYA GAYATHRI S	II ECE	Internet of things	Completed
68	611216106055	MAHADHIR MOHAMMED S	II ECE	Programming in C++	Completed
69	611216106015	BOOPATHI P S	II ECE	Introduction on C Programming	Completed
70	611216106077	RUBINI T	II ECE	Programming in C++	Completed

Principal,  
Knowledge Institute of Technology,  
Chakrapalavaram (Po), Salem-637 604

29/6/18  
HOD/ECE



# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**ANITHA S**

for successfully completing the course

**Principles of Communication Systems - I**

with a consolidated score of **53 %**

Online Assignments	11/25	Proctored Exam	42/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: 371

*T V Prabhakar*  
Prof. T. V. Prabhakar  
Chairman  
Center for Continuing Education, IITK

Jan-Apr 2018  
(12 week course)

*Satyaki Roy*  
Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur

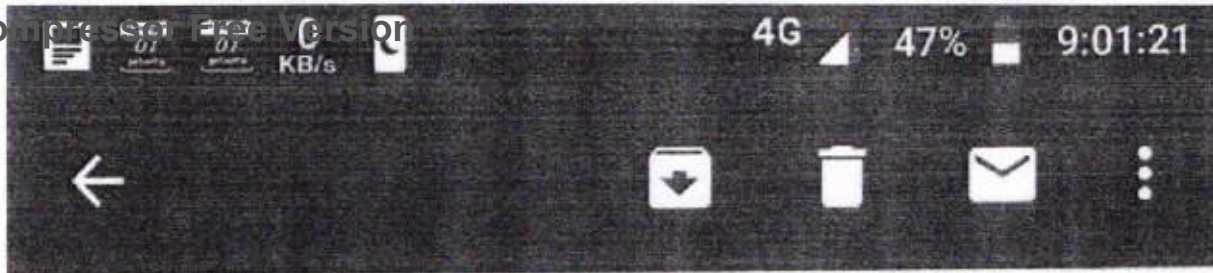
*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakaniyavam (Po), Salem-637 604



Roll No: NPTEL18EE03S2790062

To validate and check scores: <http://nptel.ac.in/noc>





Dear student

Welcome to NPTEL Online Courses and Certification!

Thank you for signing up for our online course "**Electromagnetic Waves in Guided and Wireless Media**". We wish you an enjoyable and informative learning experience.

The course will begin on **25 February 2019**. When content is released on the portal, you will get an email alerting you. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning.

We will open registration for the exam soon. A form has to be filled and the certification exam has a fee, which needs to be paid at the time of registration. Everyone who has signed-up for the course, including those who do not register for the exam, will continue to have access to the course contents.

There are two sections on the portal apart from the course content and assignment sections:

- The announcement list which will only have messages from course instructors and teaching assistants - regarding the lessons, assignments, exam registration, hall tickets etc.
- The discussion forum which is for everyone to ask questions and interact, the course instructor/TA will respond to your queries.
- If you have any questions regarding the exam, registration, hall tickets, results, queries related to the technical content in the lectures, any doubts in the assignments, etc can be posted in the forum section

Details regarding the course:

Name of the course: Electromagnetic Waves in Guided and Wireless Media

Course url: [https://onlinecourses.nptel.ac.in/noc19\\_ee21/](https://onlinecourses.nptel.ac.in/noc19_ee21/)

Course duration :8 weeks

- **Date of exams: 28 April 2019(Sunday).**
- **Time of Exams: Morning session 9am to 12 noon; Afternoon session: 2pm to 5pm**





## Welcome to NPTEL Online Course: Principles Of Communication Systems-I

1 message

<onlinecourses@nptel.iitm.ac.in>

Mon, 7 Jan 2019 at 7:03 pm

To: 2k17ece072@kiot.ac.in

Dear student

Welcome to NPTEL Online Courses and Certification!

Thank you for signing up for our online course "Principles Of Communication Systems-I". We wish you an enjoyable and informative learning experience.

The course will begin on **January 28th 2019**. When content is released on the portal, you will get an email alerting you. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning.

We will open registration for the exam soon. A form has to be filled and the certification exam has a fee, which needs to be paid at the time of registration. Everyone who has signed-up for the course, including those who do not register for the exam, will continue to have access to the course contents.

There are two sections on the portal apart from the course content and assignment sections:

- The announcement list which will only have messages from course instructors and teaching assistants - regarding the lessons, assignments, exam registration, hall tickets etc.
- The discussion forum which is for everyone to ask questions and interact, the course instructor/TA will respond to your queries.
- If you have any questions regarding the exam, registration, hall tickets, results, queries related to the technical content in the lectures, any doubts in the assignments, etc can be posted in the forum section

Details regarding the course:

Name of the course: Principles Of Communication Systems-I

Course url: [https://onlinecourses.nptel.ac.in/noc19\\_ee08/](https://onlinecourses.nptel.ac.in/noc19_ee08/)

Course duration : 12 weeks

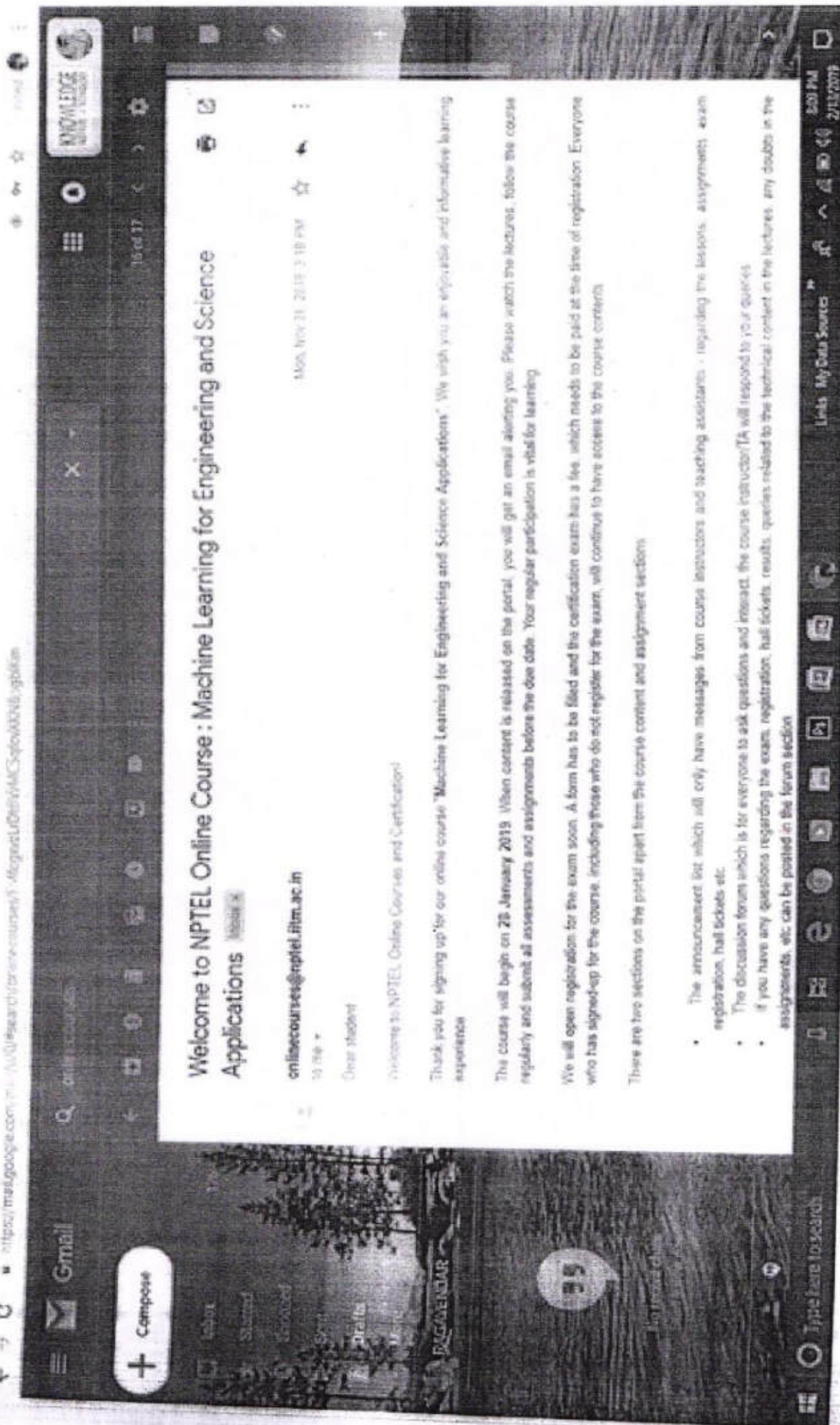
- **Date of exams: April 28th 2019 (Sunday).**
- **Time of Exams:: Morning session 9am to 12 noon; Afternoon session: 2pm to 5pm**
- **Exam for this course will be available in both morning & afternoon sessions.**
- **Final List of exam cities will be available in exam registration form.**
- **Exam registration url - Will be announced shortly.**

Once again, thanks for your interest in our online courses and certification. Happy learning.

- NPTEL team

  
Principal,  
Knowledge Institute of Technology,  
Kavalanavam (Po), Salem-637 604





**Welcome to NPTEL Online Course : Machine Learning for Engineering and Science Applications**

onlinecourses@npTEL.iiitM.ac.in

10:14 AM

Dear student,

Welcome to NPTEL Online Courses and Certification!

Thank you for signing up for our online course "Machine Learning for Engineering and Science Applications". We wish you an enjoyable and informative learning experience.

The course will begin on **26 January 2019**. When content is released on the portal, you will get an email alerting you. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning.

We will open registration for the exam soon. A form has to be filled and the certification exam has a fee, which needs to be paid at the time of registration. Everyone who has signed-up for the course, including those who do not register for the exam, will continue to have access to the course content.

There are two sections on the portal apart from the course content and assignment sections:

- The announcement list which will only have messages from course instructors and teaching assistants - regarding the lessons, assignments, exam registration, hall tickets etc.
- The discussion forum which is for everyone to ask questions and interact. The course instructor/TA will respond to your queries.
- If you have any questions regarding the exam, registration, hall tickets, results, queries related to the technical content in the lectures, any doubts in the assignments, etc. can be posted in the forum section.

Type here to search

5:03 PM 2/11/2019

*[Signature]*  
Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-637 601.

This version of Chrome is no longer supported. Please upgrade to a supported browser. Download

mail.google.com/mail/.../welcome

Search: welcome

Compose

Inbox 4/1

Starred

Spam 2/4

Sent

Drafts

Misc

Divya

Divya's class

chinnudaya's

Man Prabha

Jeevagan, M

Karthiga Kumar

Sudhaisubhartha Chandrasek

Welcome to NPTEL Online Course : Digital Electronic Circuits

onlinenotes@npTEL.UTias.ac.in

to me

Dear student

Welcome to NPTEL Online Course and Certification

Thank you for signing up for our online course "Digital Electronic Circuits". We wish you an enjoyable and informative learning experience.

The course will begin on **28 January 2019**. When content is released on the portal, you will get an email alerting you. Please watch the lectures, follow the course regularly and submit all assignments and assignments before the due date. Your regular participation is vital for learning.

We will open registration for the exam soon. A form has to be filled and the certification exam has a fee, which needs to be paid at the time of registration. Everyone who has signed up for the course, including those who do not register for the exam, will continue to have access to the course contents.

There are two sections on the portal apart from the course content and assignment sections:

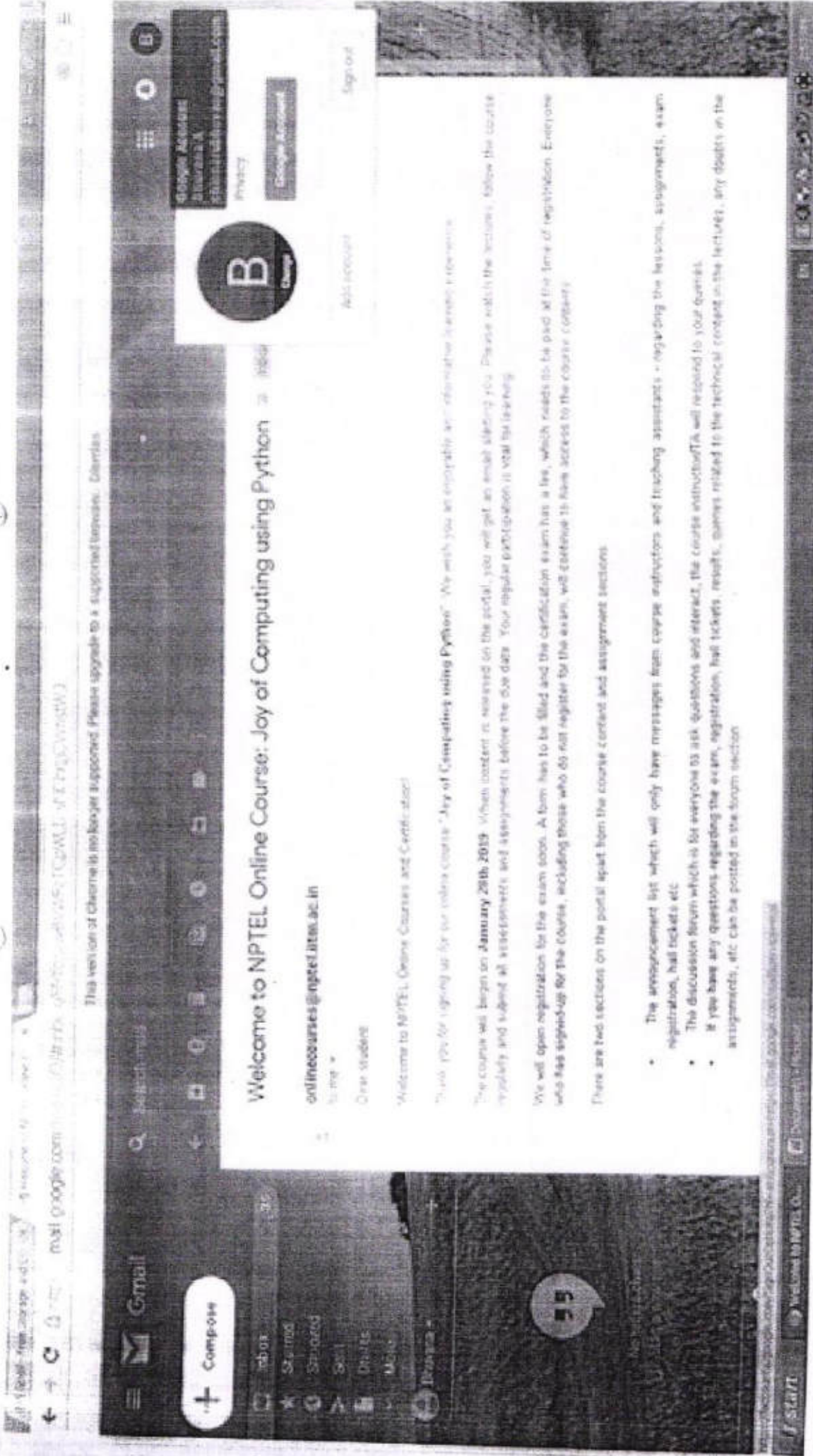
- The announcement list which will only have messages from course instructors and teaching assistants - regarding the lessons, assignments, exam registration, hall tickets etc.
- The discussion forum which is for everyone to ask questions and interact, the course instructor/TA will respond to your queries.
- If you have any questions regarding the exam, registration, hall tickets, results, queries related to the technical content in the lectures, any doubts in the assignments, etc can be posted in the forum section.

Share this course: [Share with friends](#) [Privacy](#) [Change Password](#)

Avatar: Add account Sign out

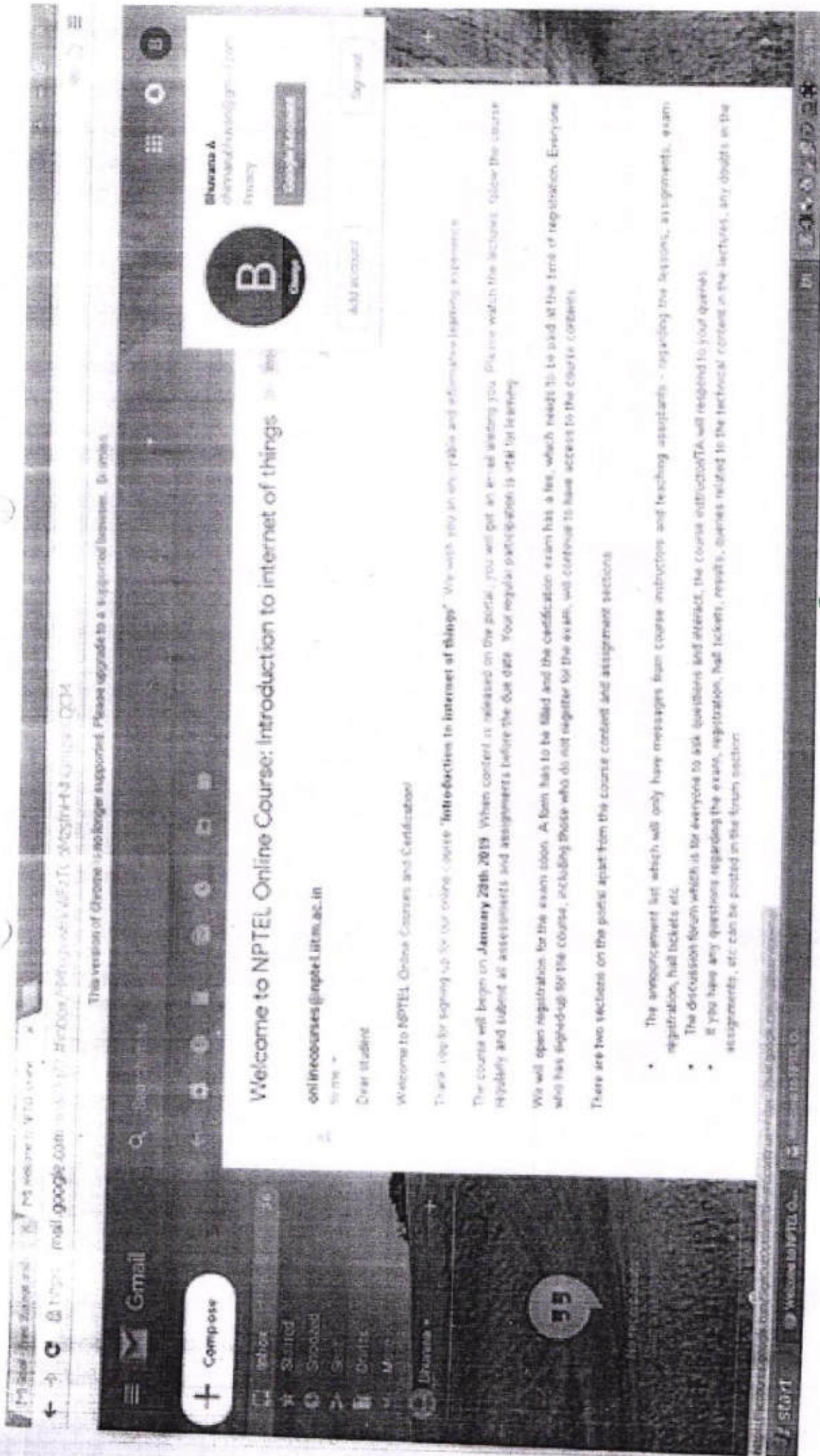
*pm*  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 604.





*Pm*

Institute of Technology  
Sakapalayam (Po), Salem-637 604



*pm*  
 Principal,  
 Knowledge Institute of Technology  
 (Akasaalavam (Po), Salem-637 604)



1/29/2019

NPTEL18EE05S47900561810100012.jpg



Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to  
**THARUN THANGAVEL**  
for successfully completing the course  
**Control Engineering**  
with a consolidated score of **68 %**

Online Assignments	19.5/25	Proctored Exam	48.75/75
--------------------	---------	----------------	----------

*A. Ramesh*  
Prof. A. Ramesh  
Chairman  
Center for Continuing Education, IITM

Total number of candidates certified in this course: **786**

(12 week course)  
Jan-Apr 2018

*Andrew Thangaraj*  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras

*Pm*  
Principal,  
Knowledge Institute of Technology  
Akshaya (Po), Salem-637 517



Roll No NPTEL18EE05S4790059

To validate and check scores: <http://nptel.ac.in/noc>

1/29/2019

NPTEL17EE13S2670019171011479.jpg



**Elite**

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to  
**THARUN THANGAVEL**  
 for successfully completing the course  
**Basic Electrical Circuits**

with a consolidated score of **74 %**

Online Assignments	23.25/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **373**

Prof. A. Ramesh  
 Chairman  
 Centre for Continuing Education, IITM

Jul-Sep 2017  
 (8 week course)

Prof. Andrew Thangaraj  
 NPTEL Coordinator  
 IIT Madras



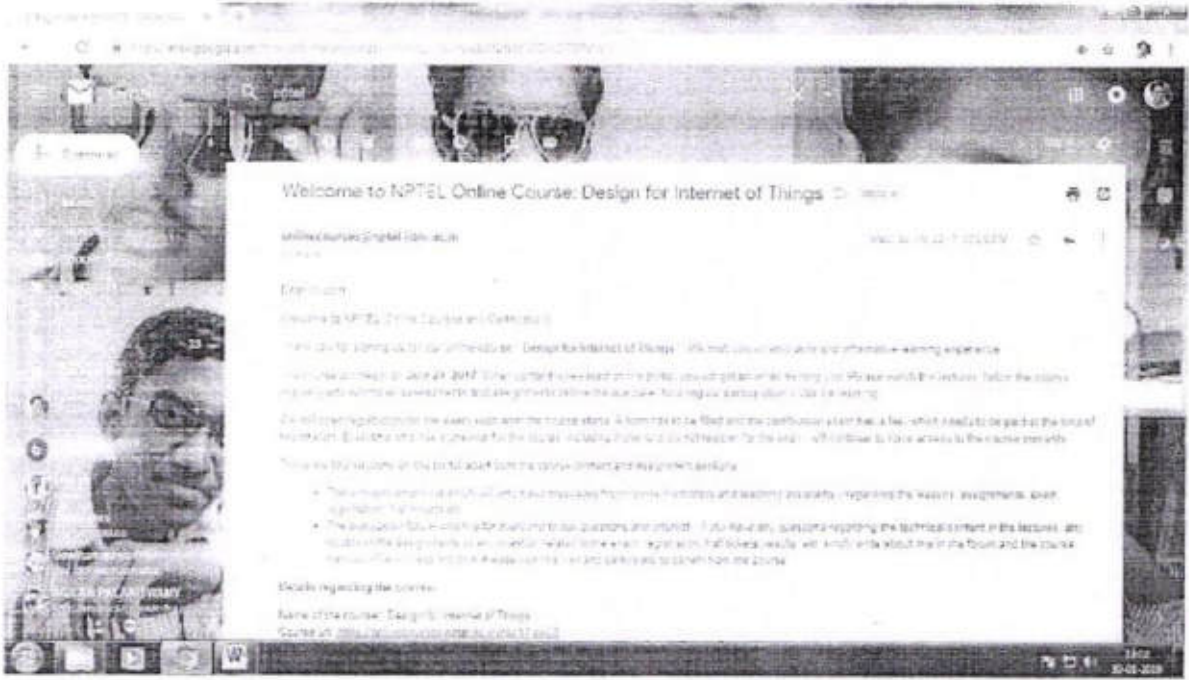
Indian Institute of Technology Madras

P. Muralidharan  
 Knowledge Institute of Technology  
 Kekatpalayam (Po), Salem-637 604

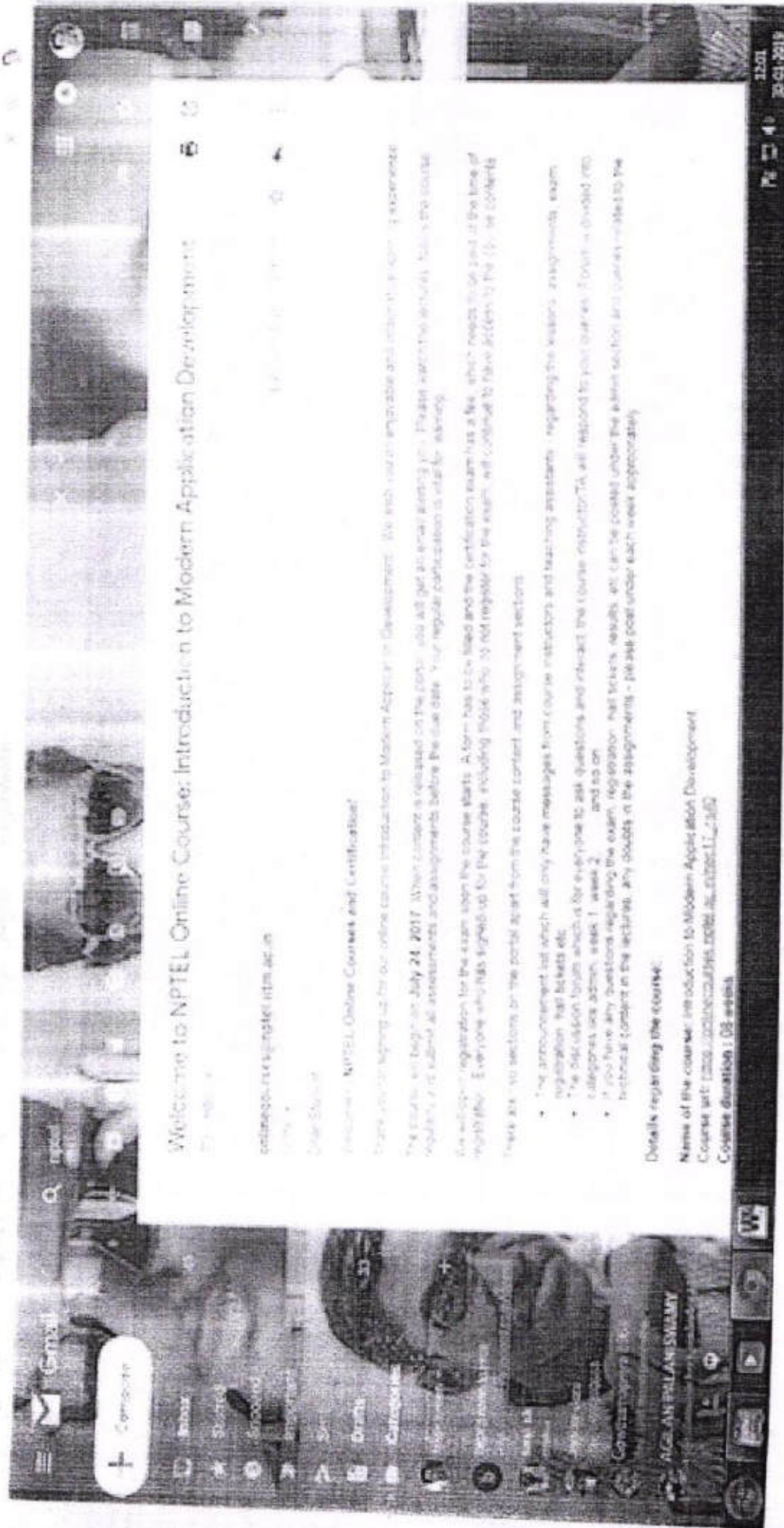
Roll No: NPTEL17EE13S2670019

To validate and check scores: <http://nptel.ac.in/noc>





*Am*  
**Principal,**  
**Knowledge Institute of Technology**  
Anantapur (Pa), Salem-637 604



**Welcome to NPTEL Online Course: Introduction to Modern Application Development**

coursecourse@npTEL.ernet.ac.in

Dear Student,

**Welcome to NPTEL Online Courses and Certification**

Thank you for signing up for our online course Introduction to Modern Application Development. We wish you an enjoyable and rich learning experience. The course will begin on **July 24, 2017**. When content is released on the portal, you will get an email alerting you. Please watch the videos, follow the course regularly, and submit all assessments and assignments before the due date. Your regular participation is vital for success.

For all other registration for the exam upon the course starts. A form has to be filled and the certification exam has a fee, which needs to be paid at the time of registration. Everyone who fills signed up for the course, including those who do not register for the exam, will continue to have access to the course content. There are 30 sections in the portal apart from the course content and assignment sections.

- The announcement list which will only have messages from course instructors and teaching assistants - regarding the various assignments, exam registration, hall tickets etc.
- The discussion forum which is for everyone to ask questions and interact. The course instructor/TA will respond to your queries. Forum is divided into categories like admin, week 1, week 2, and so on.
- If you have any questions regarding the exam, registration, hall tickets, results, etc. can be posted under the admin section and queries related to the technical content in the sections. Any doubts in the assignments - please post under each week appropriately.

**Details regarding the course:**

Name of the course: Introduction to Modern Application Development  
 Course url: <https://coursecatalogs.nptel.ac.in/course/17-100>  
 Course duration: 08 weeks

  
 Principal,  
 Knowledge Institute of Technology,  
 Kalasalavaram (Po), Salem-637 604





# CENTRE FOR FACULTY DEVELOPMENT

ANNA UNIVERSITY  
CHENNAI - 600 025, TAMIL NADU INDIA

Dr. K. Shanthi, Ph.D.,  
Director

Phone : 044 - 2235 8218, 2235 8217, Dir. 2235 1692  
E-mail : facultydevelopment@annauniv.edu

To,

Date : 29th Jan 2018

The Principals and Faculty of University Depts., Constituent & Affiliated colleges of Anna University  
Sir/ Madam,

Subject : Govt. of India ICT program, e-Resource Spoken Tutorial software courses to your students.

Anna University has partnered with Spoken Tutorials, IIT Bombay which is an NMEICT, MHRD, Govt. Of India initiative to enhance IT skill set of our students. The audio video course material and certificates are provided or the same.

Offered trainings are skill oriented & academic importance (many of the offering are part of Lab course). Please make a note that students can refer to spoken tutorial material during their lab course timing in college and on personal computer through self learning mode.

All the Principals of constituent & affiliated colleges of Anna University should introduce this software training program in all departments. Anna University expects all the Principals to ensure the conductance of Spoken Tutorial Software Training for all departments in each semester and submit the status report at the end of each semester to Director, Centre for Faculty Development, Anna University. **FIX A START DATE FOR THE 1<sup>st</sup> SESSION - (in Jan-Feb) 2018**


### Institute Activity :

- All the Affiliated & Constituent Colleges of Anna University should fill the attached Training Planner and start the Training in their respective colleges and send it on [swapnalistp@gmail.com](mailto:swapnalistp@gmail.com) (before 10<sup>th</sup> February 2018).
- Existing QIC Nodal Colleges (NC), must ensure that colleges in their cluster start and conduct the Training on timely basis, through events, calls, mails etc
- Colleges which are yet new to this Program should firstly appoint a Faculty Organiser(s) and make sure all departments start the Trainings.
- After submitting Training Planner make sure all the procedure i.e Semester Training Planner (see attached Instruction sheet to complete the STP) is filled for the planned courses on Spoken Tutorial website [www.spoken-tutorial.org](http://www.spoken-tutorial.org) to consider the training as completed (before 28<sup>th</sup> Feb 2018).
- Students should appear for the online assessment test, so that they can receive Certificates before the semester ends. Fix Test dates for all batches in advance - (4-6 wks after 1<sup>st</sup> session date)
- At the end of each semester, status report of training conducted to be submitted by Colleges to Director, Centre for Faculty Development, Anna University and ST Tamilnadu Coordinator. (In April and Dec)

Faculty Coordinators need to contact Ms. Swapnali Kadam, 08082014548, [swapnalistp@gmail.com](mailto:swapnalistp@gmail.com) ; if there is a query or lack of clarity during the entire process. So that the training program can be conducted with ease and with minimum efforts for faculty coordinators.

Principal,  
Knowledge Institute of Technology  
Kakkoilavam (Po), Salem-637 604

Director, CFD

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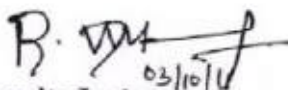
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Cpp Training**


**Evaluation of Participants Performance**

**Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 03/10/2016**


S.No.	Name of the student	Section
1.	JAYANTHI. T	76
2.	JEEVANANTH. S	70
3.	JENIFER.B	64
4.	KANITHRA. P	66
5.	KARTHI. T	65
6.	KARTHICKEYAN.R	52
7.	KARTHICKUMAR.S	49
8.	KAVYA.S.T	58
9.	KAVYA SHREE. M	52
10.	KISHORE. C	61
11.	LOKESH. S	56
12.	MADHUMITHA. K	63
13.	MAHADHIR MOHAMMED.S	55
14.	MANOJ KUMAR.V	58
15.	MOHAMMED YOUNUS. S	68

  
 Faculty Incharge  
 03/10/16

  
 HOD/ECE  
 03/10/16

  
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 Knowledge Institute of Technology  
 Kakapalayam (Po), Salem-637 504



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of C Training**

**Evaluation of Participants Performance**


**Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 10/04/2018**

S.No.	Name of the student	Section
1.	ABINAYA.A	64
2.	AKALYA. K	53
3.	ANITHA.S	54
4.	ANITHANANDHINI. B	74
5.	ARAVINTH. P	78
6.	BAVITHRA DEVI.M	76
7.	BHARATHI PRIYA.K.M	70
8.	BOOPATHI.P.S	64
9.	DHARSHINI. R	66
10.	DINESHKUMAR. R	65
11.	DIVYA GAYATHRI.S	52
12.	GAYATHRI.A	49
13.	GOWTHAM. M	58
14.	GOWTHAM. P. G	52
15.	HEMAPRIYA. M	61

*R. Venkatesh*  
Faculty Incharge

*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

*R. Venkatesh*  
HOD/ECE

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	Kakapalayam (PO), Salem – 637 504	<a href="http://www.kiot.ac.in">www.kiot.ac.in</a>

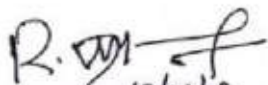
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Java Training**


**Namelist**

**Year/Deg./Dept./Sem. : III B.E./ECE-A&B /VI      Academic year: 2017-18      Date: 10/02/2018**


S.No.	Name of the student	Section
1.	PAVITHRA. S	III-ECE-B
2.	PIRUTHUVI. K	III-ECE-B
3.	PRADEEP.P	III-ECE-B
4.	PRADHEEPA.S	III-ECE-B
5.	PRIYADARSINE. A	III-ECE-B
6.	RUBINI.T	III-ECE-B
7.	SATHYA.S	III-ECE-B
8.	SANDHIYA. M	III-ECE-B
9.	SANKARI. D	III-ECE-B
10.	SHANMUGAPPRIYA. R	III-ECE-B
11.	SRI MUTHUVARAMAHALAXMI. P	III-ECE-B
12.	SURIYA KUMAR. C	III-ECE-B
13.	VASANTHARAJ. S	III-ECE-B
14.	VIMAL. P. A	III-ECE-B
15.	RAGAVAPARAKASH R	III-ECE-B
16.	SRISABARINATHAN KRA	III-ECE-B

  
 10/02/18  
**Faculty Incharge**

  
 Principal,  
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 10/02/18  
**HOD/ECE**



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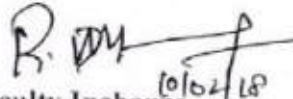
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of C Training**

Attendance


Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 10/02/2018

S.No.	Name of the student	Section	13.02.18	15.02.18	20.02.18	22.02.18	27.02.18
1.	ABINAYA.A	II-ECE-B	/	/	/	/	/
2.	AKALYA. K	II-ECE-B	/	/	/	/	/
3.	ANITHA.S	II-ECE-B	/	/	/	/	/
4.	ANITHANANDHINI. B	II-ECE-B	/	/	/	/	/
5.	ARAVINTH. P	II-ECE-B	a	/	/	/	/
6.	BAVITHRA DEVI.M	II-ECE-B	/	/	/	/	/
7.	BHARATHI PRIYA.K.M	II-ECE-B	/	a	/	/	/
8.	BOOPATHI.P.S	II-ECE-B	/	/	/	/	/
9.	DHARSHINI. R	II-ECE-B	/	/	/	a	/
10.	DINESHKUMAR. R	II-ECE-B	/	/	/	/	/
11.	DIVYA GAYATHRI.S	II-ECE-B	/	/	/	/	/
12.	GAYATHRI.A	II-ECE-B	/	/	/	/	/
13.	GOWTHAM. M	II-ECE-B	/	/	a	/	/
14.	GOWTHAM. P. G	II-ECE-B	/	/	/	/	a
15.	HEMAPRIYA. M	II-ECE-B	/	/	/	/	/

  
 Faculty Incharge  
 10/02/18

  
 HOD/ECE  
 10/02/18

  
 Principal,  
 Knowledge Institute of Technology,  
 Kakapalayam (Po), Salem-637 504.

 <i>Acquire Knowledge</i>	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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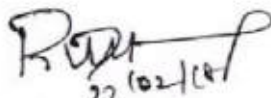
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Cpp Training**

Attendance

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 10/02/2018


S.No.	Name of the student	Section	13.02.18	15.02.18	20.02.18	22.02.18	27.02.18
1.	JAYANTHI. T	II-ECE-B	/	/	/	/	/
2.	JEEVANANTH. S	II-ECE-B	/	/	/	/	/
3.	JENIFER.B	II-ECE-B	/	a	/	/	/
4.	KANITHRA. P	II-ECE-B	/	/	/	/	/
5.	KARTHI. T	II-ECE-B	/	/	a	/	/
6.	KARTHICKEYAN.R	II-ECE-B	/	/	/	/	/
7.	KARTHICKUMAR.S	II-ECE-B	/	/	/	/	/
8.	KAVYA.S.T	II-ECE-B	/	/	/	/	a
9.	KAVYA SHREE. M	II-ECE-B	/	/	/	/	/
10.	KISHORE. C	II-ECE-B	/	/	/	/	/
11.	LOKESH. S	II-ECE-B	/	/	/	a	/
12.	MADHUMITHA. K	II-ECE-B	/	/	/	/	/
13.	MAHADHIR MOHAMMED.S	II-ECE-B	/	/	/	/	/
14.	MANOJ KUMAR.V	II-ECE-B	/	/	/	/	/
15.	MOHAMMED YOUNUS. S	II-ECE-B	/	/	/	/	/

  
 27/02/18  
 Faculty Incharge

  
 Principal,  
 Knowledge Institute of Technology  
 Kakapalayam (Po), Salem-637 504

  
 27/02/18  
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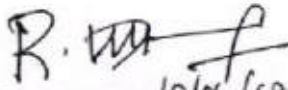
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Java Training**

**Evaluation of Participants Performance**


Year/Deg./Dept./Sem. : III B.E./ECE-A&B /VI      Academic year: 2017-18      Date: 10/04/2018

S.No.	Name of the student	Section
1.	PAVITHRA. S	76
2.	PIRUTHUVI. K	70
3.	PRADEEP.P	64
4.	PRADHEEPA.S	66
5.	PRIYADARSINE. A	65
6.	RUBINI.T	52
7.	SATHYA.S	49
8.	SANDHIYA. M	58
9.	SANKARI. D	52
10.	SHANMUGAPPRIYA. R	61
11.	SRI MUTHUVARAMAHALAXMI. P	56
12.	SURIYA KUMAR. C	63
13.	VASANTHARAJ. S	55
14.	VIMAL. P. A	58
15.	RAGAVAPARAKASH R	68
16.	SRISABARINATHAN KRA	63

  
Faculty Incharge  
10/04/18

  
Principal,  
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Kakapalayam (Po), Salem-637 504

  
HOD/ECE  
10/04/18

 <i>Respect Knowledge</i>	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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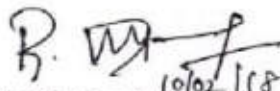
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of C Training**

**Namelist**

**Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 10/02/2018**


S.No.	Name of the student	Section
1.	ABINAYA.A	II-ECE-B
2.	AKALYA. K	II-ECE-B
3.	ANITHA.S	II-ECE-B
4.	ANITHANANDHINI. B	II-ECE-B
5.	ARAVINTH. P	II-ECE-B
6.	BAVITHRA DEVI.M	II-ECE-B
7.	BHARATHI PRIYA.K.M	II-ECE-B
8.	BOOPATHI.P.S	II-ECE-B
9.	DHARSHINI. R	II-ECE-B
10.	DINESHKUMAR. R	II-ECE-B
11.	DIVYA GAYATHRI.S	II-ECE-B
12.	GAYATHRI.A	II-ECE-B
13.	GOWTHAM. M	II-ECE-B
14.	GOWTHAM. P. G	II-ECE-B
15.	HEMAPRIYA. M	II-ECE-B

  
Faculty Incharge  
10/02/18

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
HOD/ECE  
10/02/18



 <i>Ways and Knowledge</i>	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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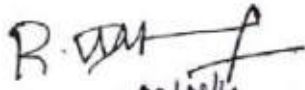
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Cpp Training**

**Namelist**


**Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2017-18      Date: 03/08/2016**

S.No.	Name of the student	Section
1.	JAYANTHI. T	II-ECE-B
2.	JEEVANANTH. S	II-ECE-B
3.	JENIFER.B	II-ECE-B
4.	KANITHRA. P	II-ECE-B
5.	KARTHI. T	II-ECE-B
6.	KARTHICKEYAN.R	II-ECE-B
7.	KARTHICKUMAR.S	II-ECE-B
8.	KAVYA.S.T	II-ECE-B
9.	KAVYA SHREE. M	II-ECE-B
10.	KISHORE. C	II-ECE-B
11.	LOKESH. S	II-ECE-B
12.	MADHUMITHA. K	II-ECE-B
13.	MAHADHIR MOHAMMED.S	II-ECE-B
14.	MANOJ KUMAR.V	II-ECE-B
15.	MOHAMMED YOUNUS. S	II-ECE-B

  
03/08/16  
Faculty Incharge

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
03/08/16.  
HOD/ECE

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Java Training**

Attendance

Year/Deg./Dept./Sem. : III B.E./ECE-B /VI      Academic year: 2017-18      Date: 10/02/2018

S.No.	Name of the student	Section	12.02.18	14.02.18	19.02.18	21.02.18	26.02.18
1.	PAVITHRA. S	III-ECE-B	/	/	/	/	/
2.	PIRUTHUVI. K	III-ECE-B	/	/	/	/	/
3.	PRADEEP.P	III-ECE-B	/	/	/	/	/
4.	PRADHEEPA.S	III-ECE-B	/	/	a	/	/
5.	PRIYADARSINE. A	III-ECE-B	/	/	/	/	/
6.	RUBINLT	III-ECE-B	/	/	/	/	/
7.	SATHYA.S	III-ECE-B	/	/	/	/	/
8.	SANDHIYA. M	III-ECE-B	a	/	/	/	/
9.	SANKARI. D	III-ECE-B	/	/	/	/	/
10.	SHANMUGAPPRIYA. R	III-ECE-B	/	/	/	/	/
11.	SRI MUTHUVARAMAHAL AXMI. P	III-ECE-B	/	a	/	/	/
12.	SURIYA KUMAR. C	III-ECE-B	/	/	/	/	/
13.	VASANTHARAJ. S	III-ECE-B	/	/	/	/	/
14.	VIMAL. P. A	III-ECE-B	/	/	/	/	/
15.	RAGAVAPARAKASH R	III-ECE-B	/	/	/	a	/
16.	SRISABARINATHAN KRA	III-ECE-B	/	/	/	/	/
17.	ISWARYA S	III-ECE-B	/	/	/	/	/
18.	JANANI S	III-ECE-B	/	/	/	/	a
19.	KANISHKAR K R	III-ECE-B	/	/	/	/	/
20.	KARTHIKA S	III-ECE-B	/	/	/	/	/


Principal,

Knowledge Institute of Technology  
- (Po) Salem-637 504



21.	KAVITHA M	III-ECE-B	/	/	/	/	/
22.	KAVIYA S (21-10-1997)	III-ECE-B	/	/	/	/	/
23.	KAVIYA S (05-12-1997)	III-ECE-B	a	/	/	/	/
24.	KAVYA S	III-ECE-B	/	/	/	/	/
25.	KOMATHI E M	III-ECE-B	/	/	/	/	/
26.	LOGESHWARAN V	III-ECE-B	/	/	/	/	/
27.	MAHESHAVARTHINI G	III-ECE-B	/	/	a	/	/
28.	MANIKANDAN S	III-ECE-B	/	/	/	/	/
29.	MOHANARANGAM S	III-ECE-B	/	/	/	/	/
30.	MONISHA G	III-ECE-B	/	/	/	/	/
31.	NANDHINI U	III-ECE-B	/	a	/	/	/
32.	NAVEEN V G	III-ECE-B	/	/	/	/	/
33.	NAVEENRAJ S	III-ECE-B	/	/	/	/	a
34.	NIRMALRAJ S	III-ECE-B	/	/	/	/	/
35.	NITHYA T	III-ECE-B	/	/	/	/	/
36.	OVIYA S	III-ECE-B	/	/	a	/	/
37.	PAVITHRA A	III-ECE-B	/	/	/	/	/
38.	PRAVEEN KUMAR B K	III-ECE-B	/	/	/	/	/
39.	PRIYAA A M	III-ECE-B	/	/	/	/	/
40.	PRIYADHARSHINI C	III-ECE-B	/	/	/	a	/
41.	RAMYA G (24-03-1997)	III-ECE-B	/	/	/	/	/
42.	RAMYA V	III-ECE-B	/	/	/	/	/
43.	ROJA M	III-ECE-B	/	/	/	/	/
44.	SAAI GHOUTHAM R S	III-ECE-B	/	/	/	/	/
45.	SAKUNTHALA DEVI K	III-ECE-B	/	/	/	/	a
46.	SARANYA S	III-ECE-B	/	/	/	/	/
47.	SASIKALA P	III-ECE-B	/	/	/	/	/
48.	SELVI S	III-ECE-B	/	/	/	/	/
49.	SHERAAZ S	III-ECE-B	/	/	a	/	/
50.	SOUNDARYA S	III-ECE-B	/	/	/	/	/
51.	SOWMITHRA R	III-ECE-B	/	/	/	/	/

52.	SOWNDHARYA PRABHA A	III-ECE-B	/	/	/	/	/
53.	SRIUMADEVI B	III-ECE-B	/	a	/	/	/
54.	SUGANESH M	III-ECE-B	/	/	/	/	/
55.	VELMURUGAN B	III-ECE-B	a	/	/	/	/
56.	VELMURUGAN S A	III-ECE-B	/	/	/	a	/
57.	VIJAY C	III-ECE-B	/	/	/	/	/
58.	VIJAYARAM S K	III-ECE-B	/	/	/	/	/
59.	VIJAY ARAVIND M	III-ECE-B	/	/	/	/	/
60.	ARAVIND KUMAR B	III-ECE-B	/	/	/	/	/
61.	SANGEETHA S	III-ECE-B	/	/	/	a	/
62.	SRIDHARAN P	III-ECE-B	/	/	/	/	a
63.	SRINIVASAN M	III-ECE-B	/	/	/	/	/
64.	THENMOZHI K	III-ECE-B	/	/	/	/	/

  
Faculty Incharge 26/02/18

  
26/02/18  
HOD/ECE

  
Principal,  
Knowledge Institute of Technology  
K. Analavam (Po), Salem-637 604





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**REPORT OF THE EVENT**

<b>Date</b>	:	22.1.18 to 7.2.18 (42 Hours)	<b>Resource person</b>	:	<b>Global CADD Technology</b> 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004 (External)
<b>Time</b>	:	3.30 pm to 7.00pm	<b>Title</b>	:	Certification Course on- "Electrical wiring circuit design using Electrical CAD"
<b>Venue</b>	:	E-Block 3rd Floor- MTLC & CC9 lab.	<b>No. of Participants</b>	:	65

- Resource Person discussed about basics of CAD/CAM/CAE, concept of Electrical CAD.
- They briefly discussed about coordinate System, Line, XLine, Rectangle, Copy, Offset Polygen, Array, Move, Rotate, Mirror, Erase, Arc, Circles, Trim, Extend, Scale, Stretch.
- On Day 5 to 8 student had Drawing Practice on Ellipse, Spline, Point, Donut, Extend, Break Fillet, Chamfer, Explode, Divide, Object Selection Method, Drafting Settings, Properties, Match Properties, Block, Wblock, Hatch, Display, Order, Single line text, Multi line text, Table, Boundary, Region, Parametric Modeling & Dimensioning.
- Student Undergone Test in Inserting Schematic Components, Symbols, Components from list, Connectors, Terminals, Multi-Level Terminals on day 9 and 10.
- Resource person delivered the development of circuit Design practically.



Encl: Circular / Lesson Plan / Attendance Sheet / Feedback

  
Principal,  
Knowledge Institute of Technology  
Alagapuram (Po), Salem-637 504



Beyond knowledge

# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM - 637 504

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Circular No.	EEE/CC/01	Date	16.11.2017
To	II-Year EEE students		
Name of the subject	Certification Course- Reg.		

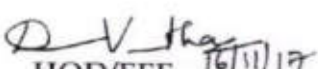
This is to inform you that Department of Electrical & Electronics Engineering has planned to conduct a Certification course on Electrical wiring circuit design using Electrical CAD for II year students. Interested candidates are requested to register their names to Faculty Coordinator.

SL. NO.	Name of The Program	Venue	Date & Time (No of Hours)	Resource Person
1	Electrical wiring circuit design using Electrical CAD	E-Block 3rd Floor- MTLC & CC9 lab	22.1.18 to 7.2.18 & 3.30 pm to 7.00pm (42 Hours)	Global CADD Technology 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004 (External)

For Further Details & Registration Kindly Contact:

Mr.B.Sasikumar, ASP/EEE & Dept. certification Course Coordinator

  
Certification Course Co-Coordinator

  
HOD/EEE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	P&T	LIB	AO	Transport I/C	Hostel NB	Residential Warden	CollegeNB	Office /File	Class Circulation
		*				*						*	*	*

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504



From

03/01/2018, Salem

Mr.B.Sasikumar,  
Associate Professor,  
Department of Electrical and Electronics engineering,  
Knowledge Institute of Technology,  
Salem- 637504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/EEE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

We have planned to conduct certification course on "**Electrical wiring circuit design using Electrical CAD**" from 22.01.18 to 07.02.18 for a period of 14 days with the duration of 42 hours. It will be helpful for our II Year Electrical and Electronics engineering students through which they can enrich their knowledge in Electrical CAD in Autodesk software. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development of our students.

The course details are as follows:

Description	Particulars
Year	II (Electrical and Electronics engineering Students)
Name of the Course	<b>Electrical wiring circuit design using Electrical CAD</b>
Company/ Resource Person	<b>Global CADD Technology</b> 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004
Total Number of Students Registered	65 Nos.

Thank you sir

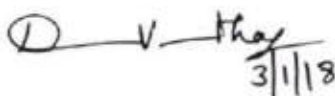
Yours truly,



(Mr.B.Sasikumar)



PRINCIPAL



HOD/EEE



Principal,  
Knowledge Institute of Technology  
Katahalavam (Po), Salem-637 504

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 04.05.2017

**Submitted to the Principal for Approval**

Based on the QIC meeting recommendation and PAC meeting approval, it is proposed to conduct the following Certificate Courses, Value Added Courses and Vocational Education training courses for the AY 2017-18.

S.No.	Type of the Course (CC, VAC & VET)	Name of the Course	Duration (Hrs)	Target Student	Remarks
1.	CC	Electrical wiring circuit design using Electrical CAD	42	II-EEE	Existing Course and Continuing
2.	VAC	Programming in PLC & SCADA	42	III, IV-EEE	Existing Course and Continuing
3.	VAC	Design and development of Real time Embedded Applications	42	II-EEE	New Course
4.	VAC	Programming in JAVA	60	III-EEE	Existing Course and Continuing
5.	VET	PCB Design and Development	90	EEE	New Course

*D V - HOD*  
4/5/17

**HOD/EEE**

*PM*

**PRINCIPAL**

*pm*  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Certification Course**  
**Students Enrollment List**

Academic Year: 2017-18

Year/Sem: II/IV

Date: 3/01/18

Name of the Course: Electrical wiring circuit design using Electrical CAD

S.No	Register No	Name of the Student
1	611216105001	AJAY KUMAR K
2	611216105002	ASHOKRAJA M
3	611216105005	BRUNTHA S
4	611216105006	CHANDRA PRAKASH D
5	611216105007	CIBI KRISHNAN K
6	611216105008	DHANVIN R
7	611216105009	DHEENADHAYAL B
8	611216105011	ELAKIYA V
9	611216105012	ELAVARASAN K
10	611216105013	FRANCO SELVANATHAN J
11	611216105014	GOKULAPRIYA A
12	611216105016	GOWSALYA V
13	611216105017	GOWTHAM S
14	611216105020	ILAMATHY R
15	611216105021	INFANT RAJ F
16	611216105022	ISWARYA V
17	611216105023	JANANI B
18	611216105025	KAMALAPRIYA SIVAMOORTHY
19	611216105026	KANNAN R K
20	611216105029	KIRANRAJ K
21	611216105030	KRITHIGA A K
22	611216105031	LOGANATHAN G
23	611216105032	LOGAPRIYA S
24	611216105033	MAHESHKUMAR S
25	611216105034	MAHESWARI L
26	611216105036	MANOPRIYA K
27	611216105037	MOHAN S
28	611216105040	MONICA S L
29	611216105042	MUGESHRAJ R
30	611216105043	NANDHINI G
31	611216105045	NAVEENVIGNESH R
32	611216105046	NIVETHA R
33	611216105049	POONGODI A
34	611216105050	POONKUILAN S
35	611216105051	POOVARASAN A
36	611216105052	PREETHA S
37	611216105053	PREETHI K A
38	611216105057	PUGALARASAN M
39	611216105059	RAMYA S
40	611216105061	RANJITH P
41	611216105063	SANGEETHA P R
42	611216105064	SARANRAJ S
43	611216105066	SHARMILA V
44	611216105070	SOUNDHARYADEVI G
45	611216105071	SRI BALAJI B
46	611216105073	SUTHARSANAN E
47	611216105074	SWETHA P
48	611216105077	THOGAI VADIVU V

*Pm*

S.No	Register No	Name of the Student
49	611216105078	UDHAYA I
50	611216105079	VASHIFA S
51	611216105083	VIGNESHWARAN K
52	611216105084	VINOTHKUMAR A
53	611216105085	YAGESHWARAN S
54	611216105086	YUHANA SHERIN S
55	611216105087	YUVARANI N
56	611216105304	DHARMAVARDHANAN K
57	611216105305	GOKULNATH K
58	611216105306	MADHANKUMAR J
59	611216105307	MANI SHANKAR M
60	611216105309	NAVEENKUMAR R
61	611216105310	PRASANTH M
62	611216105311	PRAVEEN D
63	611216105314	RAGUL S
64	611216105315	RAMANAN K S
65	611216105319	THAMARASELVAN R

*B. Sankar*  
CC Coordinator

*D. V. The*  
HoD/EEE 2/01/23

Principal,  
Knowledge Institute of Technology,  
Kekapalayam (Po), Salem-637 504.



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504**  
**Department of Electrical and Electronics Engineering**  
**Certification Course – Lesson Plan Schedule**

<b>Name of the Course:</b>	Electrical wiring circuit design using Electrical CAD		
<b>Academic Year:</b>	2017-2018		
<b>Year/Sem:</b>	II / IV	<b>Date:</b>	22.1.18 to 7.2.18

Day	Session Timing	Course Content
1.	3.30pm to 7 pm	<ul style="list-style-type: none"> <li>• Introduction to CAD/CAM/CAE</li> </ul>
2.	3.30pm to 7 pm	<ul style="list-style-type: none"> <li>• Introduction to Electrical CAD</li> <li>• Basic setup, coordinate System</li> </ul>
3.	3.30pm to 7 pm	<ul style="list-style-type: none"> <li>• Line, XLine, Rectangle, Copy, Offset</li> <li>• Polygen, Array, Move, Rotate</li> </ul>
4.	3.30pm to 7 pm	<ul style="list-style-type: none"> <li>• Mirror, Erase, Arc, Circles, Trim</li> <li>• Extend, Scale, Stretch</li> </ul>
5.	3.30pm to 7 pm	<b>Drawing Practice:</b> <ul style="list-style-type: none"> <li>• Ellipse, Spline, Point, Donut, Extend, Break</li> <li>• Fillet, Chamfer, Explode, Divide</li> </ul>
6.	3.30pm to 7 pm	<b>Drawing Practice:</b> <ul style="list-style-type: none"> <li>• Object Selection Method</li> <li>• Drafting Settings, Properties, Match Properties, Block, Wblock</li> </ul>
7.	3.30pm to 7 pm	<b>Drawing Practice:</b> <ul style="list-style-type: none"> <li>• Hatch, Display, Order, Single line text</li> <li>• Multi line text, Table, Boundary, Region</li> </ul>
8.	3.30pm to 7 pm	<b>Drawing Practice:</b> <ul style="list-style-type: none"> <li>• Parametric Modeling &amp; Dimensioning</li> </ul>
9.	3.30pm to 7 pm	<b>Drawing Test:</b> <ul style="list-style-type: none"> <li>• Inserting Schematic Components, Symbols, Components from list</li> </ul>

  
 Principal,  
 Knowledge Institute of Technology,  
 Kakopalavam (Po), Salem-637 504.

10.	3.30pm to 7 pm	<b>Drawing Test:</b> • Connectors, Terminals, Multi-Level Terminals
11.	3.30pm to 7 pm	<b>Circuit Design Practice:</b> • Jumpers, Basic Utilities, Copying Catalogue and Location Values
12.	3.30pm to 7 pm	<b>Circuit Design Practice</b> • Swapping and Updation Blocks, Using the Auditing tools
13.	3.30pm to 7 pm	• Evaluation Test
14.	3.30pm to 7 pm	• Feedback and Valedictory

### Certification Course Schedule - Resource Person Schedule

Total Days	Timings	Resource Person	Venue
14	AN- 3.30-7.00	<b>Global CADD Technology</b> 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004	E-Block 3 <sup>rd</sup> Floor- MTLC & CC9 lab

*B. Sundar*  
CC Coordinator

*D. N. Thang*  
HoD/EEE

*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakaopalavam (Po), Salem-637 504



# GLOBAL

## CADD TECHNOLOGY

2/38, First Floor, Kalaimagal Street,  
Swarnapuri, Salem - 636 004.

■ 0427-4042435 ■ 84288 86528

■ e-mail: globalcaddtechnology@gmail.com

■ Web: www.globalcaddtech.com

Date: 01-11-17

To

THE HEAD OF THE DEPARTMENT,  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING,  
KNOWLEDGE INSTITUTE OF TECHNOLOGY,  
SALEM.

Respected Sir,

Sub: In-Campus certificate course on SOFTWARE Training for your Students at your premises - reg.

We are very glad to inform you that we are providing training and services in IT and CAD/ CAM related courses at Salem. We are providing training at-par to the requirement of reputed companies. We ensure you that our training will provide 100% knowledge to your students to work in their field with full confidence and excellence.

We are interested in joining our hands with your esteemed institution and to educate software oriented courses for your students from various academic disciplines. So we kindly request you to provide us with an opportunity to implement SOFTWARE related curriculum for your students.


We are well equipped to conduct in-campus training classes for your students to your convenient schedule.

Looking forward to your favorable reply

Thanking you Sir.

Yours truly,  
For GLOBAL CADD TECHNOLOGY.

  
(S.SIVARAJ)  
MANAGING PARTNER

  
Principal,  
Knowledge Institute of Technology  
Kekapalavam (Po), Salem-637

# GLOBAL

## CADD TECHNOLOGY

2/38, First Floor, Kalaimagal Street,  
Swarnapuri, Salem - 636 004.

■ 0427-4042435 ■ 84288 86528

■ e-mail: globalcaddtechnology@gmail.com

■ Web: www.globalcaddtech.com

### COMPANY PROFILE

We are happy to introduce ourselves as professionals experienced from various backgrounds such as Educational sector, Industrial R&D (Research & Development), Industrial service sector and Industrial technical sector.

The "M/s.Global Cadd Technology" institution was established in the year 2008 for the purpose of providing good software education in design field in a cost effective manner.

We as a team and based on our experience are aware of the fact what the industrial and professional sector requires from a fresher. We impart those qualities in our students to take a good career path.

Now we have expanded our operation by becoming franchisee of

"M/S. CADD TECHNOLOGIES SCHOOL OF DESIGN PVT LTD" who is the pioneer in CADD training field as a authorized training partner for AUTODESK and PTC UNIVERSITY.

CADD TECHNOLOGIES SCHOOL OF DESIGN PVT LTD as a company is always committed for quality training in updated technology which will serve the student community in terms of industry requirement, self fulfillment, and industry solutions for which it has framed an advisory committee which includes people from the industry, leading educational institutions and well wishers who are backing us to strengthen our presence in the market.

"M/S.MATCOM SYSTEMS ", the sister concern of "M/S. CADD TECHNOLOGIES SCHOOL OF DESIGN PVT LTD" is the pioneer in the field of technical computing solutions. They provide solutions for the industries, researchers and academicians through the MATLAB, Arduino based Embedded system design, LabVIEW, OrCAD, VLSI design tools and other software tools in terms of Signal Analysis and Processing, Data Processing, Image and Video Processing based applications.



Principal,  
Knowledge Institute of Technology  
Kakanalavam (Po), Salem-637

Empowering Cadd Trainees



# GLOBAL

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Swarnapuri, Salem - 636 004.

■ 0427-4042435 ■ 84288 86528

■ e-mail: globalcaddtechnology@gmail.com

■ Web: www.globalcaddtech.com

Our other franchisee partner

**"M/S.KALVI HIGHER EDUCATION AND RESEARCH INSTITUTE"**, is one of the foremost  
Computer Education Institute in India.

Kalvi Institute in the field of training for Information Technology people Offers International  
Certification like IBM, Microsoft, Adobe, Corel, Oracle, Tally, AutoDesk, HP, Cisco, C,C++  
Institute, Linux, CompTIA, Toefl, GRE, Intel.

In this competitive field many such institutions take this service in a commercial manner and their  
training is only in the software level. This training may not be sufficient for a student to prove his  
capability in entry level of top companies. We have specialized and customized training, tailored to  
meet specific industrial requirements.

*P.M.*  
Principal,  
Knowledge Institute of Technology  
Changanayam (Po), Salem-637 602

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
 Department of Electrical and Electronics Engineering  
 Certification Course  
 Students Attendance

Academic Year: 2017-2018

Name of the Course: Electrical wiring circuit design using Electrical CAD

Year/Sem: II/III

II/III

Timing: 3.30pm to 7.00pm

S.No	Register No	Name of the Student	22.01.18	23.01.18	24.01.18	25.01.18	27.01.18	29.01.18	30.01.18	31.01.18	01.02.18	02.02.18	03.02.18	05.02.18	06.02.18	07.02.18
1	611216105001	AJAY KUMAR K	/	/	/	a	/	/	/	/	/	/	/	/	/	/
2	611216105002	ASHOKRAJA M	/	/	/	/	/	/	/	/	/	/	/	/	/	d
3	611216105005	BRUNTHA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	611216105006	CHANDRA PRAKASH D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	611216105007	CIBI KRISHNAN K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	611216105008	DHANVIN R	/	/	/	/	a	/	/	/	/	/	/	/	/	/
7	611216105009	DHEENADHAYAL B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	611216105011	ELAKIYA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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12	611216105016	GOWSALYA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	611216105017	GOWTHAM S	/	/	/	/	/	/	/	/	/	a	/	/	/	/
14	611216105020	ILAMATHY R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	611216105021	INFANT RAJ F	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	611216105022	ISWARYA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	611216105023	JANANI B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	611216105025	KAMALAPRIYA SVAMOORTHY	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	611216105026	KANNAN R K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	611216105029	KIRANRAJ K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	611216105030	KRITHIGA A K	/	a	/	/	/	/	/	/	/	/	/	/	/	/
22	611216105031	LOGANATHAN G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	611216105032	LOGAPRIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	611216105033	MAHESHKUMAR S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	611216105034	MAHESWARI L	/	/	/	/	/	/	/	/	/	/	/	/	/	a
26	611216105036	MANOPRIYA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	611216105037	MOHAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	611216105040	MONICA S L	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	611216105042	MUGESHRAJ R	/	/	/	/	/	/	/	/	a	/	/	/	/	/
30	611216105043	NANDHINI G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	611216105045	NAVEENVIGNESH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	611216105046	NIVETHA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	611216105049	POONGODI A	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Principal,  
 Knowledge Institute of Technology  
 Akaoalavam (Po), Salem-637 504



S.No	Register No	Name of the Student	22.01.18	23.01.18	24.01.18	25.01.18	27.01.18	29.01.18	30.01.18	31.01.18	01.02.18	02.02.18	03.02.18	05.02.18	06.02.18	07.02.18
34	611216105040	POONKULAN S.	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	611216105051	POOVARASAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36	611216105052	PREETHA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37	611216105053	PREETHI K A	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38	611216105057	PUGALARASAN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39	611216105059	RAMYA S	/	/	a	/	/	/	/	/	/	/	/	/	/	/
40	611216105061	RANJITH P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41	611216105063	SANGEETHA P R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42	611216105064	SARANRAJ S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43	611216105066	SHARNILA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44	611216105070	SOUNDHARYADEVI G	/	/	/	/	/	/	a	/	/	/	/	/	/	/
45	611216105071	SRI BALAJI B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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55	611216105087	YUVARAJ N	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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57	611216105305	GOKULNATH K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58	611216105306	MADHANKUNAR J	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59	611216105307	MANI SHANKAR M	/	/	/	/	/	/	a	/	/	/	/	/	/	/
60	611216105309	NAVENKUMAR R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61	611216105310	PRASANTH M	/	/	/	/	/	/	/	/	a	/	/	/	/	/
62	611216105311	PRAVEEN D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63	611216105314	RAGUL S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64	611216105315	RAHAMAN K S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
65	611216105319	THAMARASELVAN R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
No of Students Present			65	64	63	64	64	64	64	65	64	63	64	65	65	64
No of Students Absent			0	1	2	1	1	1	1	0	1	2	1	0	0	1

*B. Sundarashis*  
CC Coordinator

*Principal*

*D. V. ...*  
HoD/EEE

Knowledge Institute of Technology  
Chakraborty  
(Po), Salem-637 504



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Certificate Course Evaluation Test Question Paper

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2017-2018		
Year/Sem:	II / IV		
Name:	P. Swetha		
Reg No:	611216105074	Date:	7.2.18

### Part A

(10x2=20)

1. Define Cad?
2. What Is Cad System?
3. List the Elements Of Cad; (or) Various Phases Of Cad?
4. Compare 2d Vs 3d?
5. What Are The Various 2d Transformations?
6. What Are The Advantages Of Solid Modeling?
7. What Is Drawing Entities?
8. What Are The Editing Commands In Cad?
9. What Is B-rep – Boundary Representation?
10. What Is Csg – Constructive Solid Geometry?


### Part B

(15X2=30)

1. Draw the Electrical Symbols of Resistor, Capacitor, Inductor, Thyristor, TRIAC, DIAC, 1 phase Induction motor, Synchronous motor and Transformer in CAD Software.
2. Design the following IC of the logic gates AND, OR, EX-OR, NAND using CAD Software.

S.No	Particulars	Marks Allocated	Marks Awarded
1	Test	50	40
2	Viva- Voce	20	20
3	Assignments and Participation	30	25
Total		100	85

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po). Salem-637 50

  
Evaluator Sign





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Certificate Course Evaluation Test Question Paper

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2017-2018		
Year/Sem:	II / IV		
Name:	B. Sri Balaji		
Reg No:	611216105071	Date:	7.2.18

### Part A

(10x2=20)

1. Define Cad?
2. What Is Cad System?
3. List the Elements Of Cad; (or) Various Phases Of Cad?
4. Compare 2d Vs 3d?
5. What Are The Various 2d Transformations?
6. What Are The Advantages Of Solid Modeling?
7. What Is Drawing Entities?
8. What Are The Editing Commands In Cad?
9. What Is B-rep – Boundary Representation?
10. What Is Csg – Constructive Solid Geometry?

### Part B

(15X2=30)

1. Draw the Electrical Symbols of Resistor, Capacitor, Inductor, Thyristor, TRIAC, DIAC, 1 phase Induction motor, Synchronous motor and Transformer in CAD Software.
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1	Test	50	40
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3	Assignments and Participation	30	30
<b>Total</b>		<b>100</b>	<b>85</b>

*Pm*

Principal,

Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 502

*[Signature]*  
Evaluators Sign

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Certification Course Evaluation Mark Statement**


Academic Year: 2017-18

Year/Sem: II/IV

Date: 07.02.18

Name of the Course: Electrical wiring circuit design using Electrical CAD

S.No	Register No	Name of the Student	Mark Secured (100)	STATUS
1	611216105001	AJAY KUMAR K	72	Certified
2	611216105002	ASHOKRAJA M	68	Certified
3	611216105005	BRUNTHA S	88	Certified
4	611216105006	CHANDRA PRAKASH D	72	Certified
5	611216105007	CIBI KRISHNAN K	94	Certified
6	611216105008	DHANVIN R	84	Certified
7	611216105009	DHEENADHAYAL B	96	Certified
8	611216105011	ELAKIYA V	59	Certified
9	611216105012	ELAVARASAN K	66	Certified
10	611216105013	FRANCO SELVANATHAN J	75	Certified
11	611216105014	GOKULAPRIYA A	75	Certified
12	611216105016	GOWSALYA V	96	Certified
13	611216105017	GOWTHAM S	72	Certified
14	611216105020	ILAMATHY R	85	Certified
15	611216105021	INFANT RAJ F	78	Certified
16	611216105022	ISWARYA V	85	Certified
17	611216105023	JANANI B	78	Certified
18	611216105025	KAMALAPRIYA SIVAMOORTHY	85	Certified
19	611216105026	KANNAN R K	80	Certified
20	611216105029	KIRANRAJ K	91	Certified
21	611216105030	KRITHIGA A K	86	Certified
22	611216105031	LOGANATHAN G	84	Certified
23	611216105032	LOGAPRIYA S	94	Certified
24	611216105033	MAHESHKUMAR S	90	Certified
25	611216105034	MAHESWARI L	91	Certified
26	611216105036	MANOPRIYA K	86	Certified
27	611216105037	MOHAN S	84	Certified
28	611216105040	MONICA S L	96	Certified
29	611216105042	MUGESHRAJ R	85	Certified
30	611216105043	NANDHINI G	88	Certified
31	611216105045	NAVEENVIGNESH R	63	Certified
32	611216105046	NIVETHA R	88	Certified
33	611216105049	POONGODI A	72	Certified
34	611216105050	POONKUILAN S	69	Certified
35	611216105051	POOVARASAN A	75	Certified
36	611216105052	PREETHA S	96	Certified

  
 Principal,  
 Knowledge Institute of Technology  
 Kakablavam (Po). Salem-637 504



S.No	Register No	Name of the Student	Mark Secured (100)	STATUS
37	611216105053	PREETHI K A	96	Certified
38	611216105057	PUGALARASAN M	85	Certified
39	611216105059	RAMYA S	75	Certified
40	611216105061	RANJITH P	75	Certified
41	611216105063	SANGEETHA P R	79	Certified
42	611216105064	SARANRAJ S	72	Certified
43	611216105066	SHARMILA V	85	Certified
44	611216105070	SOUNDHARYADEVI G	78	Certified
45	611216105071	SRI BALAJI B	85	Certified
46	611216105073	SUTHARSANAN E	78	Certified
47	611216105074	SWETHA P	85	Certified
48	611216105077	THOGAI VADIVU V	80	Certified
49	611216105078	UDHAYA I	91	Certified
50	611216105079	VASHIFA S	86	Certified
51	611216105083	VIGNESHWARAN K	84	Certified
52	611216105084	VINOTHKUMAR A	94	Certified
53	611216105085	YAGESHWARAN S	69	Certified
54	611216105086	YUHANA SHERIN S	91	Certified
55	611216105087	YUVARANI N	86	Certified
56	611216105304	DHARMAVARDHANAN K	84	Certified
57	611216105305	GOKULNATH K	96	Certified
58	611216105306	MADHANKUMAR J	85	Certified
59	611216105307	MANI SHANKAR M	86	Certified
60	611216105309	NAVEENKUMAR R	84	Certified
61	611216105310	PRASANTH M	94	Certified
62	611216105311	PRAVEEN D	64	Certified
63	611216105314	RAGUL S	85	Certified
64	611216105315	RAMANAN K S	61	Certified
65	611216105319	THAMARAISELVAN R	78	Certified

B. Sundar <sup>7/2/18</sup>  
CC Coordinator

D. V. Hase <sup>7/2/18</sup>  
HoD/EEE

*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po). Salem-637 504



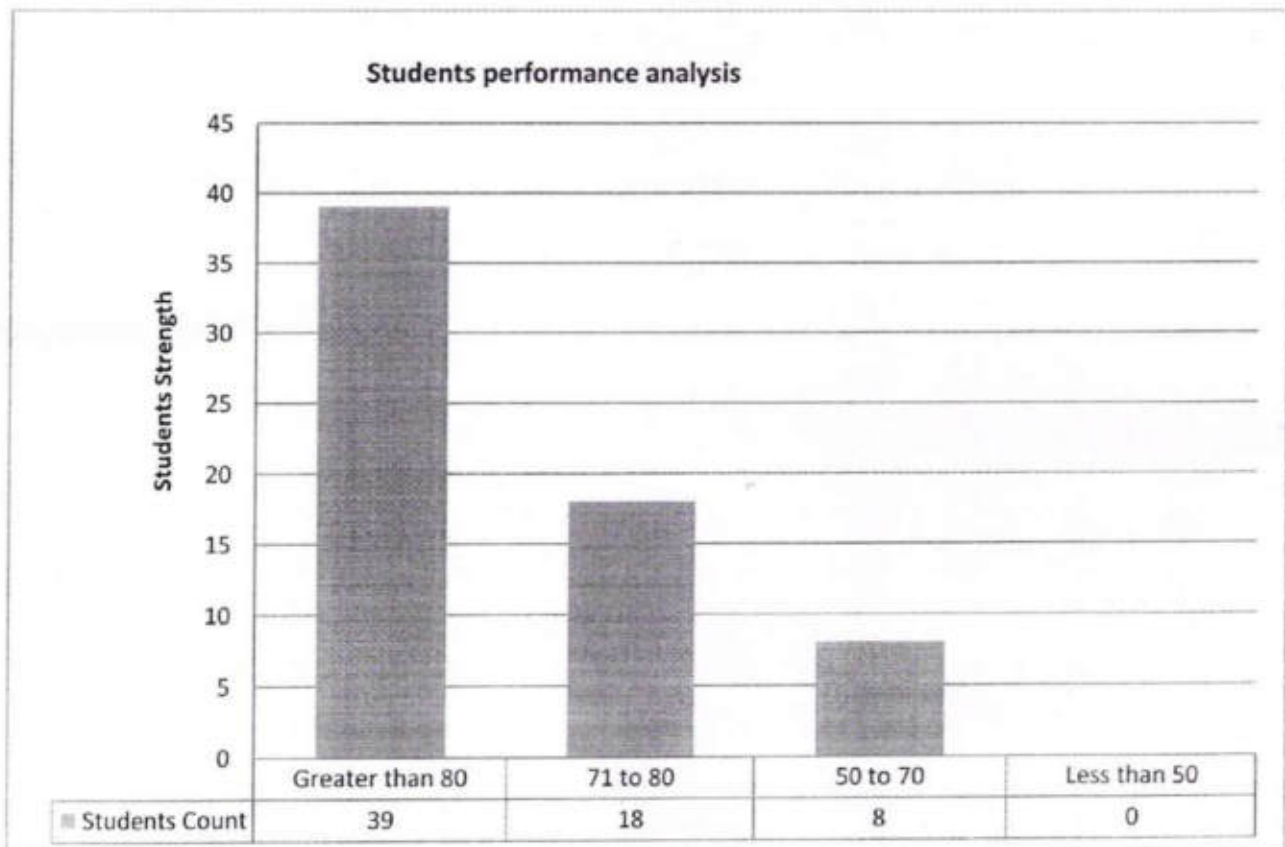
# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Mark Evaluation Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2017-2018		
Year/Sem:	II / IV	Date:	22.1.18 to 7.2.18

Total No of Students Enrolled: 65



*B. Sankar*  
CC Coordinator

*D. V. Raju*  
HoD/EEE

*P. M.*  
Principal,  
Knowledge Institute of Technology,  
Kakkanad (On) Salem-537-504





Beyond Knowledge

# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai (Accredited by NAAC))

NH - 47, KIOT COMPUS, KAKAPALAYAM, SALEM - 637 504.

## GLOBAL CADD TECHNOLOGY

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. SHARMILA . V - II - EEE

Reg. No. 611216105066 of knowledge institute of technology, salem has Successfully completed the certificate course on "Electrical wiring circuit design using Electrical CAD" conducted by Global CADD Technology from 22.01.2018 to 07.2.2018.

COORDINATOR

Mr.S.Sivaraj

GLOBAL CADD TECHNOLOGY

HOD

Dr.N.Suthanthira Vanitha

Professor & Head / EEE KIOT

VICE PRINCIPAL

Dr. K. Visagavel

KIOT

Principal,

Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

PRINCIPAL

Dr. PSS. Srinivasan

KIOT

CERTIFICATION COURSE



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**GLOBAL**  
**CADD TECHNOLOGY**

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE OF COMPLETION

This is to certify that ~~Mr.~~ / Ms. RAMYA . S - II - EEE

Reg. No. 611216105059 of knowledge institute of technology, salem has Successfully completed the certificate course on "Electrical wiring circuit design using Electrical CAD" conducted by Global CADD Technology from 22.01.2018 to 07.2.2018.

COORDINATOR

Mr.S.Sivaraj

GLOBAL CADD TECHNOLOGY

HOD

Dr.N.Suthanthira Vanitha

Professor & Head / EEE KIOT

VICE PRINCIPAL

Dr. K. Visagavel

KIOT

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504.

PRINCIPAL

Dr. PSS. Srinivasan

KIOT

CERTIFICATION COURSE





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NH - 47, KIOT COMPUS, KAKAPALAYAM, SALEM - 637 504.

## GLOBAL CADD TECHNOLOGY

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. MONICA . S . I - II - EEE

Reg. No. 611216105040 of knowledge institute of technology, salem has Successfully completed the certificate course on "Electrical wiring circuit design using Electrical CAD" conducted by Global CADD Technology from 22.01.2018 to 07.2.2018.

COORDINATOR  
Mr.S.Sivaraj

GLOBAL CADD TECHNOLOGY

HOD  
Dr.N.Suthanthira Vanitha  
Professor & Head / EEE KIOT

VICE PRINCIPAL  
Dr. K. Visagavel  
KIOT

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.

PRINCIPAL  
Dr. PSS. Srinivasan  
KIOT



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NH - 47, KIOT COMPUS, KAKAPALAYAM, SALEM - 637 504.

## GLOBAL CADD TECHNOLOGY

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. DHANVIN . R - II - EEE

Reg. No. 611216105008 of knowledge institute of technology, salem has Successfully completed the certificate course on "Electrical wiring circuit design using Electrical CAD" conducted by Global CADD Technology from 22.01.2018 to 07.2.2018.

COORDINATOR  
Mr.S.Sivaraj

GLOBAL CADD TECHNOLOGY

HOD  
Dr.N.Suthanthira Vanitha  
Professor & Head / EEE KIOT

VICE PRINCIPAL  
Dr. K. Visagavel  
KIOT

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

PRINCIPAL  
Dr. PSS. Srinivasan  
KIOT

CERTIFICATION COURSE





Bayanil Knowledge

# KNOWLEDGE INSTITUTE OF TECHNOLOGY

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## GLOBAL CADD TECHNOLOGY

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. BRUNTHA .S - II - EEE

Reg. No. 611216105005 of knowledge institute of technology, salem has Successfully completed the certificate course on "Electrical wiring circuit design using Electrical CAD" conducted by Global CADD Technology from 22.01.2018 to 07.2.2018.

COORDINATOR  
Mr.S.Sivaraj

GLOBAL CADD TECHNOLOGY

HOD  
Dr.N.Suthanthira Vanitha  
Professor & Head / EEE KIOT

VICE PRINCIPAL

Dr. K. Visagavel

KIOT

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

PRINCIPAL  
Dr. PSS. Srinivasan  
KIOT

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FEEDBACK FORM**

Type of Course:  Certificate /  Value Added /  Vocational Educational Training

Name of the Student: Rammanan. G. S.

Course Title: Electrical wiring circuit design using Electrical CAD

Year/ Sem: II / IV

Dept : EEE

Date: 7.2.18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience	✓				
Additional resources available		✓			
Overall rating about lecture and Training	✓				

**Positive points about the Lecture:**

The session was good it was a good experience for us to learn something new.  
 The course was very useful to design a circuit.

**Suggestions for improvement:**

For fast drawing we need more shortcut to use it in a easy way.

*R. S. Rammanan*

(Signature of the student)

*P. M.*

Principal,  
 Knowledge Institute of Technology,  
 Kekapalayam (Po), Salem-637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FEEDBACK FORM**

Type of Course:  Certificate / Value Added / Vocational Educational Training

Name of the Student: *Soundharyadevi. G.*

Course Title: *Electrical wiring circuit design using Electrical CAD.*

Year/ Sem: *II/IV*

Dept : *EEE*

Date: *7.2.18.*

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery	✓				
Practical Experience		✓			
Additional resources available	✓				
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

*The course was very useful, to learn embedded program and to design a circuit in a way I understand.*

Suggestions for improvement:

*want more practical learning than teaching.*

*Soundharyadevi. G.*  
 (Signature of the student)

*[Signature]*  
 Principal,  
 Knowledge Institute of Technology  
 Kakapalayam (Po), Salem-637 504

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FEEDBACK FORM**

Type of Course:  Certificate /  Value Added /  Vocational Educational Training

Name of the Student: *Nivetha.R*

Course Title: *Electrical wiring circuit using electrical CAD.*

Year/Sem: *II / IV*

Dept : *EEE*

Date: *7.2.18*

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery	✓	✗			
Practical Experience	✓				
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

*I learned to design a Program using microcontroller and rectify the errors etc..*

Suggestions for improvement:

*We need weekly 4 hours to enhance our practical knowledge and real time experience.*

*Nivetha*  
 (Signature of the student)

*Pm*  
 Principal,  
 Knowledge Institute of Technology  
 Kakapelavam (Po), Salem-637 402



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FEEDBACK FORM**

Type of Course:  Certificate /  Value Added /  Vocational Educational Training

Name of the Student: Ashokraj M.

Course Title: Electrical wiring circuit design using Electrical CAD

Year/ Sem: II/IV

Dept : EEE

Date: 7.2.18


Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery		✓			
Practical Experience	✓				
Additional resources available		✓			
Overall rating about lecture and Training	✓				

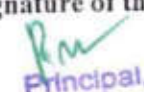
Positive points about the Lecture:

I learned a lot in this course. It is very useful for us as it is advanced level of wiring course.

Suggestions for improvement:

Course atleast continuously for 10 days.

  
(Signature of the student)

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-6

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FEEDBACK FORM**

Type of Course:  Certificate / Value Added / Vocational Educational Training

Name of the Student: *Jarani .B .*

Course Title: *Electrical wiring circuit design using electrical CAD.*

Year/ Sem: *II / IV*

Dept : *EEE*

Date: *7.2.18*

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience	✓				
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

*we had good practical exposure. learnt lot. Teaching was good and cleared all doubts, and to verify the errors etc...*

Suggestions for improvement:

*we need more practical classes for more experience.*

*Jarani.B.*

(Signature of the student)

*Rm*

Principal,

Knowledge Institute of Technology  
 Kakaoalayam (Po), Salem-637 604





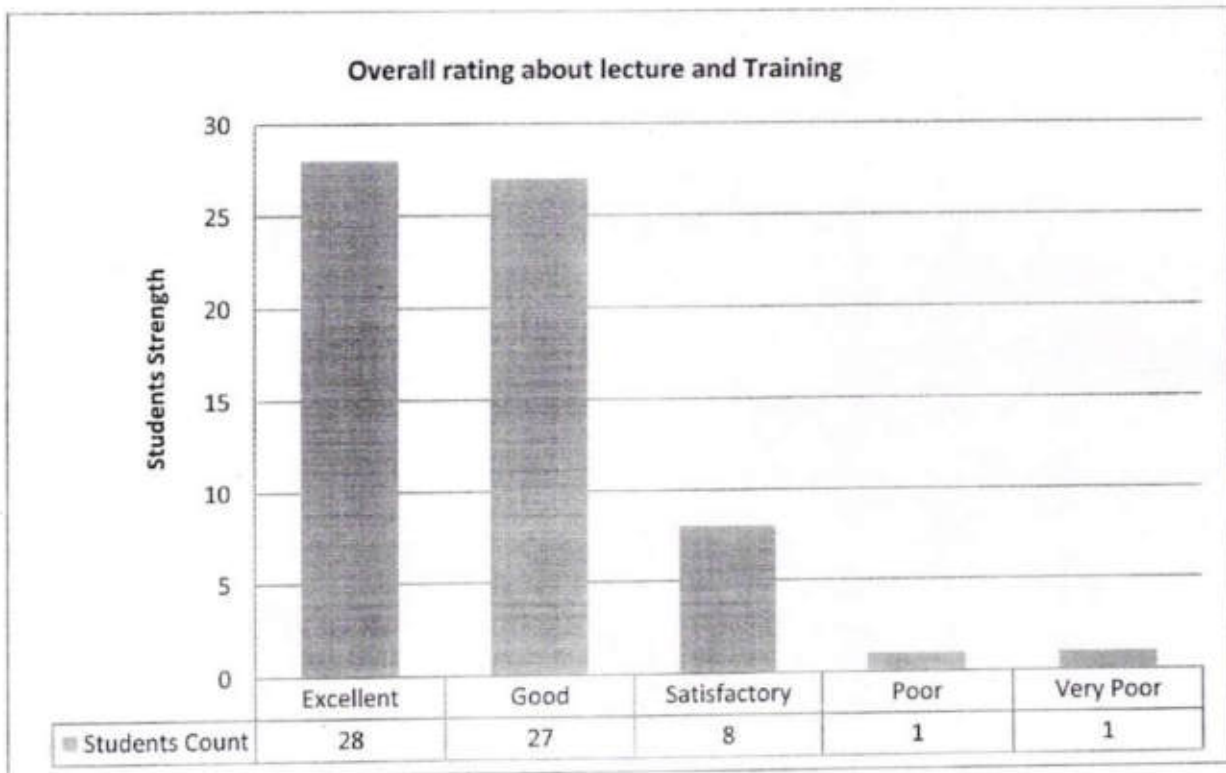
# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Feedback Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2017-2018		
Year/Sem:	II / IV	Date:	22.1.18 to 7.2.18

Total No of Students Enrolled: 65



*B. Sankar*  
CC Coordinator

*D. V. Hage*  
HoD/EEE

*pm*

Principal,

Knowledge Institute of Technology  
Kekapalayam (Po), Salem-637 504



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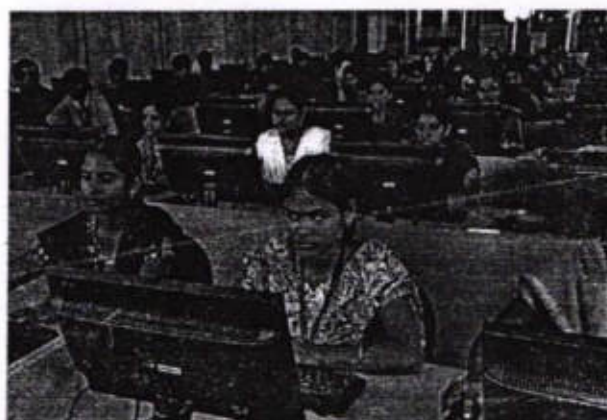
Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	12.06.2018 - 15.06.2018	<b>Resource person</b>	Prof. P.Sachidhanandam, Assistant Professor,CSE, KIOT
<b>Time</b>	1.00pm – 5.00pm	<b>Title</b>	Problem Solving and Computer Programming using E-Box (Module I)
<b>Venue</b>	CC7 & CC8	<b>No. of Participants</b>	<b>259</b>

The Course Outcome are:

- Develop a Computer program for given problem
- Control the sequence of the program and give logical outputs
- Implement the strings in computer program
- Store different data types in the same memory
- Manage I/O operations in computer program
- Repeat the sequence of instructions and points for a memory location
- Apply code reusability with functions and pointers
- Understood the basics of file handling mechanisms
- Understood the uses of pre-processors and various memory models



**Encl: Circular / Brochure / Attendance Sheet**

*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## Problem Solving and Computer Programming using E-Box (Module I)

### Course Syllabus

#### Fundamentals in Computer Programming

- ✓ A Simple Program
- ✓ Program execution phases
- ✓ Backslash character constants
- ✓ Character set
- ✓ Constants
- ✓ Number systems
- ✓ Format specifiers
- ✓ Identifiers, Keywords
- ✓ Variables, Data Types
- ✓ Declaration of Variable
- ✓ Assigning Values to Variables
- ✓ Initialization, Comments
- ✓ Const Qualifier
- ✓ Basic Structure of a 'C' program
- ✓ Programming Examples

#### Operators and Expressions

- ✓ Arithmetic operators
- ✓ Increment and decrement operators
- ✓ Relational operators
- ✓ Logical operators
- ✓ The bitwise operators
- ✓ The assignment operators
- ✓ The conditional operator
- ✓ The size of operator
- ✓ The comma operator

#### Data types

- ✓ Modifiers
- ✓ Format specifiers
- ✓ Dealing with each data types
- ✓ Memory representation of each type
- ✓ Control statements
- ✓ Conditional Control Statements
- ✓ If, if-else, nested if-else
- ✓ else-if ladder
- ✓ Multiple Branching Control Statement
- ✓ switch-case

#### Function

- ✓ What is function?
- ✓ Why function?
- ✓ Advantages of using functions
- ✓ Function Prototype
- ✓ Defining a function
- ✓ Calling a function
- ✓ Return statement, Types of functions

#### Pointer

- ✓ Def of Pointer
- ✓ Declaration of Pointer Variables
- ✓ Assigning Address to Pointer Variables
- ✓ De-referencing Pointer Variables
- ✓ Pointer to Pointer
- ✓ Pointer Arithmetic, Pointer comparisons
- ✓ De-reference and increment pointer
- ✓ pointer to const data, const pointer
- ✓ const pointer to const data
- ✓ Void pointer or Generic Pointer
- ✓ Null pointer

#### Pointer and Function

- ✓ Parameter Passing Techniques call by value, call by address
- ✓ Using Pointers as Arguments Function Returning value
- ✓ Returning More than one value From A Function
- ✓ Functions Returning Address
- ✓ Function Returning Pointers
- ✓ Dangling pointer

#### Pointer to a Function

- ✓ Calling A function through function pointer
- ✓ passing A function's address as an Argument to other function
- ✓ Functions with variable number of arguments

*Pm*

Principal,

Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

02.06.2017

Salem

From

Prof.R.Saranya,  
Assistant Professor,  
Department of Computer Science and Engineering  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**


We have planned to conduct certification course on "Problem Solving and Computer Programming using E-Box (Module I)" from 12.06.2017 -21.06.2017 for a period of 08 days with the duration of 32 hours. This course will be helpful for the skill development and placement of our II year students. In this regard, we request you to endowment as permission to conduct the course.

The course details are as follows:

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module I)	CC7, CC8 12.06.2017 -21.06.2017 1.00pm - 5.00pm	Prof . P.Sachidhanandam Assistant Professor, Department of Computer Science and Engineering

Thank you,


Yours truly,



PRINCIPAL



HOD/CSE



Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po). Salem-637 504





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

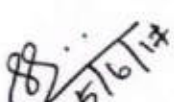
## Department of Computer Science and Engineering

<b>Circular No.</b>	2017/CC/ODD/01	<b>Date</b>	05.06.2017
<b>To</b>	All II year Students		
<b>Name of the subject</b>	Certificate Course on Problem Solving and Computer Programming using E-Box (Module I)		


This is to inform you that Department of Computer Science and Engineering in association with Oracle Academy has planned to conduct a **CERTIFICATE COURSE** on **Problem Solving and Computer Programming using E-Box (Module I)** for ALL the II year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module I)	CC7, CC8 12.06.2017 -21.06.2017 & 1.00pm - 5.00pm	<b>Prof . P.Sachidhanandam</b> Assistant Professor, Department of Computer Science and Engineering

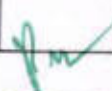
Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

  
FACULTY INCHARGE

  
HOD/CSE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

  
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17-18

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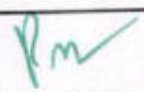
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

12.06.2017 - 21.06.2017

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	II A	611216104002	AISHWARYA R
2	II A	611216104008	AYSHWARYAA N
3	II A	611216104011	BOPESH NANDHA P
4	II A	611216104020	GANESH RAJU R D
5	II A	611216104022	GOKUL S
6	II A	611216104030	HARIHARASUDHAN C
7	II A	611216104036	HARSHITHA R
8	II A	611216104037	INBARAJ S
9	II A	611216104041	JEEVA S
10	II A	611216104045	KALAISELVI B
11	II A	611216104050	KAVIPRIYA R
12	II A	611216104058	MADHUMIDA S
13	II A	611216104061	MANIVASAGAM C
14	II A	611216104069	NARMADHA R
15	II A	611216104070	NAVEEN B
16	II A	611216104072	NIVETHA S
17	II A	611216104075	POOVIZHI M
18	II A	611216104083	RUBIGHA M
19	II A	611216104084	SANDOSH S
20	II A	611216104086	SARANYA D
21	II A	611216104087	SARAVANA DHARSAN S
22	II A	611216104091	SHARMILA L
23	II A	611216104093	SHARMITHA D K
24	II A	611216104099	SREEDHARSINI V
25	II A	611216104100	SRIGOKULNATH S
26	II A	611216104104	SUPRAJA P
27	II A	611216104105	SWATHI R

  
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28	II A	611216104106	TASNEEM FIRDOUSE S
29	II A	611216104107	VANITHAPRIYA N
30	II A	611216104108	VARSHINI O
31	II A	611216104109	VASEEHARAN P G
32	II B	611216104005	ANUREKA J
33	II B	611216104007	ASMITHHA N K
34	II B	611216104010	BHAVATHARANI S
35	II B	611216104017	DINAKARAN M
36	II B	611216104021	GAYATHRI S
37	II B	611216104025	GOWTHAM P V
38	II B	611216104032	HARINI SRI R
39	II B	611216104034	HARISH V
40	II B	611216104040	JAYASHRI R
41	II B	611216104044	JOTHEESHWARI B
42	II B	611216104047	KANMANI V
43	II B	611216104054	KUMARI SNEHAL JHA
44	II B	611216104057	MADHAVAN P
45	II B	611216104060	MANESHA S
46	II B	611216104064	MANOJ KUMAR V
47	II B	611216104066	MYLESHEN P
48	II B	611216104067	NANDHIKA R
49	II B	611216104076	PRANESHA R A
50	II B	611216104078	PRITHIVIRAJ K
51	II B	611216104080	PRIYADHARSINI V
52	II B	611216104082	ROHAN KUMAR S
53	II B	611216104088	SATHISH L
54	II B	611216104095	SIVABALAN P
55	II B	611216104110	VIMAL P
56	II B	611216104111	YUVA PERETHIKA M

Faculty Incharge

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

12.06.2017-21.06.2017 | Students Enrollment List

Sl.No	Year	Register Number	Student Name
1	III	611215105001	AARTHI A
2	III	611215105003	AKILA K
3	III	611215105005	ALAGUVAIRAVASUNDARAM S
4	III	611215105008	ANBALAGAN R
5	III	611215105010	ARUN K
6	III	611215105012	BALA MURUGAN.M
7	III	611215105019	DEEPAN RAJ.R
8	III	611215105020	DEEPTHIKA.B
9	III	611215105023	DHIVISHYA.M
10	III	611215105027	GANESH KUMAR.P.R
11	III	611215105028	GNANESHWARI.M.N
12	III	611215105029	GOKUL.D
13	III	611215105031	GOPALA KRISHNAN.S
14	III	611215105036	JAYASHREE.J
15	III	611215105039	KARTHICK K
16	III	611215105040	KARTHIKA V
17	III	611215105041	KAVIN.R
18	III	611215105046	KIRUTHIKA. M
19	III	611215105049	KOWSALYA.V
20	III	611215105053	MANIKANDAN A
21	III	611215105054	MANI KANDAN.T
22	III	611215105055	MANISHA.P
23	III	611215105057	MOHANA PRIYA R
24	III	611215105061	NAVEENA P
25	III	611215105063	NIVETHA S
26	III	611215105065	PAVITHIRAN.P
27	III	611215105068	PAVITHIRAN.P
28	III	611215105069	PRABHA DEVI.C
29	III	611215105078	RAJENDIRAN.K
30	III	611215105083	SAI SOUNDARYA K
31	III	611215105084	SANDHIYA M
32	III	611215105088	SANTHOSH M
33	III	611215105090	SANTHOSHIVAN N V
34	III	611215105094	SENTHILKUMAR S
35	III	611215105047	KOWSALYA.K
36	III	611215105097	SONIYA R
37	III	611215105101	SRIMATHI R
38	III	611215105103	SRIVIDHYA.S
39	III	611215105106	SURUTHI.R
40	III	611215105111	THANGAPANDIYAN.S
41	III	611215105114	THISHAM S
42	III	611215105119	YUVALAKSHMI D
43	III	611215105301	ARUNKUMAR K
44	III	611215105304	HARIHARAN P
45	III	611215105062	NAVINA L.R
46	III	611215105312	SIVA G
47	III	611215105313	THAMARAI SELVAN S



48	III	611215105316	VIGNESHWARAN S
49	III	611215105006	ANANDHA PADMANABAN.V
50	III	611215105007	ANANTH S
51	III	611215105009	ANBARASI.T
52	III	611215105071	PRADEEP M
53	III	611215105011	ASWINKUMAR.K.G
54	III	611215105016	BHAVANLP
55	III	611215105017	CHIBIMUKIL N
56	III	611215105025	DIWAKARAN T
57	III	611215105030	GOKULRAJ R
58	III	611215105035	HARIHARAN.E
59	III	611215105037	JEEVA M
60	III	611215105085	SANGEETHA K
61	III	611215105038	KANNAN.P
62	III	611215105042	KAVYAA K
63	III	611215105043	KEERTHANA C
64	III	611215105044	KIRTHIKA SOWMINI M.J.R
65	III	611215105050	KOWSHIKA V
66	III	611215105051	KRISHNAMOORTHP
67	III	611215105064	PASUPATHI A
68	III	611215105066	PAVITHRA P
69	III	611215105070	PRABHAKARAN R
70	III	611215105075	PRIYADHARSHINI A
71	III	611215105077	RAHUL NATARAJAN K
72	III	611215105079	RANSHIYA R
73	III	611215105108	SUWATHI R
74	III	611215105081	RAYSHMIKA R B
75	III	611215105087	SANTHIYA K K
76	III	611215105089	SANTHOSH R
77	III	611215105092	SELVARAJ A
78	III	611215105095	SHANMUGAPRIYA K
79	III	611215105099	SOWMIYA.M
80	III	611215105100	SRIDHAR P
81	III	611215105109	TAMILARASAN.S
82	III	611215105113	THIRUGNANARAMAN.S.V
83	III	611215105115	VASANTHAKUMAR.M
84	III	611215105117	VIGNESHWARAN.S
85	III	611215105303	GUNASEKARAN A
86	III	611215105307	PAVITHRA R
87	III	611215105309	PIRAI SUDAN S
88	III	611215105314	UMASANKAR S
89	III	611215105315	VENNILA R

*B. Sandhya*  
12/05/17  
Dept. CC Coordinator

*D. V. Jay*  
HOD/EEE

*pm*  
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Knowledge Institute of Technology  
Vakapalayam (PO) Salem - 637 504

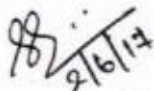
# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

## SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	AN	Fundamentals in Computer Programming, Identifiers, Keywords Variables, Data Types, Declaration of Variable
DAY 2	AN	Operators and Expressions, Data types, Control statements Conditional Control Statements
DAY 3	AN	Function, Function Prototype, Defining a function, Calling a function
DAY 4	AN	Recursion, Nested functions, main() function, Library Function, Local and global variables
DAY 5	AN	Pointer, Def of Pointer, Declaration of Pointer Variables, Assigning Address to Pointer Variables, De-referencing Pointer Variables
DAY 6	AN	Pointer to Pointer, Pointer Arithmetic, Pointer comparisons, De-reference and increment pointer, pointer to const data, const pointer
DAY 7	AN	Pointer and Function, Parameter Passing Techniques call by value, call by address, Using Pointers as Arguments Function Returning value
DAY 8	AN	Calling A function through function pointer, passing A function's address as an Argument to other function, Functions with variable number of arguments

  
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)


12.06.2017 - 21.06.2017 | Course Attendance

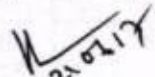
Sl.No	Year	Register Number	Student Name	12.6.17	13.6.17	14.6.17	15.6.17	16.6.17	19.6.17	20.6.17	21.6.17
1	II A	611216104002	AISHWARYA R	/	/	/	/	/	/	/	/
2	II A	611216104008	AYSHWARYA A N	/	/	/	/	/	/	/	/
3	II A	611216104011	BOPESH NANDHA P	/	/	/	/	/	/	/	/
4	II A	611216104020	GANESH RAJU R D	/	/	/	a	/	/	/	/
5	II A	611216104022	GOKUL S	/	/	/	/	/	/	/	/
6	II A	611216104030	HARIHARASUDHAN C	/	/	/	/	/	/	/	/
7	II A	611216104036	HARSHITHA R	/	/	/	/	/	/	/	/
8	II A	611216104037	INBARAJ S	/	/	/	/	/	/	/	/
9	II A	611216104041	JEEVA S	/	/	/	/	/	/	/	/
10	II A	611216104045	KALAISELVI B	/	/	/	/	/	/	/	/
11	II A	611216104050	KAVIPRIYA R	/	/	/	/	/	/	/	/
12	II A	611216104058	MADHUMIDA S	a	/	/	/	/	/	/	/
13	II A	611216104061	MANIVASAGAM C	/	/	/	/	/	/	/	/
14	II A	611216104069	NARMADHA R	/	/	/	/	/	/	/	/
15	II A	611216104070	NAVEEN B	/	/	/	/	/	/	/	/
16	II A	611216104072	NIVETHA S	/	/	/	/	/	/	/	/
17	II A	611216104075	POOVIZHI M	/	a	/	/	/	/	/	/
18	II A	611216104083	RUBIGHA M	/	/	/	/	/	/	/	/
19	II A	611216104084	SANDOSH S	/	/	/	/	/	/	/	/
20	II A	611216104086	SARANYA D	/	/	/	/	/	/	/	/
21	II A	611216104087	SARAVANA DHARSAN S	/	/	/	/	/	/	/	/
22	II A	611216104091	SHARMILA L	/	/	/	/	/	/	/	/
23	II A	611216104093	SHARMITHA D K	/	/	/	/	/	/	/	/
24	II A	611216104099	SREEDHARSINI V	/	/	/	/	/	/	/	/
25	II A	611216104100	SRIGOKULNATH S	/	/	/	/	/	/	/	/
26	II A	611216104104	SUPRAJA P	/	/	/	/	/	/	/	/
27	II A	611216104105	SWATHI R	a	/	/	/	/	/	a	/
28	II A	611216104106	TASNEEM FIRDOUSE S	/	/	/	/	/	/	/	/
29	II A	611216104107	VANITHAPRIYA N	/	/	/	/	/	/	/	/
30	II A	611216104108	VARSHINI O	/	/	/	/	/	/	/	/
31	II A	611216104109	VASEEHARAN P G	/	/	/	/	/	/	/	/
32	II B	611216104005	ANUREKA J	/	/	/	/	/	/	/	/
33	II B	611216104007	ASMITHHA N K	/	/	/	/	/	/	/	/

*Pm*

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34	II B	611216104010	BHAVATHARANIS	/	/	/	/	/	/	/	/
35	II B	611216104017	DINAKARAN M	/	/	/	/	/	/	/	/
36	II B	611216104021	GAYATHRI S	/	/	/	/	/	/	/	/
37	II B	611216104025	GOWTHAM P V	/	/	a	/	/	/	/	/
38	II B	611216104032	HARINI SRI R	/	/	/	/	/	/	/	/
39	II B	611216104034	HARISH V	/	/	/	/	/	/	/	/
40	II B	611216104040	JAYASHRI R	/	/	/	/	/	/	/	/
41	II B	611216104044	JOTHEESHWARI B	/	/	/	/	/	/	/	/
42	II B	611216104047	KANMANI V	/	/	/	/	/	/	/	/
43	II B	611216104054	KUMARI SNEHAL JHA	/	/	/	/	/	/	/	/
44	II B	611216104057	MADHAVAN P	/	/	/	/	/	/	/	/
45	II B	611216104060	MANESHA S	/	/	/	/	/	/	/	/
46	II B	611216104064	MANOJ KUMAR V	/	/	/	/	/	/	/	/
47	II B	611216104066	MYLESHEN P	/	/	/	/	/	/	/	/
48	II B	611216104067	NANDHIKA R	/	/	/	/	/	/	/	a
49	II B	611216104076	PRANESHA R A	/	/	/	/	/	/	/	/
50	II B	611216104078	PRITHIVIRAJ K	/	/	/	/	/	/	/	/
51	II B	611216104080	PRIYADHARSINI V	/	/	/	/	/	/	/	/
52	II B	611216104082	ROHAN KUMAR S	/	/	/	/	/	/	/	/
53	II B	611216104088	SATHISH L	/	/	/	/	/	/	/	/
54	II B	611216104095	SIVABALAN P	/	/	/	/	/	/	/	/
55	II B	611216104110	VIMAL P	/	/	/	/	/	/	/	/
56	II B	611216104111	YUVA PERETHIKA M	/	/	/	a	/	/	/	/
No. of Students Present				54	55	55	54	56	56	55	55
No of Students Absent				02	01	01	02	-	-	01	01

  
Faculty Incharge

  
HOD

  
Principal,  
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Kakapalayam (Po), Salem-637 504



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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Problem Solving and Computer Programming using E-Box (Module I)**

12.06.2017-21.06.2017 | Course Attendance

Sl.No	Year	Register Number	Student Name	12.06.17	13.06.17	14.06.17	15.06.17	16.06.17	19.06.17	20.06.17	21.06.17
1	III	611215105001	AARTHI A	/	/	/	/	/	/	/	/
2	III	611215105003	AKILA K	/	/	/	/	/	/	/	/
3	III	611215105005	ALAGUVAIRAVASUNDARAM S	/	/	/	/	a	/	/	/
4	III	611215105008	ANBALAGAN R	/	/	/	/	/	/	a	/
5	III	611215105010	ARUN K	/	/	/	/	/	/	/	/
6	III	611215105012	BALA MURUGAN.M	a	/	/	/	/	/	/	a
7	III	611215105019	DEEPAN RAJ.R	/	/	/	/	/	a	/	/
8	III	611215105020	DEEPTHIKA B	/	/	/	/	/	/	/	/
9	III	611215105023	DHIVISHYA.M	/	/	/	/	/	/	/	/
10	III	611215105027	GANESH KUMAR.P.R	/	a	/	/	/	/	/	/
11	III	611215105028	GNANESHWARI.M.N	/	/	/	/	/	/	/	/
12	III	611215105029	GOKUL.D	/	/	/	/	/	/	/	/
13	III	611215105031	GOPALA KRISHNAN.S	/	/	/	/	a	/	/	/
14	III	611215105036	JAYASHREE J	/	/	/	/	/	/	/	/
15	III	611215105039	KARTHICK K	/	/	/	/	/	/	/	/
16	III	611215105040	KARTHIKA V	/	/	/	/	/	/	/	/
17	III	611215105041	KAVIN.R	/	/	/	/	/	/	/	/
18	III	611215105046	KIRUTHIKA.M	/	/	/	a	/	/	/	/
19	III	611215105049	KOWSALYA V	/	a	/	/	/	/	/	/
20	III	611215105053	MANIKANDAN A	/	/	/	/	/	a	/	/
21	III	611215105054	MANI KANDAN.T	/	/	/	/	/	/	/	/
22	III	611215105055	MANISHA.P	/	/	/	/	/	/	/	/
23	III	611215105057	MOHANA PRIYA R	/	/	/	/	/	/	/	a
24	III	611215105061	NAVEENA P	/	/	/	/	/	/	/	/
25	III	611215105063	NIVETHA S	/	a	/	/	/	/	/	/
26	III	611215105065	PAVITHIRAN.P	/	/	/	/	/	/	a	/
27	III	611215105068	PAVITHIRAN.P	/	/	/	/	/	/	/	/
28	III	611215105069	PRABHA DEVI.C	/	/	/	/	/	/	/	/
29	III	611215105078	RAJENDIRAN.K	/	/	a	/	/	/	/	/
30	III	611215105083	SAI SOUNDARYA K	/	/	/	/	/	/	/	/
31	III	611215105084	SANDHIYA M	/	/	/	a	/	/	/	/
32	III	611215105088	SANTHOSH M	/	/	/	/	/	/	/	/
33	III	611215105090	SANTHOSHIVAN N.V	/	/	a	/	/	/	/	/
34	III	611215105094	SENTHILKUMAR S	/	/	/	/	/	/	/	/
35	III	611215105047	KOWSALYA.K	/	/	/	/	/	/	/	/
36	III	611215105097	SONIYA R	/	/	/	/	a	/	/	/
37	III	611215105101	SRIMATHI R	/	/	/	/	/	/	/	/
38	III	611215105103	SRIVIDHYA.S	/	/	/	/	/	a	/	/
39	III	611215105106	SURUTHI.R	/	/	/	/	/	/	a	/
40	III	611215105111	THANGAPANDIYAN.S	/	/	a	/	/	/	/	/
41	III	611215105114	THISHAM S	/	/	/	/	/	/	/	/
42	III	611215105119	YUVALAKSHMI D	/	/	/	/	/	/	/	/
43	III	611215105301	ARUNKUMAR K	/	/	/	a	/	/	/	/
44	III	611215105304	HARIHARAN P	/	/	/	/	/	/	/	/
45	III	611215105062	NAVINA L.R	/	/	/	/	/	/	/	a
46	III	611215105312	SIVA G	/	/	/	/	/	/	/	/
47	III	611215105313	THAMARAI SELVAN S	/	/	/	/	/	/	/	/
48	III	611215105316	VIGNESHWARAN S	/	/	/	/	/	/	/	/
49	III	611215105006	ANANDHA PADMANABAN.V	/	/	/	/	/	/	/	/
50	III	611215105007	ANANTH S	/	/	/	/	/	/	/	/
51	III	611215105009	ANBARASIT	/	/	/	/	/	/	/	/
52	III	611215105071	PRADEEP M	/	/	/	/	/	/	/	/

  
**P. M. PRADEEP**  
 Knowledge Institute of Technology  
 Sakapalayam (PO) Salem - 637 504



Sl.No	Year	Register Number	Student Name	12.06.17	13.06.17	14.06.17	15.06.17	16.06.17	19.06.17	20.06.17	21.06.17
53	III	611215105011	ASWINKUMAR.K.G	/	/	a	/	/	/	/	/
54	III	611215105016	BHAVANI.P	/	/	/	/	/	/	/	/
55	III	611215105017	CHIBIMUKIL N	/	/	/	/	/	/	/	/
56	III	611215105025	DIWAKARAN T	/	/	/	/	/	/	/	/
57	III	611215105030	GOKULRAJ R	/	/	/	/	a	/	/	/
58	III	611215105035	HARIHARAN.E	/	/	/	/	/	/	/	/
59	III	611215105037	JEEVA M	/	/	/	/	/	/	/	/
60	III	611215105085	SANGEETHA K	/	/	/	/	/	/	/	/
61	III	611215105038	KANNAN.P	/	/	/	/	/	/	/	/
62	III	611215105042	KAVYAA K	/	/	/	/	/	/	/	/
63	III	611215105043	KEERTHANA C	a	/	/	/	/	/	/	/
64	III	611215105044	KIRTHIKA SOWMINI M.J.R	/	/	/	/	/	/	/	/
65	III	611215105050	KOWSHIKA V	/	/	/	/	/	/	a	/
66	III	611215105051	KRISHNAMOORTHIP	/	/	/	/	/	/	/	/
67	III	611215105064	PASUPATHI A	/	/	/	/	/	/	/	/
68	III	611215105066	PAVITHRA P	/	/	/	/	/	/	/	/
69	III	611215105070	PRABHAKARAN R	/	/	/	/	/	/	/	/
70	III	611215105075	PRIYADHARSHINI A	/	/	/	/	/	/	/	/
71	III	611215105077	RAHUL NATARAJAN K	/	/	/	/	/	/	/	/
72	III	611215105079	RANSHIYA R	/	/	/	/	/	/	/	/
73	III	611215105108	SUWATHI R	/	/	/	/	/	/	/	/
74	III	611215105081	RAYSHMIKA R B	/	/	/	/	/	/	/	a
75	III	611215105087	SANTHIYA K K	/	/	/	/	/	/	/	/
76	III	611215105089	SANTHOSH R	/	/	/	/	/	/	/	/
77	III	611215105092	SELVARAJ A	/	/	/	/	/	/	/	/
78	III	611215105095	SHANMUGAPRIYA K	/	/	/	/	/	a	/	/
79	III	611215105099	SOWMIYA.M	/	/	/	/	/	/	/	/
80	III	611215105100	SRIDHAR P	/	a	/	/	/	/	/	/
81	III	611215105109	TAMILARASAN.S	/	/	/	/	/	/	/	/
82	III	611215105113	THIRUGNANARAMAN.S.V	/	/	/	/	/	/	/	/
83	III	611215105115	VASANTHAKUMAR.M	/	/	/	/	/	/	/	/
84	III	611215105117	VIGNESHWARAN.S	/	/	/	/	a	/	/	/
85	III	611215105303	GUNASEKARAN A	/	/	/	/	/	/	/	/
86	III	611215105307	PAVITHRA R	/	/	/	/	/	/	/	/
87	III	611215105309	PIRAI SUDAN S	a	/	/	/	/	/	/	/
88	III	611215105314	UMASANKAR S	/	/	a	/	/	/	/	/
89	III	611215105315	VENNILA R	/	a	/	/	/	/	/	/
No. of Students Present				83	84	84	86	84	85	85	85
No of Students Absent				6	5	5	3	5	4	4	4

B. Suman 21/6/17  
Dept. CC Coordinator

V. HOD/EEE 21/6/17

PR. N. LIPAL  
Knowledge Institute of Technology  
Vakapetavaram (PO) Salem - 637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

12.06.2017 - 21.06.2017 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	II A	611216104002	AISHWARYA R	66
2	II A	611216104008	AYSHWARYAA N	78
3	II A	611216104011	BOPESH NANDHA P	64
4	II A	611216104020	GANESH RAJU R D	77
5	II A	611216104022	GOKUL S	64
6	II A	611216104030	HARIHARASUDHAN C	73
7	II A	611216104036	HARSHITHA R	63
8	II A	611216104037	INBARAJ S	66
9	II A	611216104041	JEEVA S	82
10	II A	611216104045	KALAISELVI B	79
11	II A	611216104050	KAVIPRIYA R	64
12	II A	611216104058	MADHUMIDA S	80
13	II A	611216104061	MANIVASAGAM C	71
14	II A	611216104069	NARMADHA R	71
15	II A	611216104070	NAVEEN B	66
16	II A	611216104072	NIVETHA S	69
17	II A	611216104075	POOVIZHI M	77
18	II A	611216104083	RUBIGHA M	69
19	II A	611216104084	SANDOSH S	68
20	II A	611216104086	SARANYA D	79
21	II A	611216104087	SARAVANA DHARSAN S	61
22	II A	611216104091	SHARMILA L	69
23	II A	611216104093	SHARMITHA D K	72
24	II A	611216104099	SREEDHARSINI V	74
25	II A	611216104100	SRIGOKULNATH S	78
26	II A	611216104104	SUPRAJA P	84
27	II A	611216104105	SWATHI R	65
28	II A	611216104106	TASNEEM FIRDOUSE S	60

29	II A	611216104107	VANITHAPRIYA N	73
30	II A	611216104108	VARSHINI O	76
31	II A	611216104109	VASEEHARAN P G	70
32	II B	611216104005	ANUREKA J	71
33	II B	611216104007	ASMITHHA N K	63
34	II B	611216104010	BHAVATHARANI S	69
35	II B	611216104017	DINAKARAN M	79
36	II B	611216104021	GAYATHRI S	78
37	II B	611216104025	GOWTHAM P V	60
38	II B	611216104032	HARINI SRI R	77
39	II B	611216104034	HARISH V	81
40	II B	611216104040	JAYASHRI R	61
41	II B	611216104044	JOTHEESHWARI B	80
42	II B	611216104047	KANMANI V	66
43	II B	611216104054	KUMARI SNEHAL JHA	76
44	II B	611216104057	MADHAVAN P	66
45	II B	611216104060	MANESHA S	76
46	II B	611216104064	MANOJ KUMAR V	75
47	II B	611216104066	MYLESHEN P	65
48	II B	611216104067	NANDHIKA R	84
49	II B	611216104076	PRANESHA R A	73
50	II B	611216104078	PRITHIVIRAJ K	72
51	II B	611216104080	PRIYADHARSINI V	76
52	II B	611216104082	ROHAN KUMAR S	80
53	II B	611216104088	SATHISH L	81
54	II B	611216104095	SIVABALAN P	76
55	II B	611216104110	VIMAL P	75
56	II B	611216104111	YUVA PERETHIKA M	63

\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 004



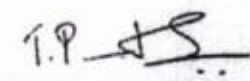


# CERTIFICATE OF COMPLETION

This is to certify that **SHARMITHA D K**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **12.06.2017 - 21.06.2017**.



  
Principal,  
Knowledge Institute of Technology  
Kakapelavem (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION

This is to certify that **NARMADHA R**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **12.06.2017 - 21.06.2017**.



*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504

*I.P. Pradeep*  
Mrs. Punitha Pradeep  
Founder & Director



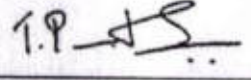


# CERTIFICATE OF COMPLETION

This is to certify that **SANDOSH S**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **12.06.2017 - 21.06.2017**.



  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION

This is to certify that **BOPESH NANDHA P**, Knowledge Institute of  
**Technology, Salem**, has successfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module I)**  
during **12.06.2017 - 21.06.2017**.



Principal,  
Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 504.

Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **JEEVA S**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Problem  
Solving and Computer Programming using E-Box (Module I)** during  
**12.06.2017 - 21.06.2017**.



Principal,  
Knowledge Institute of Technology  
Kakepalavam (Po), Salem-637 504

Mrs. Punitha Pradeep  
Founder & Director

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: JEEVA.S

Course Title: Problem Solving and Computer using E-box (MS).

Year/ Sem: II / III

Dept : CSE

Date: 21.6.17

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓	✗			
Course Delivery		✓			
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training			✓		

Positive points about the Lecture:

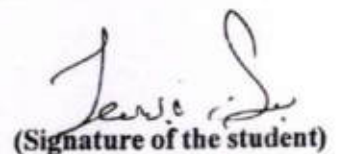
Explanation good.

Suggestions for improvement:

Need more printed materials.



Principal,  
Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 504



(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Swathi. P.

Course Title: problem solving and Computer programming using E-box (MS)

Year/ Sem: II/III

Dept : cse

Date: 21.6.17

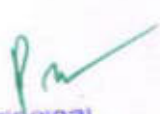
Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training			✓		

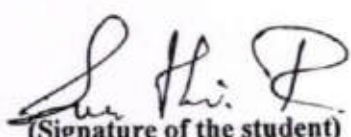
Positive points about the Lecture:

Good Training Methodology

Suggestions for improvement:

Need little bit more explanation

  
Principal,  
Knowledge Institute of Technology  
Kekapalavam (Po), Salem-637 504.

  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: NIVETHA S

Course Title: Problem Solving and Computer Programming using E-box (Module-I)

Year/Sem: II / III

Dept : CSE


Date: 21/6/17

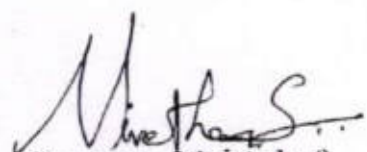
Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience	✓		✓		
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Good explanation about 'c' and its advance topics

Suggestions for improvement:

  
Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-637 504

  
(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Anureka J.

Course Title: PROBLEM SOLVING AND COMPUTER PROGRAMMING USING C++

Year/Sem: 2<sup>nd</sup>/3<sup>rd</sup>

Dept : CSE

Date: 21/06/2017

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery			✓		
Practical Experience		✓			
Additional resources available		✓			
Overall rating about lecture and Training			✓		

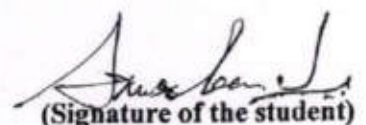
Positive points about the Lecture:

Easy to understand  
Syntax explanation are good.

Suggestions for improvement:



Principal,  
Knowledge Institute of Technology,  
Kakanalavam (Po), Salem-637 504

  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Vanitha Priya. N.

Course Title: Problem Solving and Computer programming using E-box (M-I).

Year/Sem: II/III

Dept : CSE

Date: 21.6.17

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓			
Additional resources available			✓		
Overall rating about lecture and Training			✓		

### Positive points about the Lecture:

More problems in C to solve by our own and good training way.

### Suggestions for improvement:

Need more material.

  
Principal,

Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.

  
(Signature of the student)





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**  
Department of Computer Science and Engineering

**REPORT OF THE EVENT**

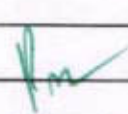
<b>Date</b>	12.06.2017 - 16.06.2017	<b>Resource person</b>	Prof. T.Dhivya, Assistant Professor,CSE, KIOT
<b>Time</b>	9.00am – 5.00pm	<b>Title</b>	Problem Solving and Computer Programming using E-Box (Module II)
<b>Venue</b>	CC5 & CC6	<b>No. of Participants</b>	<b>149</b>

The Course Outcome are:

- Identify situations where computational methods and computers would be useful.
- Given a computational problem, identify and abstract the programming task involved.
- Approach the programming tasks using techniques learned and write pseudo-code.
- Choose the right data representation formats based on the requirements of the problem.
- Use the comparisons and limitations of the various programming constructs and choose the right one for the task in hand.
- Write the program on a computer, edit, compile, debug, correct, recompile and run it.
- Identify tasks in which the numerical techniques learned are applicable and apply them to write programs, and hence use computers effectively to solve the task.



Encl: Circular / Brochure / Attendance Sheet

  
Principal,  
Knowledge Institute of Technology  
Kakaolavam (Po), Salem-637 504.



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## Problem Solving and Computer Programming using E-Box (Module II)

### Course Syllabus

#### Array

- ✓ One dimensional arrays
- ✓ Declaration of 1D arrays
- ✓ Initialization of 1D arrays
- ✓ Accessing element of 1D arrays
- ✓ Reading and displaying elements
- ✓ Two dimensional arrays
- ✓ Declaration of 2D arrays
- ✓ Initialization of 2D arrays
- ✓ Accessing element of 2D arrays
- ✓ Reading and displaying elements

#### Structure

- ✓ Why is structure used?
- ✓ What is structure?
- ✓ Advantages of structures
- ✓ Defining a Structure
- ✓ Declaration of Structure Variables
- ✓ Initialization of Structure Variables
- ✓ Accessing Structure Members
- ✓ Storage of Structures in Memory
- ✓ Size of Structures
- ✓ Reading and Displaying Structure Variables
- ✓ Assignment of Structure Variables
- ✓ Pointers to structures
- ✓ Array of structures
- ✓ Arrays within structures
- ✓ Nested structures
- ✓ Self-referential structures
- ✓ memory link(linked list)
- ✓ Bit fields
- ✓ Programming Examples

#### Strings

- ✓ strings versus character arrays
- ✓ Initializing & Reading string
- ✓ Displaying string
- ✓ The %s format specifier
- ✓ The gets() and puts() functions
- ✓ string handling functions & pointers
- ✓ Two-dimensional character arrays
- ✓ array of string
- ✓ array of pointers to strings

#### Structure and Function

- ✓ Passing structure member to a function
- ✓ Passing structure variable to a function
- ✓ Passing structure variable address to a function
- ✓ Passing array of structure to a function
- ✓ Returning a structure variable from function
- ✓ Returning a structure variable address from function
- ✓ Returning structure variable from a function



01.06.2017

Salem

From

Prof.R.Saranya,  
Assistant Professor,  
Department of Computer Science and Engineering  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

We have planned to conduct certification course on "Problem Solving and Computer Programming using E-Box (Module II)" from 12.06.2017 -16.06.2017 for a period of 05 days with the duration of 40 hours. This course will be helpful for the skill development and placement of our III year students. In this regard, we request you to endowment as permission to conduct the course.

The course details are as follows:

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module II)	CC5, CC6 12.06.2017 -16.06.2017 9.00am - 5.00pm	Prof. T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Thank you,


Yours truly,



HOD/CSE



Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.



PRINCIPAL



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

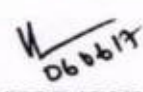
Circular No.	2017/CC/ODD/02	Date	06.06.2017
To	All III year Students		
Name of the subject	Certificate Course on Problem Solving and Computer Programming using E-Box (Module II)		

This is to inform you that Department of Computer Science and Engineering in association with Oracle Academy has planned to conduct a **CERTIFICATE COURSE** on **Problem Solving and Computer Programming using E-Box (Module II)** for ALL the III year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module II)	CC5, CC6 12.06.2017 - 16.06.2017 & 9.00am - 5.00pm	Prof . T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

  
FACULTY INCHARGE

  
HOD/CSE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

  
Principal,

Knowledge Institute of Technology  
Kakapalavam (Po). Salem-637 504



KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504


DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

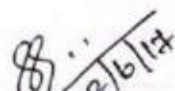
12.06.2017 - 21.06.2017

Enrolled Student NameList


Sl.No	Year	Register Number	Student Name
1	III A	611215104003	AJITH.M
2	III A	611215104005	ARUNBALA.B
3	III A	611215104006	ASOK.P.R
4	III A	611215104008	BALAJI.G
5	III A	611215104010	DEEPAK.R
6	III A	611215104012	DEEPAPRIYA.V
7	III A	611215104018	GANGA SREE.K.M
8	III A	611215104019	GAYATHRI.C.S
9	III A	611215104027	HARINIS
10	III A	611215104028	HARINI.V
11	III A	611215104030	HEMALATHA.S
12	III A	611215104031	JAIVIGNESH.C.S
13	III A	611215104033	KARTHIM
14	III A	611215104036	KAVIPRIYA.G
15	III A	611215104042	KOWSIKA.A
16	III A	611215104044	LOGANATHAN.M
17	III A	611215104050	MONIKA.G
18	III A	611215104052	NAGAJANANIS
19	III A	611215104061	PRAGATHIS
20	III A	611215104063	PRATHEEBA.D
21	III A	611215104070	RAMYA. K.S
22	III A	611215104072	RASIKA.R
23	III A	611215104073	RATHIMEENA.S
24	III A	611215104078	SALMAN.A
25	III A	611215104079	SAMPATH KUMAR.A
26	III A	611215104085	SHAJEL ROSHNI.A
27	III A	611215104086	SOMU SRINIVASAN.S
28	III A	611215104093	SRILALITHAGAYATHRI.V
29	III A	611215104095	SRUTHI.K
30	III A	611215104104	VIMALAN.M

  
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31	III B	611215104004	AMSA MANICKAM.S.P
32	III B	611215104007	ASWIN.N
33	III B	611215104011	DEEPAN NAGARAJAN.B
34	III B	611215104013	DIVVYA DEVL.M
35	III B	611215104016	ELAMPARITHY.M
36	III B	611215104017	FOUZIYA ISRATH.S
37	III B	611215104020	GAYATHRI.S
38	III B	611215104021	GEETHANJHALI.R
39	III B	611215104025	HARINI.M
40	III B	611215104034	KARTHICK.K
41	III B	611215104040	KOUSHIKAA.P
42	III B	611215104041	KOWSALYA.D
43	III B	611215104051	MOUNICKA.M
44	III B	611215104053	NAGASURYA.R
45	III B	611215104059	PAVITHRA.S
46	III B	611215104060	PRADEESH.S
47	III B	611215104067	PRIYANGA.T
48	III B	611215104069	RAGHURAM.M
49	III B	611215104075	REVANTH.N
50	III B	611215104076	REVATHI.B
51	III B	611215104077	SAI RAMYA.K
52	III B	611215104088	SOWMIYA.J
53	III B	611215104091	SREEJHA.G.K
54	III B	611215104092	SREE SANKARI.P.S
55	III B	611215104094	SRI SAMPOORANI.O
56	III B	611215104099	THAMANIPRIYA.C
57	III B	611215104100	VARSHA.R
58	III B	611215104101	VARSSINI.K
59	III B	611215104105	VINITHA DEVI.Y
60	III B	611215104106	VISHNULAL.M
61	III B	611215104107	YATHISH.S

  
Faculty Incharge

  
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**KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**Problem Solving and Computer Programming using E-Box (Module II)**  
**12.06.2017 - 16.06.2017 | Students Enrollment List**

Sl.No	Year	Register Number	Student Name
1	IV	611214105001	AJITH KUMAR.U
2	IV	611214105003	ARUN.P. R.
3	IV	611214105004	BHARATH.V
4	IV	611214105006	BOOPALAN.T
5	IV	611214105007	DEEPAN.A
6	IV	611214105009	DIVYABHARATHI.P
7	IV	611214105010	DURAIPANDIAN.D
8	IV	611214105012	ESWARAN.S.
9	IV	611214105013	GOKUL.R
10	IV	611214105014	GOPINATH.P.
11	IV	611214105015	GOVINDARAJ.M
12	IV	611214105016	GOWTHAMRAJ.R
13	IV	611214105018	HEMA.S. U
14	IV	611214105019	INDHU.V
15	IV	611214105020	INIYA.V
16	IV	611214105021	JAISHNU.M
17	IV	611214105022	JANANI.P.
18	IV	611214105024	JAYA KRISHNA S.V
19	IV	611214105025	JAYAPRAKASH.B
20	IV	611214105026	KARTHI.M
21	IV	611214105027	KARTHICK.M
22	IV	611214105028	KARTHICK.S.
23	IV	611214105030	KARTHIKEYAN.N
24	IV	611214105031	KARTHIKEYAN.R
25	IV	611214105032	KARTHIKEYAN.R
26	IV	611214105033	KARTHIK RAJA.G.
27	IV	611214105034	KAVI KIRUTHIGA. P
28	IV	611214105036	KAVI PRIYA.N.E
29	IV	611214105037	KAVISRI.S
30	IV	611214105038	KAVITHA.M
31	IV	611214105039	KEERTHI.E. M.
32	IV	611214105040	KUMARESH.M
33	IV	611214105042	MANIVASAN.A
34	IV	611214105043	MANOJ.V
35	IV	611214105045	METHUNA.A. K.
36	IV	611214105046	MEYVEL.K
37	IV	611214105047	MITHILA.R.
38	IV	611214105048	MOHAN.K.
39	IV	611214105049	MOHANA PRIYA.G
40	IV	611214105050	MOHANKUMAR.K
41	IV	611214105051	MOULISANKAR.R
42	IV	611214105052	MUKESH KUMAR.N
43	IV	611214105053	MURALI.P
44	IV	611214105054	MURUGAN.C.
45	IV	611214105055	MURUGESAN.V
46	IV	611214105058	PADMAVATHI.K
47	IV	611214105059	POOMALAIRAJ.K
48	IV	611214105060	PRAVIN.J
49	IV	611214105061	PRAVIN KUMAR.S.
50	IV	611214105064	PREM KUMAR.R
51	IV	611214105065	PRIYANKA.B
52	IV	611214105066	PRIYANKA DEVL.S
53	IV	611214105067	RAMYA.P

54	IV	611214105068	RAMYAA.M
55	IV	611214105070	RAVIHARI.M
56	IV	611214105071	RENUPRIYA.G
57	IV	611214105074	SANGAVLD
58	IV	611214105076	SANTHOSH.C. S
59	IV	611214105077	SANTHOSH KUMAR. K
60	IV	611214105078	SARAVANAN.K
61	IV	611214105079	SARTH KUMAR.S
62	IV	611214105080	SASIKUMAR.S
63	IV	611214105081	SASIPRIYA.S.
64	IV	611214105082	SATHIYA PRIYA.M
65	IV	611214105083	SELVAPRIYA.S
66	IV	611214105085	SONALI.S
67	IV	611214105086	SOWNDHARYA.K
68	IV	611214105087	SOWRANCHANA.S
69	IV	611214105088	SUGANYA.K
70	IV	611214105089	SURENDIRAN.M
71	IV	611214105091	THANGAMA.A
72	IV	611214105092	THIRTHA PRIYAN.D
73	IV	611214105094	VENKATA PRASAD.G
74	IV	611214105096	VIGNESH.S
75	IV	611214105097	VIJAY.S
76	IV	611214105098	VISHNUU PRASHANTH.L.V
77	IV	611214105301	ANITHA R
78	IV	611214105302	ASHOK KUMAR S
79	IV	611214105303	BOOPATHI S
80	IV	611214105305	DEEPADHARSHINI D
81	IV	611214105306	DHIVYA A
82	IV	611214105307	GEETHA V
83	IV	611214105310	JANANI R
84	IV	611214105312	PRAVEEN KUMAR S
85	IV	611214105313	RAGUL BHAVAN M
86	IV	611214105316	TAMILSELVAN S
87	IV	611214105318	VANMATHI M E
88	IV	611214105501	KARTHICK S

*B. S. Srinivasan*  
12/5/17  
Dept. CC Coordinator

*D. V. Prasad*  
HOD/EEE

*Pm*  
PRINCIPAL,  
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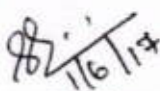
# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


Problem Solving and Computer Programming using E-Box (Module II)

## SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	FN	Array, One dimensional arrays, Declaration of 1D arrays, Initialization of 1D arrays
	AN	Accessing element of 1D arrays, Reading and displaying elements, Two dimensional arrays, Declaration of 2D arrays, Initialization of 2D arrays
DAY 2	FN	Accessing element of 2D arrays, Reading and displaying elements, Declaration of Structure Variables, Initialization of Structure Variables,
	AN	Accessing Structure Members, Storage of Structures in Memory, Size of Structures, Reading and Displaying Structure
DAY 3	FN	Variables, Assignment of Structure Variables, Pointers to structures, Array of structures
	AN	Nested structures, Self-referential structures, memory link(linked list), Bit fields
DAY 4	FN	strings versus character arrays,Initializing & Reading string, Displaying string, The %s format specifier, The gets() and puts() functions,
	AN	string handling functions & pointers, Two-dimensional character arrays, array of string, array of pointers to strings
DAY 5	FN	Passing structure member to a function, Passing structure variable to a function, Passing structure variable address to a function, Passing array of structure to a function,
	AN	Returning a structure variable from function, Returning a structure variable address from function, Returning structure variable from a function

  
Course Cordinator

  
HOD

  
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

12.06.2017 - 21.06.2017 | Course Attendance

Sl.No	Year	Register Number	Student Name	12.6.17	13.6.17	14.6.17	20.6.17	21.6.17
1	III A	611215104003	AJITH.M	/	/	/	/	/
2	III A	611215104005	ARUNBALA.B	/	/	/	/	/
3	III A	611215104006	ASOK.P.R	/	/	/	/	/
4	III A	611215104008	BALAJI.G	/	/	/	/	/
5	III A	611215104010	DEEPAK.R	a	/	/	/	/
6	III A	611215104012	DEEPAPRIYA.V	/	/	/	/	/
7	III A	611215104018	GANGA SREE.K.M	/	/	/	/	/
8	III A	611215104019	GAYATHRI.C.S	/	/	/	/	a
9	III A	611215104027	HARINLS	/	/	/	/	/
10	III A	611215104028	HARINI.V	/	/	/	/	/
11	III A	611215104030	HEMALATHA.S	/	/	/	/	/
12	III A	611215104031	JAIVIGNESH.C.S	/	/	/	/	/
13	III A	611215104033	KARTHI.M	/	/	/	/	/
14	III A	611215104036	KAVIPRIYA.G	/	/	/	/	/
15	III A	611215104042	KOWSIKA.A	/	/	/	/	/
16	III A	611215104044	LOGANATHAN.M	/	/	/	/	/
17	III A	611215104050	MONIKA.G	/	/	/	/	/
18	III A	611215104052	NAGAJANANLS	/	/	/	/	/
19	III A	611215104061	PRAGATHI.S	/	/	/	/	/
20	III A	611215104063	PRATHEEBA.D	/	/	/	/	/
21	III A	611215104070	RAMYA. K.S	/	/	/	/	/
22	III A	611215104072	RASIKA.R	/	a	/	/	/
23	III A	611215104073	RATHIMEENA.S	/	/	/	/	/
24	III A	611215104078	SALMAN.A	/	/	/	/	/
25	III A	611215104079	SAMPATH KUMAR.A	/	/	/	/	/
26	III A	611215104085	SHAJEL ROSHNI.A	/	/	/	/	/
27	III A	611215104086	SOMU SRINIVASAN.S	/	/	/	/	/
28	III A	611215104093	SRILALITHAGAYATHRI.V	/	/	/	/	/
29	III A	611215104095	SRUTHI.K	/	/	/	/	/
30	III A	611215104104	VIMALAN.M	/	/	/	/	/



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31	III B	611215104004	AMSA MANICKAM.S.P	/	/	/	/	/
32	III B	611215104007	ASWIN.N	/	/	/	/	/
33	III B	611215104011	DEEPAN NAGARAJAN.B	/	/	/	/	/
34	III B	611215104013	DIVVYA DEVL.M	/	/	/	/	/
35	III B	611215104016	ELAMPARITHY.M	/	/	/	/	/
36	III B	611215104017	FOUZIYA ISRATH.S	/	/	/	/	/
37	III B	611215104020	GAYATHRIS	/	/	/	/	/
38	III B	611215104021	GEETHANJHALI.R	/	/	/	/	/
39	III B	611215104025	HARINI.M	/	/	/	/	/
40	III B	611215104034	KARTHICK.K	/	/	/	/	/
41	III B	611215104040	KOUSHIKAA.P	/	/	/	/	/
42	III B	611215104041	KOWSALYA.D	/	/	/	/	9
43	III B	611215104051	MOUNICKA.M	/	/	/	/	/
44	III B	611215104053	NAGASURYA.R	/	/	/	/	/
45	III B	611215104059	PAVITHRA.S	/	/	/	/	/
46	III B	611215104060	PRADEESH.S	/	/	/	/	/
47	III B	611215104067	PRIYANGA.T	/	/	/	/	/
48	III B	611215104069	RAGHURAM.M	/	/	/	/	/
49	III B	611215104075	REVANTH.N	/	/	/	/	/
50	III B	611215104076	REVATHI.B	/	/	/	/	/
51	III B	611215104077	SAI RAMYA.K	/	/	/	/	/
52	III B	611215104088	SOWMIYA.J	/	/	/	/	/
53	III B	611215104091	SREEJHA.G.K	9	/	/	/	/
54	III B	611215104092	SREE SANKAR.I.P.S	/	/	/	/	/
55	III B	611215104094	SRI SAMPOORANI.O	/	/	/	/	/
56	III B	611215104099	THAMANIPRIYA.C	/	/	/	/	/
57	III B	611215104100	VARSHA.R	/	/	/	/	/
58	III B	611215104101	VARSSINI.K	/	/	/	/	/
59	III B	611215104105	VINITHA DEVI.Y	/	/	/	/	/
60	III B	611215104106	VISHNULAL.M	/	/	/	/	/
61	III B	611215104107	YATHISH.S	/	/	/	/	/
No. of Students Present				59	60	61	61	59
No of Students Absent				02	01	—	—	02

Faculty Incharge

HOD

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Knowledge Institute of Technology  
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# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Problem Solving and Computer Programming using E-Box (Module II)

12.06.2017 - 16.06.2017 | Course Attendance

Sl.No	Year	Register Number	Student Name	12.06.2017	13.06.2017	14.06.2017	15.06.2017	16.06.2017
1	IV	611214105001	AJITH KUMAR.U	/	/	/	/	/
2	IV	611214105003	ARUN.P. R.	/	/	/	/	/
3	IV	611214105004	BHARATH.V	/	a	/	/	/
4	IV	611214105006	BOOPALAN.T	/	/	/	/	/
5	IV	611214105007	DEEPAN.A	/	/	/	/	/
6	IV	611214105009	DIVYABHARATHI.P	a	/	/	/	/
7	IV	611214105010	DURAI PANDIAN.D	/	/	/	/	/
8	IV	611214105012	ESWARAN.S.	/	/	/	/	/
9	IV	611214105013	GOKUL.R	/	a	/	/	/
10	IV	611214105014	GOPINATH.P.	/	/	/	/	/
11	IV	611214105015	GOVINDARAJ.M	/	/	/	/	/
12	IV	611214105016	GOWTHAMRAJ.R	/	/	a	/	/
13	IV	611214105018	HEMA.S. U	/	/	/	/	/
14	IV	611214105019	INDHU.V	/	/	/	/	/
15	IV	611214105020	INIYA.V	/	/	/	a	/
16	IV	611214105021	JAISHNU.M	/	/	/	/	/
17	IV	611214105022	JANANLP.	/	/	/	/	/
18	IV	611214105024	JAYA KRISHNA S.V	/	/	/	/	/
19	IV	611214105025	JAYAPRAKASH.B	/	/	/	/	a
20	IV	611214105026	KARTHLM	/	/	/	/	/
21	IV	611214105027	KARTHICK.M	/	/	/	/	a
22	IV	611214105028	KARTHICK.S.	/	/	/	a	/
23	IV	611214105030	KARTHIKEYAN.N	/	/	a	/	/
24	IV	611214105031	KARTHIKEYAN.R	a	/	/	/	/
25	IV	611214105032	KARTHIKEYAN.R	/	/	/	/	/
26	IV	611214105033	KARTHIK RAJA.G.	/	/	/	/	/
27	IV	611214105034	KAVI KIRUTHIGA. P	/	/	/	/	/
28	IV	611214105036	KAVI PRIYA.NE	/	/	/	/	/
29	IV	611214105037	KAVISRIS	/	/	a	/	/
30	IV	611214105038	KAVITHA.M	/	/	/	/	a
31	IV	611214105039	KEERTHI.E. M.	/	/	/	/	/
32	IV	611214105040	KUMARESH.M	/	/	/	a	/
33	IV	611214105042	MANIVASAN.A	/	/	/	/	/
34	IV	611214105043	MANOJ.V	/	a	/	/	/
35	IV	611214105045	METHUNA.A. K.	/	/	/	/	/
36	IV	611214105046	MEYVEL.K	/	/	/	/	/
37	IV	611214105047	MITHILA.R.	/	/	/	/	/
38	IV	611214105048	MOHAN.K.	/	/	/	/	/
39	IV	611214105049	MOHANA PRIYA.G	/	/	/	/	/
40	IV	611214105050	MOHANKUMAR.K	/	/	/	/	/
41	IV	611214105051	MOULISANKAR.R	/	/	/	/	/
42	IV	611214105052	MUKESH KUMAR.N	/	/	/	/	/
43	IV	611214105053	MURALIP	/	/	/	/	/
44	IV	611214105054	MURUGAN.C.	/	/	/	/	/
45	IV	611214105055	MURUGESAN.V	/	/	/	/	/

*pm*



Sl.No	Year	Register Number	Student Name	12.06.2017	13.06.2017	14.06.2017	15.06.2017	16.06.2017
46	IV	611214105058	PADMAVATHLK	/	/	/	/	/
47	IV	611214105059	POOMALAIRAJ.K	/	/	/	/	/
48	IV	611214105060	PRAVIN.J	/	/	/	/	/
49	IV	611214105061	PRAVIN KUMAR.S.	/	/	/	/	/
50	IV	611214105064	PREM KUMAR.R	/	/	/	/	/
51	IV	611214105065	PRIYANKA.B	/	/	/	/	/
52	IV	611214105066	PRIYANKA DEVL.S	/	/	/	/	/
53	IV	611214105067	RAMYA.P	/	/	/	/	/
54	IV	611214105068	RAMYAA.M	/	/	/	/	/
55	IV	611214105070	RAVIHARLM	/	/	/	/	/
56	IV	611214105071	RENUPRIYA.G	/	/	/	/	/
57	IV	611214105074	SANGAVLD	/	/	/	/	/
58	IV	611214105076	SANTHOSH.C. S	/	a	/	/	/
59	IV	611214105077	SANTHOSH KUMAR. K	/	/	/	/	/
60	IV	611214105078	SARAVANAN.K	/	/	/	/	a
61	IV	611214105079	SARTH KUMAR.S	/	/	/	/	/
62	IV	611214105080	SASIKUMAR.S	/	/	/	/	/
63	IV	611214105081	SASIPRIYA.S.	/	/	a	/	/
64	IV	611214105082	SATHIYA PRIYA.M	/	/	/	/	/
65	IV	611214105083	SELVAPRIYA.S	/	/	/	/	/
66	IV	611214105085	SONALLS	a	/	/	/	/
67	IV	611214105086	SOWNDHARYA.K	/	/	/	/	/
68	IV	611214105087	SOWRANCHANA.S	/	/	/	/	/
69	IV	611214105088	SUGANYA.K	/	/	/	/	/
70	IV	611214105089	SURENDIRAN.M	/	/	/	a	/
71	IV	611214105091	THANGAMA	/	/	/	/	/
72	IV	611214105092	THIRTHA PRIYAN.D	/	/	/	/	/
73	IV	611214105094	VENKATA PRASAD.G	/	/	/	/	/
74	IV	611214105096	VIGNESH.S	/	/	/	/	/
75	IV	611214105097	VJAY.S	/	/	/	/	/
76	IV	611214105098	VISHNUU PRASHANTH.L.V	/	/	/	/	/
77	IV	611214105301	ANITHA R	/	/	/	/	/
78	IV	611214105302	ASHOK KUMAR S	/	/	/	/	/
79	IV	611214105303	BOOPATHI S	/	/	/	/	/
80	IV	611214105305	DEEPADHARSHINI D	/	/	/	/	/
81	IV	611214105306	DHIVYA A	/	/	/	/	/
82	IV	611214105307	GEETHA V	/	/	/	/	/
83	IV	611214105310	JANANI R	/	/	/	/	/
84	IV	611214105312	PRAVEEN KUMAR S	/	/	/	/	a
85	IV	611214105313	RAGUL BHAVAN M	/	/	/	/	/
86	IV	611214105316	TAMILSELVAN S	/	/	a	/	/
87	IV	611214105318	VANMATHI M E	/	/	/	/	/
88	IV	611214105501	KARTHICK S	/	/	/	/	/
No. of Students Present				85	84	83	84	85
No of Students Absent				3	4	5	4	5

B. Suresh 16/6/17  
Dept. CC Coordinator

D. V. R. 16/6/17  
HOD/EEE 16/6/17

PK NLIPAL,  
Knowledge Institute of Technology  
Vakavilavam (PO) Salem - 637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

12.06.2017 - 21.06.2017 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	III A	611215104003	AJITH.M	81
2	III A	611215104005	ARUNBALA.B	76
3	III A	611215104006	ASOK.P.R	78
4	III A	611215104008	BALAJLG	81
5	III A	611215104010	DEEPAK.R	62
6	III A	611215104012	DEEPAPRIYA.V	83
7	III A	611215104018	GANGA SREE.K.M	79
8	III A	611215104019	GAYATHRI.C.S	81
9	III A	611215104027	HARINI.S	81
10	III A	611215104028	HARINI.V	76
11	III A	611215104030	HEMALATHA.S	71
12	III A	611215104031	JAIVIGNESH.C.S	85
13	III A	611215104033	KARTHI.M	84
14	III A	611215104036	KAVIPRIYA.G	62
15	III A	611215104042	KOWSIKA.A	81
16	III A	611215104044	LOGANATHAN.M	79
17	III A	611215104050	MONIKA.G	63
18	III A	611215104052	NAGAJANANIS	65
19	III A	611215104061	PRAGATHI.S	75
20	III A	611215104063	PRATHEEBA.D	78
21	III A	611215104070	RAMYA. K.S	62
22	III A	611215104072	RASIKA.R	66
23	III A	611215104073	RATHIMEENA.S	84
24	III A	611215104078	SALMAN.A	73
25	III A	611215104079	SAMPATH KUMAR.A	85
26	III A	611215104085	SHAJEL ROSHNI.A	73
27	III A	611215104086	SOMU SRINIVASAN.S	80
28	III A	611215104093	SRILALITHAGAYATHRI.V	66
29	III A	611215104095	SRUTHI.K	62
30	III A	611215104104	VIMALAN.M	85
31	III B	611215104004	AMSA MANICKAM.S.P	76
32	III B	611215104007	ASWIN.N	84

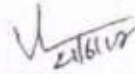
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504




33	III B	611215104011	DEEPAN NAGARAJAN.B	62
34	III B	611215104013	DIVVYA DEVL.M	64
35	III B	611215104016	ELAMPARITHY.M	81
36	III B	611215104017	FOUZIYA ISRATH.S	74
37	III B	611215104020	GAYATHRI.S	72
38	III B	611215104021	GEETHANJHALI.R	61
39	III B	611215104025	HARINI.M	63
40	III B	611215104034	KARTHICK.K	60
41	III B	611215104040	KOUSHIKAA.P	75
42	III B	611215104041	KOWSALYA.D	85
43	III B	611215104051	MOUNICKA.M	60
44	III B	611215104053	NAGASURYA.R	67
45	III B	611215104059	PAVITHRA.S	83
46	III B	611215104060	PRADEESH.S	83
47	III B	611215104067	PRIYANGA.T	62
48	III B	611215104069	RAGHURAM.M	73
49	III B	611215104075	REVANTH.N	77
50	III B	611215104076	REVATHI.B	76
51	III B	611215104077	SAI RAMYA.K	67
52	III B	611215104088	SOWMIYA.J	81
53	III B	611215104091	SREEJHA.G.K	75
54	III B	611215104092	SREE SANKAR.P.S	67
55	III B	611215104094	SRI SAMPOORAN.LO	83
56	III B	611215104099	THAMANIPRIYA.C	71
57	III B	611215104100	VARSHA.R	79
58	III B	611215104101	VARSSINI.K	76
59	III B	611215104105	VINITHA DEVI.Y	65
60	III B	611215104106	VISHNULAL.M	70
61	III B	611215104107	YATHISH.S	61

\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504



# CERTIFICATE OF COMPLETION

This is to certify that **PRIYANGA.T**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **12.06.2017 - 21.06.2017**.



Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-637 504

Mrs. Punitha Pradeep  
Founder & Director






# CERTIFICATE OF COMPLETION



This is to certify that **PAVITHRA.S**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module II)**  
during **12.06.2017 - 21.06.2017**.



Principal,  
Knowledge Institute of Technology,  
Kakaoalavam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION



This is to certify that **SREEJHA.G.K**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module II)**  
during **12.06.2017 - 21.06.2017**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504.

  
Mrs. Punitha Pradeep  
Founder & Director





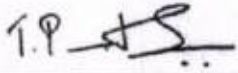
# CERTIFICATE OF COMPLETION



This is to certify that **NAGASURYA.R**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **12.06.2017 - 21.06.2017**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director




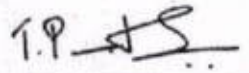
# CERTIFICATE OF COMPLETION



This is to certify that **ELAMPARITHY.M**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **12.06.2017 - 21.06.2017**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504.

  
Mrs. Punitha Pradeep  
Founder & Director



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Inbaraj.S.

Course Title: problem solving and computer programming using E-bac (M2)

Year/ Sem: III / V

Dept : CSE

Date: 21/6/17

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓			
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

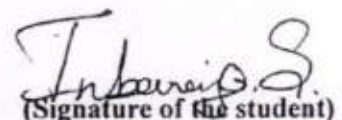
Explanation was very good.  
Interactive session.

Suggestions for improvement:

Need more practical hour



Principal,  
Knowledge Institute of Technology,  
Kekapalayam (Po), Salem-637 504

  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: *Ajith. M.*

Course Title: *Problem Solving and Computer Programming using E-box MII*

Year/ Sem: *III/V*

Dept : *CSE*

Date: *21.6.17*

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery		✓			
Practical Experience			✓		
Additional resources available	✓				
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

*Can get so much programming shortcut inputs and easy to understand.*

Suggestions for improvement:

*Pm*

Principal,  
Knowledge Institute of Technology  
Kekaalavam (Po), Salem-637 504

*Ajith. M.*  
(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Deepak R.

Course Title: Problem Solving and Computer Programming using E-box Module-II

Year/ Sem: 3<sup>rd</sup>/V

Dept : CSE

Date: 21.6.17

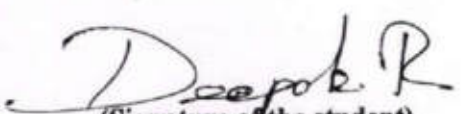
Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery	✓				
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training			✓		

Positive points about the Lecture:

Easy to Understand  
Good.

Suggestions for improvement:

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 604

  
(Signature of the student)



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	03.01.2018 - 10.01.2018	<b>Resource person</b>	Prof.P.Ramya, Assistant Professor, CSE, KIOT
<b>Time</b>	9.00am – 5.00pm	<b>Title</b>	Product Development and Programming using E-Box
<b>Venue</b>	CC11 & CC12	<b>No. of Participants</b>	<b>121</b>

The Course outcome are:

- Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
- Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem
- Demonstrates how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.
- Demonstrate understanding and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.



**Encl: Circular / Brochure / Attendance Sheet**

*Pm*

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## Product Development and Programming using E-Box

### Course Syllabus

#### Object-Oriented Programming

- Define modeling concepts: abstraction, encapsulation, and packages
- Discuss Java technology application code reuse
- Define class, member, attribute, method, constructor, and package
- Invoke a method on a particular object
- Use the Java technology API online documentation

#### Identifiers, Keywords, and Types

- Use comments in a source program
- Distinguish between valid and invalid identifiers
- Use the eight primitive types
- Define literal values for numeric and textual types
- Construct an object using new and describe default initialization
- Describe the significance of a reference variable

#### Expressions and Flow Control

- Distinguish between instance and local variables
- Describe how to initialize instance variables
- Recognize, describe, and use Java software operators
- Distinguish between legal and illegal assignments of primitive types
- Identify boolean expressions and their requirements in control constructs
- Use if, switch, for, while, and do constructions and the labeled forms of break and continue as flow control structures in a program

#### Arrays

- Declare and create arrays of primitive, class, or array types
- Explain how to initialize the elements of an array
- Determine the number of elements in an array
- Create a multidimensional array
- Write code to copy array values from one array to another

#### Class Design

- Define inheritance, polymorphism, overloading, overriding, and virtual method invocation
- Use the access modifiers protected and the default (package-friendly)
- Describe the concepts of constructor and method overloading

#### Advanced Class Features

- Create static variables, methods, and initializers
- Create final classes, methods, and variables
- Create abstract classes and methods
- Create and use an interface

#### Exceptions and Assertions

- Define exceptions
- Use try, catch, and finally statements
- Describe exception categories
- Identify common exceptions
- Develop programs to handle your own exceptions
- Enable assertions at runtime

*Pm*

22.12.2017

Salem

From

Prof.R.Saranya,  
Assistant Professor,  
Department of Computer Science and Engineering  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

We have planned to conduct certification course on "Product Development and Programming using E-Box" from 03.01.2018 - 10.01.2018 for a period of 06 days with the duration of 45 hours. This course will be helpful for the skill development and placement of our III year students. In this regard, we request you to endowment as permission to conduct the course.

The course details are as follows:

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Product Development and Programming using E-Box	CC11, CC12 - 03.01.2018 -10.01.2018 & 9.00am - 5.00pm	Prof. P.Ramya Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

  
HOD/CSE

  
Principal,  
Knowledge Institute of Technology  
Kakaoalavam (Po), Salem-637 504

  
PRINCIPAL





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2017/CC/EVEN/05	Date	29.12.2017
To	All III year Students		
Name of the subject	Certificate Course on Product Development and Programming using E-Box		


This is to inform you that Department of Computer Science and Engineering in association with Oracle Academy has planned to conduct a **CERTIFICATE COURSE** on **Product Development and Programming using E-Box** for ALL the III year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Product Development and Programming using E-Box	CC11, CC12 03.01.2018 -10.01.2018 & 9.00am - 5.00pm	<b>Prof. P.Ramya</b> Assistant Professor, Department of Computer Science and Engineering


Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

  
FACULTY INCHARGE

  
HOD/CSE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

  
Principal,  
Knowledge Institute of Technology,  
Kekapalayam (Po), Salem-637 504

KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

03.01.2018 - 10.01.2018

Enrolled Student NameList

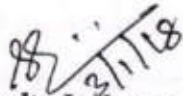
SL.No	Year	Register Number	Student Name
1	III A	611215104003	AJITH.M
2	III A	611215104008	BALAJI.G
3	III A	611215104010	DEEPAK.R
4	III A	611215104012	DEEPAPRIYA.V
5	III A	611215104018	GANGA SREE.K.M
6	III A	611215104033	KARTHIM
7	III A	611215104036	KAVIPRIYA.G
8	III A	611215104042	KOWSIKA.A
9	III A	611215104050	MONIKA.G
10	III A	611215104063	PRATHEEBA.D
11	III A	611215104078	SALMAN.A
12	III A	611215104079	SAMPATH KUMAR.A
13	III A	611215104085	SHAJEL ROSHNI.A
14	III A	611215104086	SOMU SRINIVASAN.S
15	III A	611215104093	SRILALITHAGAYATHRI.V
16	III A	611215104095	SRUTHI.K
17	III B	611215104004	AMSA MANICKAM.S.P
18	III B	611215104007	ASWIN.N
19	III B	611215104011	DEEPAN NAGARAJAN.B
20	III B	611215104017	FOUZIYA ISRATH.S
21	III B	611215104020	GAYATHRI.S
22	III B	611215104021	GEETHANJHALI.R
23	III B	611215104025	HARINI.M
24	III B	611215104041	KOWSALYA.D
25	III B	611215104051	MOUNICKA.M
26	III B	611215104053	NAGASURYA.R
27	III B	611215104059	PAVITHRA.S

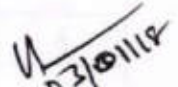
  
Principal,


Knowledge Institute of Technology  
Akapolavam (Po), Salem-637 504



Sl.No	Year	Register Number	Student Name
28	III B	611215104060	PRADEESH.S
29	III B	611215104067	PRIYANGA.T
30	III B	611215104075	REVANTH.N
31	III B	611215104076	REVATHI.B
32	III B	611215104077	SAI RAMYA.K
33	III B	611215104088	SOWMIYA.J
34	III B	611215104092	SREE SANKARI.P.S
35	III B	611215104094	SRI SAMPOORANLO
36	III B	611215104099	THAMANIPRIYA.C
37	III B	611215104106	VISHNULAL.M
38	III B	611215104107	YATHISH.S

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

## SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	FN	Introduction to Abstract Data Types and analysis of different algorithms
	AN	Searching an array: linear and binary search. Sorting: Merge Sort, and analysis
DAY 2	FN	ADT Array -- searching and sorting on arrays, Review of Pointers in C. The Linked list ADT.
	AN	ADT Linked Lists, Stacks, Queues, reverse/search. Doubly linked lists, circular linked lists.
DAY 3	FN	Stack and Queue ADT, comparison of implementation using arrays and linked lists
	AN	Binary Trees, Tree ADT representation, traversal, application of binary trees in Huffman coding.
DAY 4	FN	Expression trees: Recursive traversal depth, height, and number of nodes. post/pre/infix notation.
	AN	Dictionary, ADT Priority queues, Heap ADT implementation and Heapsort, in place sorting, Heaps for maintaining interval trees
DAY 5	FN	Graphs, matrices. The Graph ADT and applications
	AN	Flyod Warshall's algorithm and applications
DAY 6	FN	List representation of a Graph. Breadth First Search traversal and identification of shortest paths.
	AN	Depth First Search recursive specification and application to finding articulation points.

  
Course Coordinator

  
HOD

  
Principal,

Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

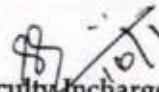
03.01.2018 - 10.01.2018 | Course Attendance

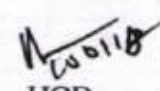
Sl.No	Year	Register Number	Student Name	3-1-18	4-1-18	5-1-18	6-1-18	9-1-18	10-1-18
1	III A	611215104003	AJITH.M	/	/	/	/	/	/
2	III A	611215104008	BALAJI.G	/	/	/	/	/	/
3	III A	611215104010	DEEPAK.R	/	/	/	/	/	a
4	III A	611215104012	DEEPAPRIYA.V	/	/	/	/	/	/
5	III A	611215104018	GANGA SREE.K.M	a	/	/	/	/	/
6	III A	611215104033	KARTHI.M	/	/	/	/	/	/
7	III A	611215104036	KAVIPRIYA.G	/	/	/	/	/	/
8	III A	611215104042	KOWSIKA.A	/	/	/	/	/	/
9	III A	611215104050	MONIKA.G	/	/	/	/	/	/
10	III A	611215104063	PRATHEEBA.D	/	/	/	/	/	/
11	III A	611215104078	SALMAN.A	/	/	/	/	/	/
12	III A	611215104079	SAMPATH KUMAR.A	/	/	/	/	/	/
13	III A	611215104085	SHAJEL ROSHNI.A	/	/	/	/	/	/
14	III A	611215104086	SOMU SRINIVASAN.S	/	/	/	/	/	/
15	III A	611215104093	SRILALITHAGAYATHRI.V	/	/	/	/	/	/
16	III A	611215104095	SRUTHI.K	/	/	/	/	/	/
17	III B	611215104004	AMSA MANICKAM.S.P	/	/	/	/	/	/
18	III B	611215104007	ASWIN.N	/	/	/	/	/	/
19	III B	611215104011	DEEPAN NAGARAJAN.B	/	/	/	/	/	/
20	III B	611215104017	FOUZIYA ISRATH.S	/	/	/	/	/	/
21	III B	611215104020	GAYATHRI.S	/	/	/	/	/	/
22	III B	611215104021	GEETHANJHALI.R	/	/	/	/	/	/
23	III B	611215104025	HARINI.M	/	/	/	/	/	/
24	III B	611215104041	KOWSALYA.D	/	/	/	/	a	/
25	III B	611215104051	MOUNICKA.M	/	/	/	/	/	/
26	III B	611215104053	NAGASURYA.R	/	/	/	/	/	/
27	III B	611215104059	PAVITHRA.S	/	/	/	/	/	/

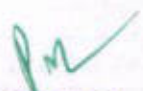
  
Principal,

Knowledge Institute of Technology,  
Kekapalayam (Po), Salem-637 504

Sl.No	Year	Register Number	Student Name						
28	III B	611215104060	PRADEESH.S	/	/	/	/	/	/
29	III B	611215104067	PRIYANGA.T	/	/	/	/	2	/
30	III B	611215104075	REVANTH.N	/	/	/	/	/	/
31	III B	611215104076	REVATHI.B	/	/	/	/	/	/
32	III B	611215104077	SAI RAMYA.K	/	/	/	/	/	/
33	III B	611215104088	SOWMIYA.J	/	/	/	/	/	/
34	III B	611215104092	SREE SANKARI.P.S	/	/	/	/	/	/
35	III B	611215104094	SRI SAMPOORAN.LO	/	/	/	/	/	/
36	III B	611215104099	THAMANIPRIYA.C	/	/	/	/	/	/
37	III B	611215104106	VISHNULAL.M	/	/	/	/	/	/
38	III B	611215104107	YATHISH.S	/	/	/	/	/	/
No. of Students Present				37	38	38	38	36	37
No of Students Absent				01	-	-	-	02	01

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

03.01.2018 - 10.01.2018 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	III A	611215104003	AJITH.M	69
2	III A	611215104008	BALAJI.G	79
3	III A	611215104010	DEEPAK.R	85
4	III A	611215104012	DEEPAPRIYA.V	76
5	III A	611215104018	GANGA SREE.K.M	72
6	III A	611215104033	KARTHI.M	62
7	III A	611215104036	KAVIPRIYA.G	68
8	III A	611215104042	KOWSIKA.A	71
9	III A	611215104050	MONIKA.G	80
10	III A	611215104063	PRATHEEBA.D	69
11	III A	611215104078	SALMAN.A	64
12	III A	611215104079	SAMPATH KUMAR.A	80
13	III A	611215104085	SHAJEL ROSHNI.A	79
14	III A	611215104086	SOMU SRINIVASAN.S	71
15	III A	611215104093	SRILALITHAGAYATHRI.V	74
16	III A	611215104095	SRUTHIK	70
17	III B	611215104004	AMSA MANICKAM.S.P	81
18	III B	611215104007	ASWIN.N	64
19	III B	611215104011	DEEPAN NAGARAJAN.B	80
20	III B	611215104017	FOUZIYA ISRATH.S	71
21	III B	611215104020	GAYATHRIS	78
22	III B	611215104021	GEETHANJHALI.R	74
23	III B	611215104025	HARINI.M	68
24	III B	611215104041	KOWSALYA.D	80
25	III B	611215104051	MOUNICKA.M	62
26	III B	611215104053	NAGASURYA.R	64
27	III B	611215104059	PAVITHRA.S	81
28	III B	611215104060	PRADEESH.S	83
29	III B	611215104067	PRIYANGA.T	64
30	III B	611215104075	REVANTH.N	70



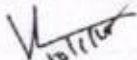
Principal,

Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504.

Sl.No	Year	Register Number	Student Name	Final Assessment %
31	III B	611215104076	REVATHI.B	76
32	III B	611215104077	SAI RAMYA.K	69
33	III B	611215104088	SOWMIYA.J	70
34	III B	611215104092	SREE SANKARI.P.S	64
35	III B	611215104094	SRI SAMPOORANLO	85
36	III B	611215104099	THAMANIPRIYA.C	74
37	III B	611215104106	VISHNULAL.M	74
38	III B	611215104107	YATHISH.S	67

\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakpalavam (Po), Salem-637 504




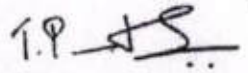


# CERTIFICATE OF COMPLETION

This is to certify that **BALAJI.G**, Knowledge Institute of Technology,  
Salem , has sucessfully completed the certificate course on **Product  
Development and Programming using E-Box** during **03.01.2018 -  
10.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director



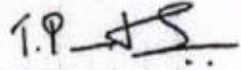
# CERTIFICATE OF COMPLETION



This is to certify that **KARTHI.M**, Knowledge Institute of Technology,  
**Salem** , has sucessfully completed the certificate course on **Product  
Development and Programming using E-Box** during **03.01.2018 -  
10.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakaalavam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION



This is to certify that **KOWSIKA.A**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Product Development and Programming using E-Box** during **03.01.2018 - 10.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakopalayam (Po), Salem-637 604

  
Mrs. Punitha Pradeep  
Founder & Director

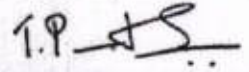


# CERTIFICATE OF COMPLETION

This is to certify that **SHAJEL ROSHNI.A**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Product Development and Programming using E-Box** during  
**03.01.2018 - 10.01.2018.**



  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION



This is to certify that **ASWIN.N**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Product  
Development and Programming using E-Box** during **03.01.2018 -  
10.01.2018**.



Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 501

Mrs. Punitha Pradeep  
Founder & Director

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: R. Nayan Kumar

Course Title: Product Development & Programming Using E-Box

Year/ Sem: III / IV V

Dept : CSE

Date: 10/1/18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	<input checked="" type="checkbox"/>				
Course Delivery		<input checked="" type="checkbox"/>			
Practical Experience			<input checked="" type="checkbox"/>		
Additional resources available	<input checked="" type="checkbox"/>				
Overall rating about lecture and Training			<input checked="" type="checkbox"/>		

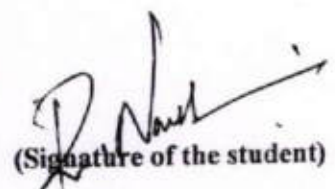
Positive points about the Lecture:

Good Syntax Explanation, easy to Understand

Suggestions for improvement:



Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Karthi. M.

Course Title: Product development and Programming using

Year/ Sem: III/V E-Box

Dept : CSE

Date: 6/1/18.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Easy to understand.  
more explanation.

Suggestions for improvement:

—

*Pm*

Principal,  
Knowledge Institute of Techno  
Kakapalayam (Po), Salem-637 51

*Karthi. M.*  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Sampath Kumar. A.

Course Title: Product Development and programming using F-Box

Year/ Sem: III / V

Dept : CSE

Date: 6.1.18.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓			
Additional resources available		✓			
Overall rating about lecture and Training			✓		

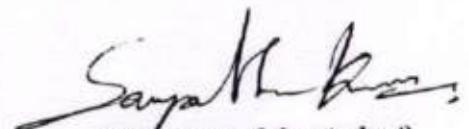
Positive points about the Lecture:

Good explanation.  
easy to understand.

Suggestions for improvement:



Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504



(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: *Harij. M*

Course Title: *Product development and Programming Using E-Box*

Year/ Sem: *III / V*

Dept : *CSE*

Date: *10/01/18.*

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

*Explained clearly with many intences and useful.*

Suggestions for improvement:

*Pm*

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

*Harij. M.*  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: S. Parithra

Course Title: Product Development and programming using E-Box

Year/ Sem: 111 / V

Dept : CSE

Date: 20/01/20

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓	✓		
Additional resources available			✓		
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Good explanation.

Suggestions for improvement:

Need more material.

pm

Principal,  
Knowledge Institute of Technology  
Kakkoalavam (Po), Salem-637 504

S. Parithra  
(Signature of the student)





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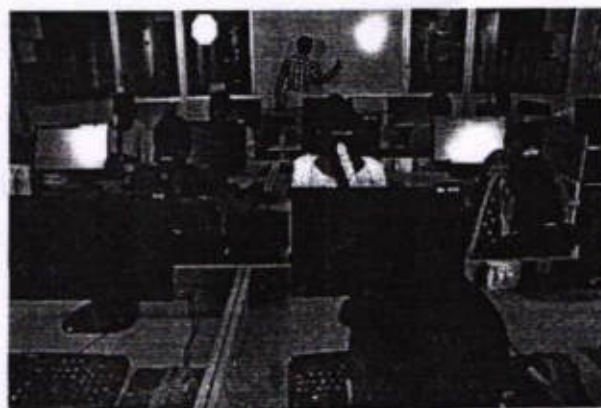
Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	05.01.2018 - 12.01.2018	<b>Resource person</b>	Prof.K.Ravikumar, Assistant Professor, CSE, KIOT
<b>Time</b>	9.00am – 5.00pm	<b>Title</b>	Design and System Programming using E-Box
<b>Venue</b>	CC7 & CC8	<b>No. of Participants</b>	<b>32</b>

The Course Outcome are:

- Select appropriate data structures as applied to specified problem definition.
- Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.
- Students will be able to implement linear and Non-Linear data structures.
- Implement appropriate sorting/searching technique for given problem.
- Design advance data structure using Non-Linear data structure.
- Determine and analyze the complexity of given Algorithms.



**Encl: Circular / Brochure / Attendance Sheet**

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504.



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## Product Development and Programming using E-Box

### Course Syllabus

#### Object-Oriented Programming

- Define modeling concepts: abstraction, encapsulation, and packages
- Discuss Java technology application code reuse
- Define class, member, attribute, method, constructor, and package
- Invoke a method on a particular object
- Use the Java technology API online documentation

#### Identifiers, Keywords, and Types

- Use comments in a source program
- Distinguish between valid and invalid identifiers
- Use the eight primitive types
- Define literal values for numeric and textual types
- Construct an object using new and describe default initialization
- Describe the significance of a reference variable

#### Expressions and Flow Control

- Distinguish between instance and local variables
- Describe how to initialize instance variables
- Recognize, describe, and use Java software operators
- Distinguish between legal and illegal assignments of primitive types
- Identify boolean expressions and their requirements in control constructs
- Use if, switch, for, while, and do constructions and the labeled forms of break and continue as flow control structures in a program

#### Arrays

- Declare and create arrays of primitive, class, or array types
- Explain how to initialize the elements of an array
- Determine the number of elements in an array
- Create a multidimensional array
- Write code to copy array values from one array to another

#### Class Design

- Define inheritance, polymorphism, overloading, overriding, and virtual method invocation
- Use the access modifiers protected and the default (package-friendly)
- Describe the concepts of constructor and method overloading

#### Advanced Class Features

- Create static variables, methods, and initializers
- Create final classes, methods, and variables
- Create abstract classes and methods
- Create and use an interface

#### Exceptions and Assertions

- Define exceptions
- Use try, catch, and finally statements
- Describe exception categories
- Identify common exceptions
- Develop programs to handle your own exceptions
- Enable assertions at runtime

  
Principal,



21.12.2017

Salem

From

Prof.R.Saranya,  
Assistant Professor,  
Department of Computer Science and Engineering  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

We have planned to conduct certification course on "Design and System Programming using E-Box" from 05.01.2018 - 12.01.2018 for a period of 06 days with the duration of 48 hours. This course will be helpful for the skill development and placement of our II year students. In this regard, we request you to endowment as permission to conduct the course.


The course details are as follows:

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Design and System Programming using E-Box	CC7, CC8 05.01.2018 -12.01.2018 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

  
HOD/CSE

  
Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po). Salem-637 504

  
PRINCIPAL



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2017/CC/EVEN/04	Date	27.12.2017
To	All II year Students		
Name of the subject	Certificate Course on Design and System Programming using E-Box		

This is to inform you that Department of Computer Science and Engineering in association with Oracle Academy has planned to conduct a **CERTIFICATE COURSE** on **Design and System Programming using E-Box** for ALL the II year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Design and System Programming using E-Box	CC7, CC8 05.01.2018 -12.01.2018 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Computer Science and Engineering

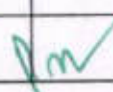
Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

  
FACULTY INCHARGE

  
HOD/CSE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



KNOWLEDGE INSITTE OF TECHNOLOGY,SALEM-637504

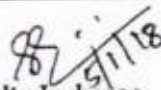
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


Design and System Programming using E-Box

05.01.2018 -12.01.2018

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	II A	611216104002	AISHWARYA R
2	II A	611216104011	BOPESH NANDHA P
3	II A	611216104045	KALAISELVI B
4	II A	611216104050	KAVIPRIYA R
5	II A	611216104058	MADHUMIDA S
6	II A	611216104061	MANIVASAGAM C
7	II A	611216104069	NARMADHA R
8	II A	611216104070	NAVEEN B
9	II A	611216104072	NIVETHA S
10	II A	611216104086	SARANYA D
11	II A	611216104087	SARAVANA DHARSAN S
12	II A	611216104093	SHARMITHA D K
13	II A	611216104099	SREEDHARSINI V
14	II A	611216104100	SRIGOKULNATH S
15	II A	611216104104	SUPRAJA P
16	II A	611216104105	SWATHI R
17	II A	611216104109	VASEEHARAN P G
18	II B	611216104005	ANUREKA J
19	II B	611216104007	ASMITHHA N K
20	II B	611216104025	GOWTHAM P V
21	II B	611216104032	HARINI SRI R
22	II B	611216104034	HARISH V
23	II B	611216104040	JAYASHRI R
24	II B	611216104044	JOTHEESHWARI B
25	II B	611216104047	KANMANI V
26	II B	611216104057	MADHAVAN P
27	II B	611216104060	MANESHA S
28	II B	611216104064	MANOJ KUMAR V
29	II B	611216104078	PRITHIVIRAJ K
30	II B	611216104080	PRIYADHARSINI V
31	II B	611216104095	SIVABALAN P
32	II B	611216104110	VIMAL P

  
Faculty Incharge

  
Principal,  
Knowledge Institute of Technology  
Kakaoalavam (Po), Salem-637 500

  
HOD

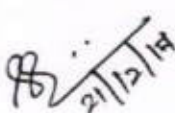
# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


Design and System Programming using E-Box

### SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	FN	Introduction to Abstract Data Types and analysis of different algorithms
	AN	Searching an array: linear and binary search. Sorting: Merge Sort, and analysis
DAY 2	FN	ADT Array -- searching and sorting on arrays, Review of Pointers in C. The Linked list ADT.
	AN	ADT Linked Lists, Stacks, Queues, reverse/search. Doubly linked lists, circular linked lists.
DAY 3	FN	Stack and Queue ADT, comparison of implementation using arrays and linked lists
	AN	Binary Trees, Tree ADT representation, traversal, application of binary trees in Huffman coding.
DAY 4	FN	Expression trees: Recursive traversal depth, height, and number of nodes. post/pre/infix notation.
	AN	Dictionary, ADT Priority queues, Heap ADT implementation and Heapsort, in place sorting, Heaps for maintaining interval trees
DAY 5	FN	Graphs, matrices. The Graph ADT and applications
	AN	Flyod Warshall's algorithm and applications
DAY 6	FN	List representation of a Graph. Breadth First Search traversal and identification of shortest paths.
	AN	Depth First Search recursive specification and application to finding articulation points.

  
21/12/14  
Course Coordinator

  
21/12/14  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po). Salem-637 504



KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

05.01.2018 -12.01.2018 | Course Attendance

Sl.No	Year	Register Number	Student Name	5.1.18	8.9.18	9.1.18	10.1.18	11.1.18	12.1.18
1	II A	611216104002	AISHWARYA R	/	/	/	/	/	/
2	II A	611216104011	BOPESH NANDHA P	/	/	/	/	/	/
3	II A	611216104045	KALAISELVI B	/	/	/	/	/	/
4	II A	611216104050	KAVIPRIYA R	/	/	/	/	/	/
5	II A	611216104058	MADHUMIDA S	/	/	/	/	/	/
6	II A	611216104061	MANIVASAGAM C	/	/	/	/	/	/
7	II A	611216104069	NARMADHA R	/	/	/	/	/	/
8	II A	611216104070	NAVEEN B	/	/	/	/	/	/
9	II A	611216104072	NIVETHA S	/	/	/	/	/	/
10	II A	611216104086	SARANYA D	/	a	/	/	/	/
11	II A	611216104087	SARAVANA DHARSAN S	/	/	/	/	/	/
12	II A	611216104093	SHARMITHA D K	/	/	/	/	/	/
13	II A	611216104099	SREEDHARSINI V	/	/	/	/	/	/
14	II A	611216104100	SRIGOKULNATH S	/	/	/	/	/	/
15	II A	611216104104	SUPRAJA P	/	/	/	/	/	/
16	II A	611216104105	SWATHI R	/	/	/	/	/	/
17	II A	611216104109	VASEEHARAN P G	/	/	/	/	/	/
18	II B	611216104005	ANUREKA J	/	/	/	/	/	/
19	II B	611216104007	ASMITHHA N K	/	/	/	/	/	/
20	II B	611216104025	GOWTHAM P V	/	/	a	/	/	/
21	II B	611216104032	HARINI SRI R	/	/	/	/	/	/
22	II B	611216104034	HARISH V	/	/	/	/	/	/
23	II B	611216104040	JAYASHRI R	/	/	/	/	/	/
24	II B	611216104044	JOTHEESHWARI B	/	/	/	/	/	/
25	II B	611216104047	KANMANI V	a	/	/	/	/	/
26	II B	611216104057	MADHAVAN P	/	/	/	/	/	/
27	II B	611216104060	MANESHA S	/	/	/	/	/	/
28	II B	611216104064	MANOJ KUMAR V	/	/	/	/	/	/
29	II B	611216104078	PRITHIVIRAJ K	/	/	/	/	/	/
30	II B	611216104080	PRIYADHARSINI V	/	/	/	/	/	/
31	II B	611216104095	SIVABALAN P	/	/	/	/	/	/
32	II B	611216104110	VIMAL P	/	/	/	/	/	/
No. of Students Present				31	31	31	32	32	32
No of Students Absent				01	01	01	—	—	—

Faculty Incharge

Principal,

Knowledge Institute of Technology  
Kakapalayam (Po). Salem-637 504.


HOD

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504  
 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
 Design and System Programming using E-Box  
 05.01.2018 -12.01.2018 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	II A	611216104002	AISHWARYA R	70
2	II A	611216104011	BOPESH NANDHA P	79
3	II A	611216104045	KALAISELVI B	70
4	II A	611216104050	KAVIPRIYA R	78
5	II A	611216104058	MADHUMIDA S	84
6	II A	611216104061	MANIVASAGAM C	78
7	II A	611216104069	NARMADHA R	69
8	II A	611216104070	NAVEEN B	63
9	II A	611216104072	NIVETHA S	76
10	II A	611216104086	SARANYA D	67
11	II A	611216104087	SARAVANA DHARSAN S	72
12	II A	611216104093	SHARMITHA D K	85
13	II A	611216104099	SREDHARSINI V	74
14	II A	611216104100	SRIGOKULNATH S	62
15	II A	611216104104	SUPRAJA P	85
16	II A	611216104105	SWATHI R	66
17	II A	611216104109	VASEEHARAN P G	70
18	II B	611216104005	ANUREKA J	79
19	II B	611216104007	ASMITHHA N K	67
20	II B	611216104025	GOWTHAM P V	80
21	II B	611216104032	HARINI SRI R	72
22	II B	611216104034	HARISH V	69
23	II B	611216104040	JAYASHRI R	60
24	II B	611216104044	JOTHEESHWARI B	80
25	II B	611216104047	KANMANI V	84
26	II B	611216104057	MADHAVAN P	64
27	II B	611216104060	MANESHA S	73
28	II B	611216104064	MANOJ KUMAR V	70
29	II B	611216104078	PRITHIVIRAJ K	73
30	II B	611216104080	PRIYADHARSINI V	66
31	II B	611216104095	SIVABALAN P	68
32	II B	611216104110	VIMAL P	68

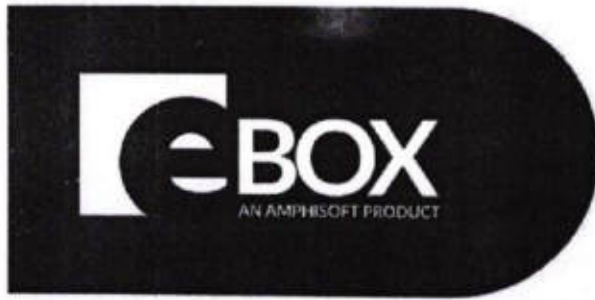
\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504

  
HOD



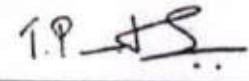


# CERTIFICATE OF COMPLETION

This is to certify that **JOTHEESHWARI B**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Design and System Programming using E-Box during **05.01.2018 - 12.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 504.

  
Mrs. Punitha Pradeep  
Founder & Director



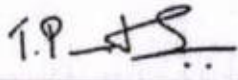
# CERTIFICATE OF COMPLETION



This is to certify that **PRITHIVIRAJ K**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Design and System Programming using E-Box during **05.01.2018 - 12.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **VASEEHARAN P G**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Design and System Programming using E-Box during **05.01.2018 - 12.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director




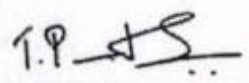
# CERTIFICATE OF COMPLETION



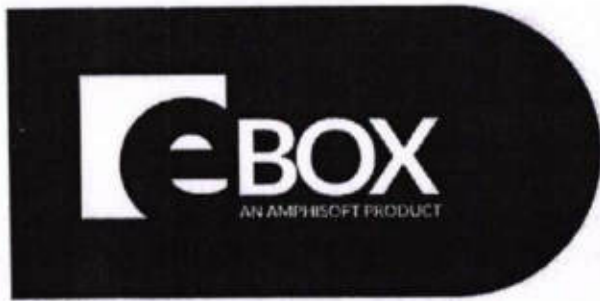
This is to certify that **ASMITHHA N K**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Design and System Programming using E-Box** during **05.01.2018 -**  
**12.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 504

  
Mrs. Punitha Pradeep  
Founder & Director




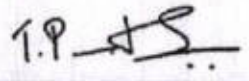


# CERTIFICATE OF COMPLETION

This is to certify that **MANIVASAGAM C**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Design and System Programming using E-Box during **05.01.2018 - 12.01.2018**.



  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504 .

  
Mrs. Punitha Pradeep  
Founder & Director

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: J. Anu Recha

Course Title: Design and System Programming Using E-Box

Year/Sem: 11/3

Dept : CSE

Date: 12/1/18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	/				
Course Delivery	/				
Practical Experience		/			
Additional resources available			/		
Overall rating about lecture and Training		/			

Positive points about the Lecture:

—

Suggestions for improvement:

Need more notes  
Need more Practical classes.

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Nivetha

Course Title: Design and system Programming Using E-Box

Year/ Sem: 11/3

Dept : CSE

Date: 12.01.18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		/			
Course Delivery	/				
Practical Experience			/		
Additional resources available				/	
Overall rating about lecture and Training	/				

Positive points about the Lecture:

Easy to Understand, Useful Programme

Suggestions for improvement:

Pm

Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504.

Nivetha  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Prayashankhini, V

Course Title: Design and System programming using E-Kit.

Year/ Sem: II / I

Dept : ae

Date: 12/1/18.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	<input checked="" type="checkbox"/>				
Course Delivery		<input checked="" type="checkbox"/>			
Practical Experience		<input checked="" type="checkbox"/>			
Additional resources available			<input checked="" type="checkbox"/>		
Overall rating about lecture and Training			<input checked="" type="checkbox"/>		

Positive points about the Lecture:

examples are good.

Explanation with system is more useful.

Suggestions for improvement:

PM

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

Prayashankhini  
(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: P. Vimal

Course Title: Design and system programming Using E-Box

Year/ Sem: II/III

Dept : CSE

Date: 12/1/18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery	✓				
Practical Experience		✓			
Additional resources available			✓		
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Get more industrial experience during this program  
Gained more knowledge in Real time applications

Suggestions for improvement:

*Pm*

Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po). Salem-637 504 .

*P. Vimal*

(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: SIVABALAN. P.

Course Title: Design and System Programming using E-Box.

Year/ Sem: IV<sup>th</sup> / II<sup>nd</sup> sem.

Dept : CSE

Date: 12/1/18.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓			
Additional resources available		✓			
Overall rating about lecture and Training			✓		

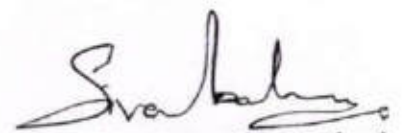
Positive points about the Lecture:

Explanations are good.

Suggestions for improvement:

Need more materials.

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

  
(Signature of the student)





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	29.08.2017 - 09.09.2017	<b>Resource person</b>	Prof. C.Vanitha, Assistant Professor, CSE, KIOT
<b>Time</b>	9.00pm – 5.00pm	<b>Title</b>	Database Design and Programming with SQL using Oracle iLearning
<b>Venue</b>	CC 11 & 12	<b>No. of Participants</b>	<b>42</b>

- This course engages students to analyze complex business scenarios and create a data model—a conceptual representation of an organization's information.
- Participants implement their database design by creating a physical database using SQL. Basic SQL syntax and the rules for constructing valid SQL statements are reviewed.
- This course culminates with a project that challenges students to design, implement, and demonstrate a database solution for a business or organization.
- The Students are learned the techniques and tools to design, guild and extract information from a database, also improved the basic mathematical, logical, and analytical problem-solving skills.



**Encl: Circular / Brochure / Attendance Sheet**

*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakaalavam (Po), Salem-637 504

## Database Design and Programming with SQL – Course Description

### Overview

This course engages students to analyze complex business scenarios and create a data model—a conceptual representation of an organization’s information. Participants implement their database design by creating a physical database using SQL. Basic SQL syntax and the rules for constructing valid SQL statements are reviewed. This course culminates with a project that challenges students to design, implement, and demonstrate a database solution for a business or organization.

### Duration

- Total Course Time: 60 hours\*

### Target Audience - Students

- Students who wish to learn the techniques and tools to design, build and extract information from a database
- Students who possess basic mathematical, logical, and analytical problem-solving skills
- Novice programmers, as well as those at advanced levels, to learning the SQL Programming language to an advanced level

### Prerequisites

#### Required

- Ease with using a computer
- General knowledge of databases and query activity

#### Suggested

- None

### Suggested Next Courses

- Database Programming with PL/SQL

### Lesson-by-Lesson Topics

#### Database Design

##### Introduction

- Introduction to the Oracle Academy
- Data vs. Information
- History of the Database
- Major Transformations in Computing

##### Entities and Attributes

- Conceptual and Physical Models
- Entities, Instances, Attributes, and Identifiers
- Entity Relationship Modeling and ERDs

##### Relationship Basics

- Identifying Relationships
- ER Diagramming Conventions
- Speaking ERDish & Drawing Relationships
- Matrix Diagrams

##### Super/Sub Types and Business Rules

- Supertypes and Subtypes
- Documenting Business Rules

##### Relationship Fundamentals

- Relationship Transferability
- Relationship Types
- Resolving Many-to-Many Relationships
- Understanding CRUD Requirements

##### UIDs and Normalization

- Artificial, Composite, and Secondary UIDs
- Normalization and First Normal Form
- Second Normal Form
- Third Normal Form

##### Arcs, Hierarchies, and Recursive Modeling

- Arcs
- Hierarchies and Recursive Relationships

##### Changes and Historical Modeling

- Modeling Historical Data
- Modeling Change: Time
- Modeling Change: Price
- Drawing Conventions for Readability

##### Mapping

- Introduction to Relational Database Concepts
- Basic Mapping: The Transformation Process

*PM*



14.08.2017

Salem

From

Prof.R.Saranya,  
Assistant Professor,  
Department of Computer Science and Engineering  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

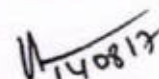
We have planned to conduct certification course on "Database Design and Programming with SQL using Oracle iLearning" from 29.08.2017 -09.09.2017 for a period of 10 days with the duration of 60 hours. This course will be helpful for the skill development and placement of our IV year students. In this regard, we request you to endowment as permission to conduct the course.


The course details are as follows:

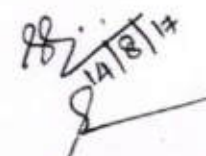
SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Database Design and Programming with SQL using Oracle iLearning	CC11, CC12 29.08.2017 - 09.09.2017 & 9.00am - 5.00pm	Prof.C.Vanitha, Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

  
HOD/CSE

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504.

  
PRINCIPAL



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

<b>Circular No.</b>	2017/CC/ODD/03	<b>Date</b>	21.08.2017
<b>To</b>	All IV year Students		
<b>Name of the subject</b>	Certificate Course on Database Design and Programming with SQL using Oracle iLearning		


This is to inform you that Department of Computer Science and Engineering in association with Oracle Academy has planned to conduct a **CERTIFICATE COURSE** on **Database Design and Programming with SQL using Oracle iLearning** for ALL the IV year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Database Design and Programming with SQL using Oracle iLearning	CC11, CC12 29.08.2017 - 09.09.2017 & 9.00am - 5.00pm	<b>Prof.C.Vanitha,</b> Assistant Professor, Department of Computer Science and Engineering


Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

  
FACULTY INCHARGE

  
HOD/CSE

  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

  
Principal,  
Knowledge Institute of Technology,  
Kekapalayam (Po). Salem-637 504



KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

29.08.2017 - 09.09.2017

Enrolled Student NameList


Sl.No	Year	Register Number	Student Name
1	IV A	611214104001	ANITHA. P
2	IV A	611214104005	BRINDHA.Y
3	IV B	611214104008	DHANOOJA.R
4	IV A	611214104014	GOPINATH. M
5	IV A	611214104016	HARINETHA.M
6	IV A	611214104017	HEMAPRABHA. R
7	IV B	611214104019	ISWARYA.M
8	IV A	611214104023	JONAS SALK. R
9	IV B	611214104025	KAVIPRIYA.A
10	IV B	611214104031	KOWSALYA.S
11	IV B	611214104032	KOWSIC SRIRAM. K
12	IV A	611214104034	MAARLIN.R
13	IV A	611214104037	MATHI PRIYA .J
14	IV A	611214104038	MENAKA.B
15	IV A	611214104048	NAVEEN.K
16	IV B	611214104050	PADMA PRIYA. G
17	IV A	611214104052	PRABHU . V
18	IV B	611214104053	PREETHI.M
19	IV B	611214104055	PRIYADHARSHINI.R
20	IV B	611214104056	PRIYADHARSHINI.S
21	IV A	611214104058	PUNITHA.K
22	IV B	611214104060	RAAGHUL. K
23	IV B	611214104062	RANJITHA R
24	IV B	611214104063	RAVI KUMAR.G
25	IV A	611214104064	REKHAA.R
26	IV B	611214104065	RUPAVATHY.M
27	IV A	611214104066	RUBIKA.T

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

28	IV A	611214104070	SASIMADHUMITHA.B
29	IV B	611214104071	SATHEESH KUMAR.P
30	IV B	611214104072	SATHICK IBRAHIM.S
31	IV B	611214104074	SHARATH KUMAR. N
32	IV B	611214104075	SIVA JOTHI.V
33	IV B	611214104076	SIVA PRIYA.R
34	IV B	611214104080	SOWMIYA. K
35	IV B	611214104081	SOWNDARYA.J
36	IV B	611214104085	SUMA. J
37	IV B	611214104088	SWATHI.D
38	IV B	611214104089	TAMILARASAN.D
39	IV B	611214104091	USHARANI.T
40	IV B	611214104096	YOGESHWARAN.V
41	IV B	611214104302	DINESHKUMAR.G
42	IV A	611214104501	ANU PREETHI V

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504




# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING


Certificate Course on Database Design and Programming with SQL

## SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	FN & AN	Database Design, Introduction, Entities and Attributes,
DAY 2	FN & AN	Super/Sub Types and Business Rules, Relationship Fundamentals, UIDs and Normalization
DAY 3	FN & AN	Arcs, Hierarchies, and Recursive Modeling, Changes and Historical Modeling
DAY 4	FN & AN	Mapping, Creating Database Projects
DAY 5	FN & AN	Presenting Database Projects, Database Programming with SQL - Introduction
DAY 6	FN & AN	SELECT and WHERE, WHERE, ORDER BY, and Intro to Functions
DAY 7	FN & AN	Single Row Functions , JOINS
DAY 8	FN & AN	Group Functions, Subqueries, DML
DAY 9	FN & AN	DDL, Constraints, Views, Sequences and Synonyms,
DAY 10	FN & AN	Privileges and Regular Expressions, TCL

  
Course Cordinator

  
HOD

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

KNOWLEDGE INSITTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

29.08.2017 - 09.09.2017 | Course Attendance

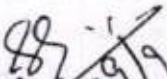
Sl.No	Year	Register Number	Student Name	29.8.17	30.8.17	6.9.17	7.9.17	8.9.17	9.9.17
1	IV A	611214104001	ANITHA. P	/	/	/	/	/	/
2	IV A	611214104005	BRINDHA.Y	/	/	/	/	/	/
3	IV B	611214104008	DHANOOJA.R	/	/	/	/	/	/
4	IV A	611214104014	GOPINATH. M	/	/	/	/	/	/
5	IV A	611214104016	HARINETHA.M	/	/	/	/	/	/
6	IV A	611214104017	HEMAPRABHA. R	/	/	/	/	/	/
7	IV B	611214104019	ISWARYA.M	/	/	/	/	/	/
8	IV A	611214104023	JONAS SALK. R	/	/	/	/	/	/
9	IV B	611214104025	KAVIPRIYA.A	/	/	/	/	/	/
10	IV B	611214104031	KOWSALYA.S	/	/	/	/	/	/
11	IV B	611214104032	KOWSIC SRIRAM. K	/	/	/	/	/	/
12	IV A	611214104034	MAARLIN.R	/	/	/	/	/	/
13	IV A	611214104037	MATHI PRIYA J	/	/	/	/	/	/
14	IV A	611214104038	MENAKA.B	/	/	/	/	/	/
15	IV A	611214104048	NAVEEN.K	/	/	/	/	/	/
16	IV B	611214104050	PADMA PRIYA. G	/	/	/	/	/	/
17	IV A	611214104052	PRABHU. V	/	/	/	/	/	/
18	IV B	611214104053	PREETHI.M	/	/	/	/	/	/
19	IV B	611214104055	PRIYADHARSHINLR	/	/	/	/	/	/
20	IV B	611214104056	PRIYADHARSHINIS	/	/	/	/	/	/
21	IV A	611214104058	PUNITHA.K	/	/	/	/	/	/
22	IV B	611214104060	RAAGHUL. K	/	/	/	/	/	/
23	IV B	611214104062	RANJITHA R	/	/	/	/	/	/
24	IV B	611214104063	RAVI KUMAR.G	/	/	/	/	/	/
25	IV A	611214104064	REKHAA.R	/	/	/	/	/	/
26	IV B	611214104065	RUPAVATHY.M	/	/	/	/	/	/
27	IV A	611214104066	RUBIKA.T	/	/	/	/	/	/

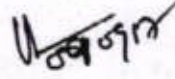
*Pm*


Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504



28	IV A	611214104070	SASIMADHUMITHA.B	/	/	/	/	/	/
29	IV B	611214104071	SATHEESH KUMAR.P	/	/	/	a	/	/
30	IV B	611214104072	SATHICK IBRAHIM.S	/	/	/	/	/	/
31	IV B	611214104074	SHARATH KUMAR. N	/	/	/	/	/	/
32	IV B	611214104075	SIVA JOTHI.V	/	/	/	/	/	/
33	IV B	611214104076	SIVA PRIYA.R	/	/	/	/	/	/
34	IV B	611214104080	SOWMIYA. K	a	/	/	/	/	/
35	IV B	611214104081	SOWNDARYA.J	/	/	/	/	/	/
36	IV B	611214104085	SUMA. J	/	/	/	/	/	/
37	IV B	611214104088	SWATHI.D	/	/	/	/	/	/
38	IV B	611214104089	TAMILARASAN.D	/	/	/	/	/	/
39	IV B	611214104091	USHARANI.T	/	/	/	/	/	/
40	IV B	611214104096	YOGESHWARAN.V	/	/	/	/	/	/
41	IV B	611214104302	DINESHKUMAR.G	/	/	/	/	/	/
42	IV A	611214104501	ANU PREETHI V	/	/	/	/	/	/
No. of Students Present				40	42	42	41	41	42
No of Students Absent				02	-	-	01	01	-

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504

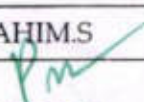
KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

14.09.2017 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	IV A	611214104001	ANITHA. P	68
2	IV A	611214104005	BRINDHA.Y	61
3	IV B	611214104008	DHANOOJA.R	79
4	IV A	611214104014	GOPINATH. M	70
5	IV A	611214104016	HARINETHA.M	67
6	IV A	611214104017	HEMAPRABHA. R	52
7	IV B	611214104019	ISWARYA.M	53
8	IV A	611214104023	JONAS SALK. R	68
9	IV B	611214104025	KAVIPRIYA.A	83
10	IV B	611214104031	KOWSALYA.S	71
11	IV B	611214104032	KOWSIC SRIRAM. K	76
12	IV A	611214104034	MAARLIN.R	73
13	IV A	611214104037	MATHI PRIYA .J	56
14	IV A	611214104038	MENAKA.B	84
15	IV A	611214104048	NAVEEN.K	83
16	IV B	611214104050	PADMA PRIYA. G	78
17	IV A	611214104052	PRABHU . V	84
18	IV B	611214104053	PREETHI.M	57
19	IV B	611214104055	PRIYADHARSHINI.R	86
20	IV B	611214104056	PRIYADHARSHINI.S	71
21	IV A	611214104058	PUNITHA.K	68
22	IV B	611214104060	RAAGHUL. K	74
23	IV B	611214104062	RANJITHA R	76
24	IV B	611214104063	RAVI KUMAR.G	65
25	IV A	611214104064	REKHAA.R	50
26	IV B	611214104065	RUPAVATHY.M	84
27	IV A	611214104066	RUBIKA.T	72
28	IV A	611214104070	SASIMADHUMITHA.B	56
29	IV B	611214104071	SATHEESH KUMAR.P	81
30	IV B	611214104072	SATHICK IBRAHIMS	64

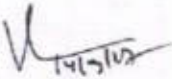
  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504




31	IV B	611214104074	SHARATH KUMAR. N	51
32	IV B	611214104075	SIVA JOTHI.V	86
33	IV B	611214104076	SIVA PRIYA.R	67
34	IV B	611214104080	SOWMIYA. K	74
35	IV B	611214104081	SOWNDARYA.J	78
36	IV B	611214104085	SUMA. J	51
37	IV B	611214104088	SWATHI.D	57
38	IV B	611214104089	TAMILARASAN.D	81
39	IV B	611214104091	USHARANI.T	63
40	IV B	611214104096	YOGESHWARAN.V	71
41	IV B	611214104302	DINESHKUMAR.G	80
42	IV A	611214104501	ANU PREETHI V	64

\*\*Max Marks - 100 | Min Marks - 50

  
Faculty Incharge

  
HOD

  
Principal,  
Knowledge Institute of Technology  
Kakadalayam (Po), Salem-637 504

**ORACLE ACADEMY**

# AWARD *of* ACHIEVEMENT

PRESENTED TO

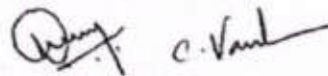
**ANITHA. P**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

14/9/2017



Oracle Academy Instructor



Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

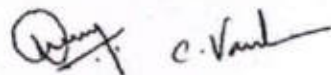
**BRINDHA.Y**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

14/9/2017



Oracle Academy Instructor



Principal,  
Knowledge Institute of Technology  
Kakaoalavam (Po), Salem-637 015

**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

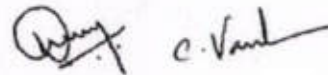
**DHANOOJA.R**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

14/9/2017



Oracle Academy Instructor



Principal,  
Knowledge Institute of Technology  
Kekapalavam (Po), Salem-637 504



**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

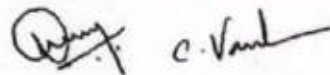
**GOPINATH M**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

14/9/2017



Oracle Academy Instructor



Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.

**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

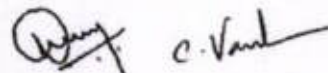
**HARINETHA M**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

14/9/2017



Oracle Academy Instructor



Principal,

Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504.



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Kowsalya.S.

Course Title: DATABASE DESIGN AND PROGRAMMING WITH SQL USING ORACLE iLearning.

Year/Sem: IV / VII

Dept : CSE

Date: 3/9/17.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery	✓				
Practical Experience			✓		
Additional resources available			✓		
Overall rating about lecture and Training		✓			

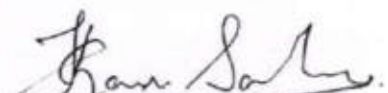
Positive points about the Lecture:

The presentation used is satisfactory. It is easy to understand.

Suggestions for improvement:



Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-637 604

  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Prabhur. V.

Course Title: Database design and Programming with SQL using Oracle iLearning.

Year/Sem: 4 / 7<sup>th</sup>

Dept : CSE

Date: 7/9/17

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience		✓			
Additional resources available			✓		
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Execution of more query.  
Explains the topic with example is good.

Suggestions for improvement:

Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-637 004.

(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: M. Prathi.

Course Title: Oracle 1 Learning.

Year/ Sem: IV/VII

Dept : CSE

Date: 9/9/17

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery	✓				
Practical Experience		✓			
Additional resources available		✓			
Overall rating about lecture and Training		✓			

Positive points about the Lecture:

Execute more Queries during this program.

Suggestions for improvement:

Need more materials.

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504

  
(Signature of the student)

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: P. Ranjitha.

Course Title: DATABASE DESIGN and PROGRAMMING WITH SQL USING ORACLE ; LEARNING.

Year/ Sem: IV / VII

Dept : CSE

Date: 9/9/2017

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course		✓			
Course Delivery		✓			
Practical Experience	✓				
Additional resources available		✓			
Overall rating about lecture and Training			✓		

Positive points about the Lecture:

Explanation good,  
easy to understand.

Suggestions for improvement:

—

*Pm*

Principal,  
Knowledge Institute of Technology,  
Kakapalavam (Po), Salem-837 504.

*Ranjitha R*  
(Signature of the student)



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering

## FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Brindha. Y

Course Title: Oracle i Learning.

Year/ Sem: IV / VII

Dept : ese.

Date: 09/09/2017


Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	✓				
Course Delivery		✓			
Practical Experience			✓		
Additional resources available		✓			
Overall rating about lecture and Training			✓		

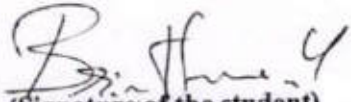
Positive points about the Lecture:

Easy to understand  
Good Explanations

Suggestions for improvement:

—

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504

  
(Signature of the student)

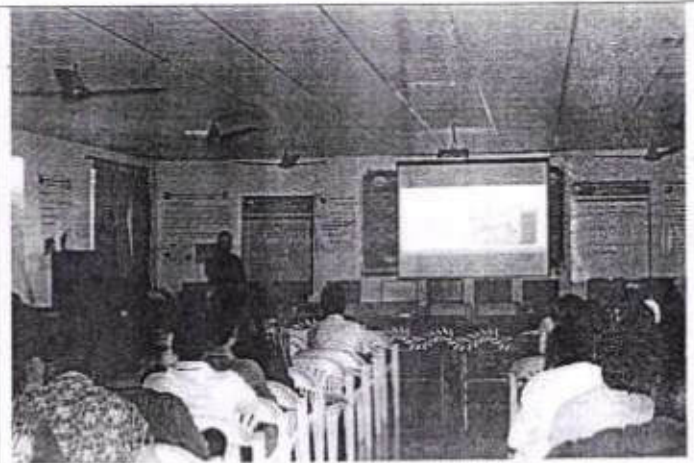
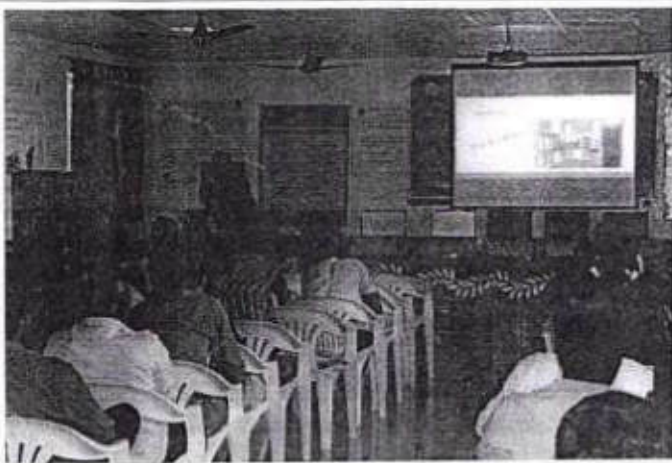


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-  
637504  
DEPARTMENT OF CIVIL ENGINEERING**


**REPORT OF THE EVENT**

<b>Date</b>	: 03.07.2017 to 13.07.2017	<b>Resource person</b>	: Mr. Abhuthaheer.S, Assistant Professor, Dept of Civil Engg. KIOT.
<b>Time</b>	: 2.00 pm to 6.00pm	<b>Title</b>	: Certification Course on "Architectural Design of buildings using Revit Architecture"
<b>Venue</b>	: CCIO, D-Block, KIOT.	<b>No. of Participants</b>	: 35

1. The veteran trainer explained about the Revit Architecture tools and features. The number of students participated were 35 in number with great interest.
2. This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.
3. His training gave a clear cut picture of how students can improve the employability skills of our students with the help of this software tool.
4. He also shared his long term experiences in the Construction field and explained the difficulties he had faced in his Industrial Career.



Encl: Circular / Brochure / Attendance Sheet

  
 PR NUPAL,  
 Knowledge Institute of Technology  
 Akapalayam (PO) Salem - 637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504



**CIRCULAR**

<b>Circular No.</b>	CIVIL/CC/2017-18/01	<b>Date</b>	30.06.2017
To	II Year CIVIL ENGINEERING students		
Subject	Certification Course on Architectural Design of buildings using Revit Architecture –reg.		
Circular issued by	Department of Civil Engineering.		

This is to inform you that Department of Civil Engineering has planned to conduct certification course on Architectural Design of buildings using Revit Architecture for II year Civil Engineering students. Registered candidates are requested to attend the course.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Course on "Architectural Design of buildings using Revit Architecture"	CC10, D-Block, KIOT. 03.07.2017 to 13.07.2017 2.00 pm to 6.00pm	Mr. S.Abhuthaheer, Assitant Professor, Dept. Of Civil Engg. KIOT.

For Further Details Kindly Contact: Mr. S. Pradeep Kumar, AP/Civil (978707797)


	
SENDER	PRINCIPAL

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Trans- port I/C	Hostel NB	Director / Training	Director / Placement	Residential Warden		College NB	Office / File	Class Circula- tion	Security Office	KBS	Recep- tion	
															LH	GH							
.	.	.	.	.	.	.																	

Checked by Principal office I/C	Verified by the sender
------------------------------------	---------------------------

File :

- 1) Principal Office :
- 2) Concerned issuing department :

  
PRINCIPAL,  
Knowledge Institute of Technology,  
Akagalavam (PO) Salem - 637 504

# Certificate Course

ON

## Architectural Design of buildings using Revit

### Architecture

03.07.2017 to 13.07.2017



Organized by

Department of Civil Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

Accredited by NAAC

KIOT campus, Kakapalayam (PO), Salem-637 504,

Tamil Nadu, India.

[www.kiot.ac.in](http://www.kiot.ac.in)

DR. N. J. PAL,

Knowledge Institute of Technology  
Kakapalayam (PO) Salem - 637 504

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

Knowledge Institute of Technology is one of the upcoming Institutions in India. The college was established in the year 2009. Knowledge Institute of Technology is a brainchild of Eminent Professors from leading Engineering Colleges, Philanthropists, Friends and Entrepreneurs who would like to contribute in nation building by establishing higher learning Institutions. The cutting edge infrastructure, well experienced faculty and accomplished staff make KIOT as a Premier Centre for learning. The college offers 5 B.E. courses and 4 M.E. courses accredited by NAAC. The vast experience of the promoters in training the students for all-round professionals and skill development ensures every student to transform into an evolved individual and a highly employable professional.

### ABOUT THE DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering branch of KIOT was started in the year 2010-11. The faculty members are well experienced and qualified in different specializations. In the enhancement of research forum, the department has established a "Centre for Sustainable Building Research" and initiated the LEED Lab (Leadership in Energy and Environmental Design) in association with United States Green Building Council (USGBC) and Centre of Excellence on "Remote Sensing & GIS" in association with SAKURA for carrying out research, teaching and consultation activities in various disciplines of Civil Engineering.

## SYLLABUS

1. Introduction to Revit Architecture  
Introduction About Revit Architecture, History of Revit Architecture, Units, modeling process.
2. Basics of creating and modifying objects  
Basics of creating and modifying objects- Creating geometry, Wall, Doors, Windows, Railing, Wall.
3. Editing tools  
Editing tools- Move, Copy, Rotate, Array, Mirror, Align, Split, Trim, Offset.
4. Modelling  
Floor, Roof, Component, Stairs, Railings, Ramp, Curtains
5. Modelling  
System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method- Overall review of basic concepts and topics discussed.
6. Advanced Design parameters  
Introduction About advanced Revit Architecture - Massing - Basics (Drafting), View (schedule & quantities)
7. 3D design of structures  
Room & areas, View (sheet, create a new sheet) Structural, Construction, Site (land scope works), View (creating camera views)
8. Creation of family  
Family - Creating doors, windows, furniture, profile, Rendering works (exterior @ interior), Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Import).

For Registration Kindly Contact:

Mr. Pradeep Kumar S, AP/Civil,

M: +91978707797, Mail: [spkcrivil@kiot.ac.in](mailto:spkcrivil@kiot.ac.in)



Introduction About advanced Revit Architecture -  
Massing - Basics (Drafting), View (schedule &  
quantities)

### 1. Introduction to Revit Architecture

Introduction About Revit Architecture, History of  
Revit Architecture, Units, modeling process.

### 2. Basics of creating and modifying objects

Basics of creating and modifying objects- Creating  
geometry, Wall, Doors, Windows, Railing, Wall.

### 3. Editing tools

Editing tools- Move, Copy, Rotate, Array, Mirror,  
Align, Split, Trim, Offset.

### 4. Modelling

Floor, Roof, Component, Stairs, Railings, Ramp,  
Curtains

### 5. Modelling

System, Curtain, Grid, Mullion, Host Sweep,  
Create, Profile Creation Method- Overall review of  
basic concepts and topics discussed.

### 6. Advanced Design parameters

### 7. 3D design of structures

Room & areas, View (sheet, create a new sheet)  
Structural, Construction, Site (hand scope works),  
View (creating camera views)

### 8. Creation of family

Family - Creating doors, windows, furniture,  
profile, Rendering works (exterior @ interior),  
Interior living, Interior Kids- Walk through works -  
Settings works, printing options (Export and  
Import).

### For Registration Kindly Contact:

Mr. Pradeep Kumar S, AP/Civil,

M: +91978707797,

Mail: [spkcivil@kiot.ac.in](mailto:spkcivil@kiot.ac.in) Knowledge Institute of  
Technology, Salem  
Registration Form

1. Name : .....

2. Age : ..... & Gender .....

3. Dept: .....

4. Address for Communication : .....

8. Mobile Number : .....

9. E-mail : .....

The information provided herewith is true to  
the best of my knowledge. I abide by the rules and  
regulations governing the seminar programme.

Date :

Signature of Applicant

Knowledge Institute of Technology

NH-47 KIOT Campus, Kakapalayam,

Salem - 637 504.

Address for Correspondence

Dr.K. VISAGAVEL

HOD-Mech./Vice Principal

The Convener- AMESHE 2019,

Department of Mechanical Engineering,

From

25.06.2017, Salem

S.Pradeep Kumar,  
Assistant Professor,  
Department of civil engineering,  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

We have planned to conduct certification course on "ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE" from 03.07.2017 to 13.07.2017 for a period of 10 days with the duration of 40 hours. It will be helpful for our II Year Civil Engineering students through which they can enrich their knowledge in Architectural design for various buildings. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development and placement of our students.

The course details are as follows:

Description	Particulars
Year	II (Civil Engineering Students)
Name of the Course	ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE
Company/ Resource Person	Mr.S.Abuthaheer, Assistant professor/CIVIL, Knowledge Institute of Technology
Total Number of Students Registered	35 Nos.

Thank you sir


Yours truly,



(S.Pradeep Kumar)



HOD/CIVIL



PRINCIPAL,  
Knowledge Institute of Technology,  
Akabatalavam (PO) Salem - 637 504



PRINCIPAL



**KNOWLEDGE INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERING**

**REGISTERED STUDENTS FOR CERTIFICATION COURSE**

The following students have been registered for the various certification courses conducted by the department of civil engineering for the AY 2017-18

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
1	611216103001	Aiswariya K C	Architectural Design of Buildings using Revit Architecture	03-07-2017	13-07-2017	40
2	611216103002	Aravinth B				
3	611216103003	Ayyappan R				
4	611216103004	Bharathraj D				
5	611216103006	Harineka P S				
6	611216103007	Harinisri K				
7	611216103008	Jeevagan R				
8	611216103010	Karthikeyan M				
9	611216103011	Kiruthika G				
10	611216103012	Lakshmi S				
11	611216103014	Manikandaprabhu R				
12	611216103016	Monisha S				
13	611216103017	Nandhini R				
14	611216103018	Nanthini V				
15	611216103020	Nisha J				
16	611216103021	Niveditha J				
17	611216103022	Prasanth K				
18	611216103024	Ravi Kumar K				



S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
19	611216103025	Sabari S	Architectural Design of Buildings using Revit Architecture	03-07-2017	13-07-2017	40
20	611216103027	Santhiya M				
21	611216103032	Sathyan S				
22	611216103035	Suriya P				
23	611216103036	Sushmithaa P				
24	611216103038	Thamaraiselvan R				
25	611216103040	Tharani S				
26	611216103042	Thilibkumar R				
27	611216103044	Vignesh Raj V				
28	611216103302	Elangovan R				
29	611216103306	Kesavan K V				
30	611216103311	Nandha Sriram V				
31	611216103315	Ridesh Kumar V				
32	611216103316	Sakthivel S				
33	611216103317	Sathish kumar V				
34	611216103319	Tamilarasan B				
35	611216103320	Venkatesh S				

*SPK*

COURSE CO-ORDINATOR

*pm*

MUNICIPAL  
Knowledge Institute of Technology  
Chennai - 600 024  
Salem - 637 504

P. M. S. S. J.  
HOD/CIVIL



KNOWLEDGE INSTITUTE OF TECHNOLOGY			
Department of Civil Engineering			
Course Plan			
Name of the Course	Architectural Design of Building using Revit Architecture	Semester	03
Level-1 Module	08	Number of Hours	40 hours
EXECUTION SCHEDULE			
Module No.	Name of the Module LEVEL 1	No. of Hours	
1	Introduction to Revit Architecture -Units	04	
2	Basics-Wall, Doors, Windows	04	
3	Editing tools- Move, Copy, Rotate, Array, Mirror, Align, Split, Trim, Offset	04	
4	Modeling-Floor, Roof, Component, Stairs, Railings, Ramp, Curtain,	08	
5	Modeling- System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method	08	
6	Advanced Design parameters	04	
7	3D design of Structures	04	
8	Creation of family  Rendering works	04	

  
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Detailed Execution Plan					
Name of the Course Module: 1. Introduction to <b>Revit Architecture</b>					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1	Introduction About <b>Revit Architecture</b> , History of <b>Revit Architecture</b> , Units, modeling process.	2	2	-	Day 1

Detailed Execution Plan					
Name of the Course Module: 2. Basics of creating and modifying objects					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2	Basics of creating and modifying objects- Creating geometry, Wall, Doors, Windows , Railing, Wall.	2	2	-	Day 2





Detailed Execution Plan

Name of the Course Module: 3. Editing tools

Duration: 04 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3	Editing tools- Move, Copy, Rotate, Array, Mirror, Align, Split, Trim, Offset	2	2	-	Day 3

Detailed Execution Plan

Name of the Course Module: 4 and 5. Modeling

Duration: 16 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4	Modeling- Floor, Roof, Component, Stairs, Railings, Ramp, Curtain,	4	4	-	Day 4
5	Modeling- System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method- Overall review of basic concepts and topics discussed	4	4	-	Day 5

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Detailed Execution Plan					
Name of the Course Module: 6. Advanced Design parameters					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
6	Introduction About advanced <b>Revit Architecture</b> - Massing - Basics (Drafting), View (schedule & quantities)	2	2	-	Day 6

Detailed Execution Plan					
Name of the Course Module: 7. 3D design of structures					
Duration: 4 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
7	Room & areas View (sheet, create a new sheet) Structural Construction Site (hand scope works) View (creating camera views)	2	2	-	Day 7



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Detailed Execution Plan

Name of the Course Module: 8. Creation of family

Duration: 08 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
8	Family - Creating doors, windows, furniture, profile Rendering works (exterior @ interior), Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Import)	2	2	-	Day 8

  
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DEPARTMENT OF CIVIL ENGINEERING

Course on Architectural Design of Buildings using Revit Architecture

S.No	Register No	Name of the student	ATTENDANCE REPORT												12.07.17	13.07.17
			03.07.17	04.07.17	05.07.17	06.07.17	07.07.17	08.07.17	09.07.17	10.07.17	11.07.17	12.07.17	13.07.17			
1	611216103001	Aiswarya K C	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	611216103002	Aravindh B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	611216103003	Ayyappan R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	611216103004	Bharathiraj D	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	611216103006	Harineka P S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	611216103007	Harisri K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	611216103008	Jeevagan R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	611216103010	Karthikeyan M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	611216103011	Kiruthika G	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	611216103012	Lakshmi S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	611216103014	Manikandaprabhu R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	611216103016	Monisha S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	611216103017	Nandhu R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	611216103018	Nanthini V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	611216103020	Nidha J	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	611216103021	Niveditha J	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	611216103022	Prasanth K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	611216103024	Ravi Kumar K	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19	611216103025	Subari S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20	611216103027	Santhiya M	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21	611216103032	Sathyan S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22	611216103035	Suriya P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23	611216103036	Sushmithaa P	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24	611216103038	Thamaraiselvan R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25	611216103040	Tharani S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26	611216103042	Thiliskumar R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27	611216103044	Vignesh Raj V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28	611216103302	Elangovan R	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29	611216103306	Kesavan K V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30	611216103311	Nandha Srikanth V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31	611216103315	Rudesh Kumar V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32	611216103316	Sakthivel S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33	611216103317	Sathish Kumar V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
34	611216103319	Tamilarasan B	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35	611216103320	Venkatesh S	/	/	/	/	/	/	/	/	/	/	/	/	/	/
NO. OF STUDENTS PRESENT			33	33	33	34	34	34	34	35	35	34	34	34	34	33
NO. OF STUDENTS ABSENT			2	2	—	01	01	01	01	—	—	01	01	01	01	02

P.M. S.J.

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Assessment for course on Architectural Design of Buildings using Revit  
Architecture

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  - C) Type Selector
  - D) Instance Property
  
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  - A) Elevation View
  - B) Section View
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  - C) DA
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  - A) Stair by sketch
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6. What is the Revit project file format?
  - A) RFA
  - B) DWG
  - C) RVT
  - D) FBX

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12. Create Beam in 3d View by using 3d snapping tools.
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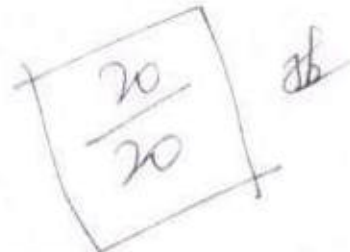


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A handwritten signature in green ink, appearing to be 'Pm'.

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Venkatesh  
3-year Civil Engg.

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- b) Bounding Box
  - c) Modifiers
  - d) Animation
8. Which is a setting or value that you can change.
- a) SMPTE
  - b) Parameter
  - c) Frame Rate
  - d) Vertex
9. Which provides quick access to tools and dialog boxes for many of the most common tasks in 3DS Max.
- a) Status Bar
  - b) Title Bar
  - c) Menu Bar
  - d) Main Toolbar
10. What is the display area of the user interface that allows you to view and manipulate the modifiers on an object.
- a) Title Bar
  - b) Modifier Stack
  - c) Material
  - d) Modifiers
11. Area of the User Interface where the objects are displayed is called \_\_\_\_\_
- a) Vectors
  - b) Gizmo
  - c) Viewport
  - d) ViewCube
12. An arbitrary point in space is used as the \_\_\_\_\_
- a) Grids
  - b) Spline
  - c) Object
  - d) Origin
13. Which is used to replicate an image used as a map.
- a) Tile
  - b) Pixel
  - c) Tweens
  - d) Edge
14. which is a straight or curved line that connects two vertices in a mesh object or spline.
- a) Render
  - b) Vertex
  - c) Tile
  - d) Edge


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18  
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*Pm*



P.S. Harinaka  
11 - yr / Civil

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  - D) None of these
  
3. View Cube can be found in the \_\_\_\_\_ View
  - A) Elevation View
  - B) Section View
  - C) Camra View
  - D) 3d View
  
4. What is the shortkey of Door?
  - A) DO
  - B) DOO
  - C) DA
  - D) DR
  
5. Define stair sketch method.
  - A) Stair by sketch
  - B) Stair by face
  - C) Stair in component
  - D) Stair by floor
  
6. What is the Revit project file format?
  - A) RFA
  - B) DWG
  - C) RVT
  - D) FBX

Handwritten mark: a box divided into two sections, each containing the number '20', with a signature to the right.

  
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7. Where is the option Door located in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

8. What is full form of UI in Revit Architecture?

- A) User Interface Workflow
- B) User Interface
- C) User Interfere
- D) None of these

9. What is the Revit family file format?

- A) FBX
- B) RVT
- C) RFA
- D) DWF

10. We typically sketch the shaft on a host element \_\_\_\_\_ view.

- A) Ceiling plan
- B) 2d plan
- C) Floor plan
- D) None of these

11. What is the Grid short key?

- A) GD
- B) GR
- C) GI
- D) GRD

12. Create Beam in 3d View by using 3d snapping tools.

- A) true
- B) false

13. By which process we can draw floor by face?

- A) Create floor select mass floor
- B) mass floor convert into floor building model
- C) create mass floor us floor by face
- D) None of these.

14. How can we create Ceiling?

- A) Ceiling defined by walls.
- B) Sketch inside boundary
- C) Pick line method
- D) All above

*Pm*

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**DEPARTMENT OF CIVIL ENGINEERING**

# Certificate

This is to certify that Mr/Ms R. Ayappan of \_\_\_\_\_  
II year student in academic year 2017-18 has

completed / attended the course on Architectural design of buildings using REVIT

ARCHITECTURE during the period from 03/07/17 to 13/07/17

at Knowledge Institute of Technology, Salem.

*S. Alamy*  
**COURSE  
 INSTRUCTOR**

*pm*

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 Knowledge Institute of Technology,  
 Kadalayam (PO) Salem - 63

*[Signature]*

**PRINCIPAL**

*[Signature]*

**HOD/CIVIL**





*Beyond Knowledge*

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**DEPARTMENT OF CIVIL ENGINEERING**

# Certificate

This is to certify that Mr/Ms         G. Sabari         of \_\_\_\_\_

        II         year student in academic year         2017-18         has

completed / attended the         course on Architectural design of buildings using REVIT        

        ARCHITECTURE         during the period from         03/07/17         to         13/07/17        

at Knowledge Institute of Technology, Salem.

  
**COURSE  
INSTRUCTOR**

  
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**DEPARTMENT OF CIVIL ENGINEERING**


# Certificate

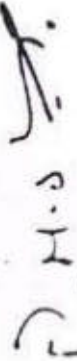
This is to certify that Mr/Ms J. Niveditha of \_\_\_\_\_  
II year student in academic year 2017-18 has

completed / attended the course on Architectural design of buildings using REVIT

ARCHITECTURE during the period from 02/07/17 to 13/07/17

at Knowledge Institute of Technology, Salem.

  
**COURSE  
INSTRUCTOR**

  
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# Certificate

This is to certify that Mr/Ms P. Sumiya of \_\_\_\_\_  
II year student in academic year 2017-18 has

completed / attended the course on Architectural design of buildings using REVIT

ARCHITECTURE during the period from 03/07/17 to 13/07/17

at Knowledge Institute of Technology, Salem.

*S. S. Srinivasan*  
**COURSE  
INSTRUCTOR**

*PK N. K. R.*

PK N. K. R.,  
Knowledge Institute of Technology,  
Ayacalavam (PO), Salem - 637 502

*P. H. S. Srinivasan*

**HOD/CIVIL**

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**DEPARTMENT OF CIVIL ENGINEERING**

# Certificate

This is to certify that Mr/Ms S. Venkatesh of           
II year student in academic year 2017-18 has

completed / attended the course on Architectural design of buildings using REVIT

ARCHITECTURE during the period from 03/07/17 to 13/07/17

at Knowledge Institute of Technology, Salem.

  
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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *M. Karthikeyan*

Year/Sem/Sec:  
*II/03*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer			✓	
2	Course Material	✓			
3	Clarity of the content delivery	✓			
4	Hands on training experience	✓			
5	Overall experience about the Course	✓			

**SUGGESTIONS IF ANY:**

*Trainer is good*

**Student Sign:**

*M. Karthikeyan*

*Pm*

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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *R. Jeevagan*

Year/Sem/Sec:  
*II/03*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		✓		
2	Course Material	✓			
3	Clarity of the content delivery			✓	
4	Hands on training experience	✓			
5	Overall experience about the Course	✓			

**SUGGESTIONS IF ANY:**

*course material is Good.*

**Student Sign:**

*R. Jeevagan*

*pm*  
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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *G. Chaitika*

Year/Sem/Sec:  
*4/701*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer			✓	
2	Course Material	✓			
3	Clarity of the content delivery			✓	
4	Hands on training experience	✓			
5	Overall experience about the Course			✓	

**SUGGESTIONS IF ANY:**

*Course material moderate*

**Student Sign:**

*G. Chaitika*

*Pm*

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**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *Harini Sri*

Year/Sem/Sec:  
*II/02*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	/			
2	Course Material	/			
3	Clarity of the content delivery		✓		
4	Hands on training experience		✓		
5	Overall experience about the Course	✓			

**SUGGESTIONS IF ANY:**

*Good experience learning*

**Student Sign:**

*H. Harini Sri*

*Pm*





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**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: R. Thamaraiselvan

Year/Sem/Sec:


II/03

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer				✓
2	Course Material			✓	
3	Clarity of the content delivery		✓		
4	Hands on training experience	✓			
5	Overall experience about the Course				✓

**SUGGESTIONS IF ANY:**

Good and very informative

**Student Sign:**

 R. Thamaraiselvan



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**DEPARTMENT OF CIVIL ENGINEERING**

**REPORT OF THE EVENT**

<b>Date</b> :	10.07.2017 to 20.07.2017	<b>Resource person</b> :	T.Prem Kumar, Course Instructor, Cadd square, Salem.
<b>Time</b> :	10.00 am to 2.00pm	<b>Title</b> :	Certification Course on <b>3D Modeling of buildings using 3ds MAX DESIGN</b>
<b>Venue</b> :	CC10, D-Block, KIOT.	<b>No. of Participants</b> :	42

1. This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.
2. He has given the overall view of the software course and has made student to design the architectural perspective of the building.
3. This training gave a clear cut picture of planning and design of building to our students.
4. The veteran trainer shared his long term experiences in the design field and explained the importance of design of building



Encl: Circular / Brochure / Attendance Sheet

*Pm*

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
**CIRCULAR**

<b>Circular No.</b>	CIVIL/CC/2017-18/02	<b>Date</b>	05.07.2017
<b>To</b>	III Year CIVIL ENGINEERING students		
<b>Subject</b>	Certification Course on <b>3D Modeling of buildings using 3ds MAX design -reg</b>		
<b>Circular issued by</b>	Department of Civil Engineering.		

This is to inform you that Department of Civil Engineering has planned to conduct certification course on **3D Modeling of buildings using 3ds MAX design** for III year Civil Engineering students. Registered candidates are requested to attend the course and make use of the given opportunity.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certification Course on <b>"3D Modeling of buildings using 3ds MAX design"</b>	CC10, D-Block, KIOT. 10.07.2017 to 20.07.2017 10.00 am to 2.00pm	Er. T.Prem Kumar Course Instructor, CAD SQUARE. Salem-4.

For Further Details Kindly Contact: Mr. S. Pradeep Kumar, AP/Civil (978707797)


	
SENDER	PRINCIPAL

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Transport I/C	Hostel NB	Director / Training	Director / Placement	Residential Warden	College NB	Office / File	Class Circulation	Security Office	KBS	Reception
.	.	.	.	.	.								.	.			.				

Checked by Principal office I/C	Verified by the sender
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File :

- 1) Principal Office :
- 2) Concerned issuing department :

  
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 Knowledge Institute of Technology  
 Yakopalayam (PO) Salem - 637 504

# Certificate Course

ON

## 3D modelling of Buildings using 3ds MAX DESIGN

10.07.2017 to 20.07.2017



Organized by

Department of Civil Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

Accredited by NAAC

KIOT campus, Kokapalayam (PO), Salem-637 504,

Tamil Nadu, India.

[www.kiot.ac.in](http://www.kiot.ac.in)

### ABOUT KIOT

Knowledge Institute of Technology is one of the upcoming Institutions in India. The college was established in the year 2009. Knowledge Institute of Technology is a branch of Eminent Professors from leading Engineering Colleges, Philanthropists, Friends and Entrepreneurs who would like to contribute in nation building by establishing higher learning Institutions. The cutting edge infrastructure, well experienced faculty and accomplished staff make KIOT as a Premier Centre for learning. The college offers 5 B.E. courses and 1 M.E. courses accredited by NAAC. The vast experience of the promoters in training the students for all-round professionals and skill development ensures every student to transform into an evolved individual and a highly employable professional.

### ABOUT THE DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering branch of KIOT was started in the year 2010-11. The faculty members are well experienced and qualified in different specializations. In the enhancement of research forum, the department has established a "Centre for Sustainable Building Research" and initiated the I.I.D Lab (Leadership in Energy and Environmental Design) in association with United States Green Building Council (USGBC) and Centre of Excellence on "Remote Sensing & GIS" in association with SAKURA for carrying out research, teaching and consultation activities in various disciplines of Civil Engineering.

### SYLLABUS

1. Introduction to 3ds Max Design
- Introduction To 3ds Max & GUI, Unit Setup, Application of Tools In Main Tool Bar & Command Panel.

### 2. Geometry and Objects

Geometric primitives, Standard primitives, Extended Primitives, Architectural objects, AEC extended objects.

### 3. Editing tools

Selection Tools, Operating Tools, Mirror & Snaps - Concepts Of 2d Shapes, Extrude Lathe, Loft, Boolean, Using Editable Spline.

### 4. Mesh & Poly

Relation With Auto Cad And Revit Architecture. Mesh & Poly Floor, Roof, Component, Stairs, Railings, Ramp, Curtains

### 5. Modelling

Modelling- System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method.

### 6. Usage of tools

Selection Tools, Operating Tools, Mirror & Snaps - Concepts Of 2d Shapes, Extrude Lathe, Loft, Boolean,

### 7. Advanced Design parameters

Introduction To Material Textures And Maps Concepts of texturing And Adding .

### 8. 3D design of structures

Material Editor, Lights & Light Parameters, Camera & Camera Features, Path camera, Walk Through

### 9. Creation of family

Rendering works (exactor @ interior), Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Import)

For Registration Kindly Contact:

Mr. Pradeep Kumar S, AP/Civil,

M:-91978707797 . Mail: [spkivil@kiot.ac.in](mailto:spkivil@kiot.ac.in)



PRINCIPAL,

Knowledge Institute of Technology

Kokapalayam (PO) Salem - 637 504



From

16/06/2017, Salem

S.Pradeep Kumar,  
Assistant Professor,  
Department of civil engineering,  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**


We have planned to conduct certification course on "3D MODELLING OF BUILDINGS USING 3ds MAX DESIGN" from 10.07.2017 to 20.07.2017 for a period of 10 days with the duration of 40 hours. It will be helpful for our II Year Civil Engineering students through which they can enrich their knowledge in 3Dimensional animations for various buildings. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development and placement of our students.

The course details are as follows:

Description	Particulars
Year	III (Civil Engineering Students)
Name of the Course	<b>3D MODELLING OF BUILDINGS USING 3ds MAX DESIGN</b>
Company/ Resource Person	<b>Er. T.Prem Kumar, Course Instructor, Cadd Square,Salem</b>
Total Number of Students Registered	42 Nos.

Thank you sir

Yours truly,

  
(S. Pradeep Kumar)

  
HOD/CIVIL

  
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Knowledge Institute of Technology  
Chakrapalavaram (P.O) Salem - 637 504

  
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**DEPARTMENT OF CIVIL ENGINEERING**  
**REGISTERED STUDENTS FOR CERTIFICATION COURSE**

The following students have been registered for the various certification courses conducted by the department of civil engineering for the AY 2017-18

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
1	611215103001	ABDULRAHMAN N	3D modelling of Buildings using 3ds Max Design	10-07-2017	20-07-2017	40
2	611215103003	AKILA R				
3	611215103006	ARAVIND KUMAR T				
4	611215103008	ARULMURUGAN L				
5	611215103010	DANUSHPRABHU S				
6	611215103011	DEEPAK D				
7	611215103012	DHAARIENIE M R				
8	611215103013	DHANUSH KUMAR S				
9	611215103015	DIVYAA M				
10	611215103016	GANESH SHANKAR R				
11	611215103017	GAYATHRI S				
12	611215103018	GIRISHKUMAR G				
13	611215103020	HEMALATHA P				
14	611215103021	HEMAVARTHINI M V				
15	611215103024	KARTHIKA R				
16	611215103025	KAVIYA M P				
17	611215103026	KEERTHANA M				
18	611215103027	MAHILESH A				
19	611215103030	MOHANKUMAR A				
20	611215103032	NANDHINI J K				
21	611215103034	NEYA S				
22	611215103035	OBULIEVIGNESH S				
23	611215103036	OBULIVIGNESH V				





S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
24	611215103038	RAMAKRISHNAN S	3D modelling of Buildings using 3ds Max Design	10-07-2017	20-07-2017	40
25	611215103040	SAKTHIVEL S				
26	611215103042	SANTHOSH KUMAR V				
27	611215103043	SARAVANAN R				
28	611215103045	SHAHINA THASLIM M				
29	611215103046	SHRINATH A				
30	611215103050	TAMILSELVAN M R				
31	611215103052	UDHAYAPRIYA A				
32	611215103053	VIGNESH P				
33	611215103301	ARUN PRASATH S				
34	611215103302	ASWIN P				
35	611215103303	GIRINATH S				
36	611215103306	LOGARAJ G				
37	611215103307	NAGABALAJIB				
38	611215103308	PERUMAL K				
39	611215103309	RAVIVARMA M				
40	611215103310	REVGIRI D				
41	611215103313	SOWMYA M				
42	611215103701	YUGAPPRIYADHARSHINI R				

*Spk*

COURSE COORDINATOR

*pm*  
PRINCIPAL

Knowledge Institute of Technology  
Akapatlavam (PO) Salem - 637 201

*P.M.S.V.*

HOD/CIVIL

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Department of Civil Engineering

**Course Plan**

Name of the Course	<b>3D modeling of Buildings using 3ds MAX DESIGN</b>	Semester	05
Level-1 Module	09	Number of Hours	40 hours

**EXECUTION SCHEDULE**

Module No.	Name of the Module LEVEL 1	No. of Hours
1	Introduction To 3ds Max & GUI, Unit Setup	04
2	Standard primitivies, Extended Primitives, Elevation	04
3	Tools, Mirror & Snaps - Concepts Of 2d Shapes	04
4	Relation With Auto Cad And Revit Architecture, Mesh & Poly	04
5	Modeling	04
6	Introduction To Material Textures And Maps Concepts of texturing And Adding	04
7	Material Editor, Lights & Light Parameters	04
8	Camera & Camera Features, Path camera, Walk Through	04
9	Rendering Setup & Rendering, Walk Through To Video	08



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Detailed Execution Plan					
Name of the Course Module: 1. Introduction to 3ds Max Design					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1	Introduction To 3ds Max & GUI Unit Setup Application of Tools In Main Tool Bar & Commad Panel.	2	2	-	Day 1

Detailed Execution Plan					
Name of the Course Module: 2. Geometry and Objects					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2	Geometric primitives, Standard primitives, Extended Primitives , Architectural objects, AEC extended objects	2	2	-	Day 2

Detailed Execution Plan					
Name of the Course Module: 3. Editing tools					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3	Selection Tools, Operating Tools, Mirror & Snaps - Concepts Of 2d Shapes, Extrude Lathe , Loft, Boolean, Using Editable Spline	2	2	-	Day 3

**Detailed Execution Plan**

Name of the Course Module: 4. Usage of mesh and poly

Duration: 04 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4	Relation With Auto Cad And Revit Architecture. Mesh & Poly	2	2	-	Day 4

**Detailed Execution Plan**

Name of the Course Module: 5. Modeling

Duration: 04 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
5	Modeling- System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method	2	2	-	Day 5

**Detailed Execution Plan**

Name of the Course Module: 6. Usage of tools

Duration: 04 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
6	Selection Tools, Operating Tools, Mirror & Snaps - Concepts Of 2d Shapes Extrude Lathe , Loft, Boolean. .... Using Editable Spline	2	2	-	Day 6





Detailed Execution Plan					
Name of the Course 2 Module: 7. Advanced Design parameters					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
7	Introduction To Material Textures And Maps Concepts of texturing And Adding	2	2	-	Day 7

Detailed Execution Plan					
Name of the Course Module: 8. 3D design of structures					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
8	Material Editor, Lights & Light Parameters, Camera & Camera Features, Path camera, Walk Through	2	2	-	Day 8

Detailed Execution Plan					
Name of the Course Module: 9. Rendering					
Duration: 08 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
9	Rendering works (exterior @ interior), Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Import)	4	4	-	Day 9

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FACULTY I/c

*P.M. S. J.*  
HOD CIVIL

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**DEPARTMENT OF CIVIL ENGINEERING**  
 Course on 3D modelling of Buildings using 3ds Max Design

**ATTENDANCE REPORT**

S.No	Register No	Name of the student	10/07/17	11/07/17	12/07/17	13/07/17	14/07/17	15/07/17	16/07/17	17/07/17	18/07/17	19/07/17	20/07/17
1	611215103001	ABDULRAHMAN N	/	/	/	/	/	/	/	/	/	/	/
2	611215103003	AKILA R	/	/	/	/	/	/	/	/	/	/	/
3	611215103006	ARAVIND KUMAR T	/	/	/	/	/	/	/	/	/	/	/
4	611215103008	ARULMURUGAN L	/	/	/	/	/	/	/	/	/	/	/
5	611215103010	DANUSHPRABHU S	/	/	/	/	/	/	/	/	/	/	/
6	611215103011	DEEPAK D	/	/	/	/	/	/	/	/	/	/	/
7	611215103012	DHAARIENIE M R	/	/	/	/	/	/	/	/	/	/	/
8	611215103013	DHANUSH KUMAR S	/	/	/	/	/	/	/	/	/	/	/
9	611215103015	DIVYAA M	/	/	/	/	/	/	/	/	/	/	/
10	611215103016	GANESH SHANKAR R	/	/	/	/	/	/	/	/	/	/	/
11	611215103017	GAYATHRI S	/	/	/	/	/	/	/	/	/	/	/
12	611215103018	GIRISHKUMAR G	/	/	/	/	/	/	/	/	/	/	/
13	611215103020	HEMALATHA P	/	/	/	/	/	/	/	/	/	/	/
14	611215103021	HEMAVARTHINI M V	/	/	/	/	/	/	/	/	/	/	/
15	611215103024	KARTHIKA R	/	/	/	/	/	/	/	/	/	/	/
16	611215103025	KAVIYA M P	/	/	/	/	/	/	/	/	/	/	/
17	611215103026	KEERTHANA M	/	/	/	/	/	/	/	/	/	/	/
18	611215103027	MAHILESH A	/	/	/	/	/	/	/	/	/	/	/
19	611215103030	MOHANKUMAR A	/	/	/	/	/	/	/	/	/	/	/
20	611215103032	NANDHINI J K	/	/	/	/	/	/	/	/	/	/	/
21	611215103034	NEYA S	/	/	/	/	/	/	/	/	/	/	/
22	611215103035	OBULIEVIGNESH S	/	/	/	/	/	/	/	/	/	/	/
23	611215103036	OBULVIGNESH V	/	/	/	/	/	/	/	/	/	/	/
24	611215103038	RAMAKRISHNAN S	/	/	/	/	/	/	/	/	/	/	/
25	611215103040	SAKTHIVEL S	/	/	/	/	/	/	/	/	/	/	/
26	611215103042	SANTHOSH KUMAR V	/	/	/	/	/	/	/	/	/	/	/
27	611215103043	SARAVANAN R	/	/	/	/	/	/	/	/	/	/	/
28	611215103045	SHAHINA THASLIM M	/	/	/	/	/	/	/	/	/	/	/
29	611215103046	SHRINATH A	/	/	/	/	/	/	/	/	/	/	/
30	611215103050	TAMILSELVAN M R	/	/	/	/	/	/	/	/	/	/	/
31	611215103052	UDHAYA PRIYA A	/	/	/	/	/	/	/	/	/	/	/




S.No	Register No	Name of the student	10/7	11/7	12/7	13/7	14/7	15/7	16/7	17/7	18/7	19/7	20/7
32	611215103053	VIGNESH P	/	/	/	/	/	/	/	/	/	/	/
33	611215103301	ARUN PRASATH S	/	/	/	/	/	/	/	/	/	/	/
34	611215103302	ASWIN P	/	/	/	/	/	/	/	/	/	/	9/
35	611215103303	GIRINATH S	/	/	/	/	/	/	/	/	/	/	/
36	611215103306	LOGARAJ G	6	/	/	/	9	/	/	/	/	/	/
37	611215103307	NAGABALAJI B	/	/	/	/	/	/	/	/	/	6	/
38	611215103308	PERUMAL K	/	/	/	/	/	/	/	6	/	/	/
39	611215103309	RAVIVARMA M	/	/	/	/	/	/	/	/	/	/	/
40	611215103310	REVGIRI D	/	/	/	/	/	/	/	/	/	/	/
41	611215103313	SOWMYA M	/	/	/	/	/	/	/	/	/	/	/
42	611215103701	YUGAPPRİYADHARSHINI R	/	/	/	a	a	/	/	/	/	/	/
No. of students present			39	41	41	40	40	41	41	40	41	41	39
No. of students absent			03	01	01	02	02	1	01	02	01	01	03
Course Coordinator Sign			spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk

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P.M.S.V.T.  
HOD/CIVIL

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S. Neya  
III - year. Civil

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*Pm*




- b) Bounding Box
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*Pm*



P. Vignesh  
III - Civil

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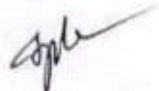


S. girinath - III - civil

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that Mr/Ms N. Abdul Rahman of  
1<sup>st</sup> year student in academic year 2017-2018 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 10.07.17 to 20.07.17  
at Knowledge Institute of Technology, Salem.

*T. Ramesh*

**COURSE  
INSTRUCTOR**

*P. M. S. S.*

**HOD/CIVIL**

*P. M.*

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Knowledge Institute of Technology,  
Akabalahem (PO), Salem - 637 506

*P. M. S. S.*

**PRINCIPAL**



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Approved by AICTE, Affiliated to Anna University, Accredited by NAAC

## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE



Beyond Knowledge

This is to certify that Mr/Ms S. Shanushprabhu of  
11 year student in academic year 2017-2018 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 10.07.17 to 20.07.17  
at Knowledge Institute of Technology, Salem.

*T. R. Ramesh*

**COURSE  
INSTRUCTOR**

*P. M. S. S.*

**HOD/CIVIL**

*[Signature]*

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Knowledge Institute of Technology  
Akabalam (PO) Salem - 637

*[Signature]*

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*Beyond Knowledge*

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that Mr/Ms P. Hemalatha of \_\_\_\_\_  
1<sup>st</sup> year student in academic year 2017-2018 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 10.07.17 to 20.07.17  
at Knowledge Institute of Technology, Salem.

*T. R. Ramesh*

**COURSE  
INSTRUCTOR**

*P. H. S. Srinivasan*

**HOD/CIVIL**

*P. M. V.*

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Knowledge Institute of Technology  
Sasipalayam (P.O), Salem - 637 026

*P. M. V.*

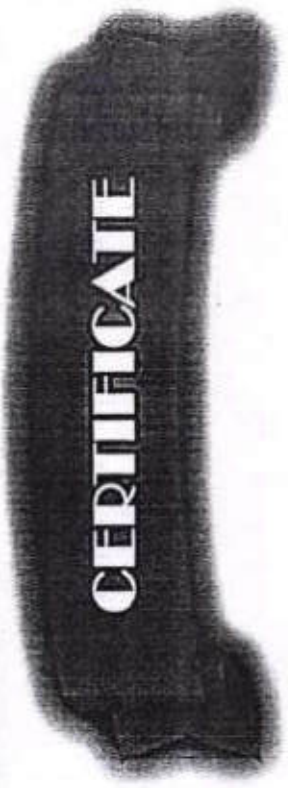
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**DEPARTMENT OF CIVIL ENGINEERING**



This is to certify that Mr/Ms A. Mahesh of \_\_\_\_\_  
11 year student in academic year 2017-2018 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 10.07.17 to 20.07.17  
at Knowledge Institute of Technology, Salem.

T. Ramesh  
**COURSE INSTRUCTOR**

P. H. S. S.  
**HOD/CIVIL**

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Knowledge Institute of Technology  
Sakapalavom (PO), Salem - 637 502

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that Mr/Ms M. Sowmya of \_\_\_\_\_  
II year student in academic year 2017-2018 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 10.07.17 to 20.07.17  
at Knowledge Institute of Technology, Salem.

*T. R. Ramesh*

**COURSE  
INSTRUCTOR**

*P. H. S. Srinivasan*

**HOD/CIVIL**

*[Signature]*

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Katabalavayam (P.O.) Salem - 617 014

*[Signature]*

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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *P. Aswin*

Year/Sem/Sec: *II/05*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material	✓			
3	Clarity of the content delivery	✓			
4	Hands on training experience	✓			
5	Overall experience about the Course	✓			

Suggestions if any:

*The class was very usefull & Good.*

Student Sign:

*Aswin*

*Aswin*



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**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *Shrinath A*

Year/Sem/Sec: *14/05*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material			✓	
3	Clarity of the content delivery		✓		
4	Hands on training experience			✓	
5	Overall experience about the Course		✓		

Suggestions if any:

→ Voice Not audible.

**Student Sign:**

*Shrinath A*





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**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *S. Sakthivel*

Year/Sem/Sec: *III / 05*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material			✓	
3	Clarity of the content delivery	✓			
4	Hands on training experience		✓		
5	Overall experience about the Course	✓			

Suggestions if any:

*More time needed to practice.*

Student Sign:

*S. Sakthivel*

*Pm*

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Kakopalavam (PO) Salem - 637 504



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**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *S. Naya*

Year/Sem/Sec: *11/105*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		<i>✓</i>		
2	Course Material	<i>✓</i>			
3	Clarity of the content delivery		<i>✓</i>		
4	Hands on training experience	<i>✓</i>			
5	Overall experience about the Course	<i>✓</i>			

Suggestions if any:

*More time needed*

**Student Sign:**

*B. C.*

*Pm*  
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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *R. Karthika*

Year/Sem/Sec: *III / 05*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material		✓		
3	Clarity of the content delivery	✓			
4	Hands on training experience	✓			
5	Overall experience about the Course	✓			

Suggestions if any:

- 1) voice not audible.
- 2) useful
- 3) Informative

**Student Sign:**

*R. Karthika*

*[Signature]*

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Kopalavam (PO) Salem - 637 504



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**DEPARTMENT OF CIVIL ENGINEERING**

**REPORT OF THE EVENT**

<b>Date</b>	: 05.07.2017 to 15.07.2017	<b>Resource person</b>	: P.M.Muthukrishnan, Course Instructor, Cadd square, Salem.
<b>Time</b>	: 10.30 a.m to 02.30 pm	<b>Title</b>	: Certification Course on <b>Analysis of structural members using Staad pro v8i</b>
<b>Venue</b>	: CC10, D-Block, KIOT.	<b>No. of Participants</b>	: 45

1. This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry. STAAD.Pro is the most widely used software for structure designing processes.
2. This software helps Civil Engineers and Project Engineers in analyzing and designing a wide array of structures. STAAD.Pro v8i software has included both concrete and steel design together, thus making it a one-stop-point for building design. This software can also calculate the reinforcement for the concrete columns, beams and shear wall.
3. STAAD.Pro Foundation, STAAD.offshore, and RAM Concept for designing of foundations, offshore structures and steel connection tools are provided.
4. The veteran trainer shared his long term experiences in the design field and explained the importance of design of building.



**Encl: Circular / Brochure / Attendance Sheet**

P.M. MUTHUKRISHNAN,  
 Knowledge Institute of Technology  
 Akabaiyavam (PO) Salem - 637 504



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**CIRCULAR**

<b>Circular No.</b>	CIVIL/CC/2017-18/03	<b>Date</b>	30.06.2017
<b>To</b>	IV Year CIVIL ENGINEERING students		
<b>Subject</b>	Certification Course on <b>Analysis of Structural members using Staad pro v8i –reg.</b>		
<b>Circular issued by</b>	Department of Civil Engineering.		

This is to inform you that Department of Civil Engineering has planned to conduct Certification Course on **Analysis of Structural members using Staad pro v8i** for IV year Civil Engineering students. Registered candidates are requested to attend the course and make use of the given opportunity.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certification Course on "Analysis of Structural members using Staad pro v8i"	CC10, D-Block, KIOT. 05.07.2017 to 15.07.2017 10.30 am to 1.30pm	Er. P.M. Muthukrishnan Course Instructor, CAD SQUARE, Salem-4.

For Further Details Kindly Contact: Mr. S. Pradeep Kumar, AP/Civil (978707797)


	
SENDER	PRINCIPAL

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Transport I/C	Hostel NB	Director / Training	Director / Placement	Residential Warden		College NB	Office / File	Class Circulation	Security Office	KBS	Reception
															LH	GH						
.	.	.	.	.	.								.	.				.				

Checked by Principal office I/C		Verified by the sender	
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File :

- 1) Principal Office :
- 2) Concerned issuing department :

  
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Knowledge Institute of Technology  
Kannayam (PO) Salem - 637 504

# Certificate Course

ON

## Analysis of structural members using Staad Pro v8i

05.07.2017 to 15.07.2017



Knowledge Institute of Technology

Organized by

Department of Civil Engineering

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**INSTITUTE OF TECHNOLOGY**  
Accredited by NAAC

KIOT campus, Kakapalayam (P.O), Salem-637 504,  
Tamil Nadu, India.  
[www.kiot.ac.in](http://www.kiot.ac.in)

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### ABOUT KIOT

Knowledge Institute of Technology is one of the upcoming Institutions in India. The college was established in the year 2009. Knowledge Institute of Technology is a branch of Eminent Professors from leading Engineering Colleges, Philanthropists, Friends and Entrepreneurs who would like to contribute in nation building by establishing higher learning Institutions. The cutting edge infrastructure, well experienced faculty and accomplished staff make KIOT as a Premier Centre for learning. The college offers 5 B.E. courses and 4 M.E. courses Accredited by NAAC. The vast experience of the promoters in training the students for all-round professionals and skill development ensures every student to transform into an evolved individual and a highly employable professional.

### ABOUT THE DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering branch of KIOT was started in the year 2010-11. The faculty members are well experienced and qualified in different specializations. In the enhancement of research forum, the department has established a "Centre for Sustainable Building Research" and initiated the LEED Lab (Leadership in Energy and Environmental Design) in association with United States Green Building Council (USGBC) and Centre of Excellence on "Remote Sensing & GIS" in association with SAKURA for carrying out research, teaching and consultation activities in various disciplines of Civil

Engineering. The vast experience of the promoters in training the students for all-round professionals and skill development ensures every student to transform into an evolved individual and a highly employable professional.

### SYLLABUS

- 1.Introduction to Staad Pro v8i**  
Introduction, STAAD plane (member incidence), STAAD space (joint coordinate method).
- 2. Objects**  
Translational repeat & circular repeat, copy, move, Beams & Structure wizard, Selection methods
- 3. Analysis of structural members**  
Analysis of beams, columns, truss, plates- Animation.
- 4. Design of structural members**  
Concrete design ,Design of beams & columns  
Steel design
- 5.Report Creation**  
Design of footing, column and slab, Printing option, report setup, export @ import options.

**For Registration Kindly Contact:**  
**Mr. Pradeep Kumar S, AP/Civil,**  
**M:-91978707797 ,**  
**Mail: spkivil@kiot.ac.in**



Introduction About Revit Architecture, History of Revit Architecture, Units, modeling process.

**2. Basics of creating and modifying objects**

Basics of creating and modifying objects- Creating geometry, Wall, Doors, Windows, Railing, Wall.

**3. Editing tools**

Editing tools- Move, Copy, Rotate, Array, Mirror, Align, Split, Trim, Offset.

**4. Modelling**

Floor, Roof, Component, Stairs, Railings, Ramp, Curtains

**5. Modelling**

System, Curtain, Grid, Mullion, Host Sweep, Create, Profile Creation Method- Overall review of basic concepts and topics discussed.

**6. Advanced Design parameters**

Introduction About advanced Revit Architecture - Massing - Basics (Drafting), View (schedule & quantities)

**7. 3D design of structures**

Room & areas, View (sheet, create a new sheet) Structural, Construction, Site (hand scope works), View (creating camera views)

**8. Creation of family**

Family - Creating doors, windows, furniture, profile, Rendering works (exterior @ interior), Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Import).

**For Registration Kindly Contact:**

**Mr. Pradeep Kumar S, AP/Civil,**

**M: +91978707797,**

**Mail: spkivil@kiot.ac.in Knowledge Institute of Technology, Salem Registration Form**

1. Name : .....

2. Age : ..... & Gender : .....

3. Dept: .....

4. Address for Communication : .....

8. Mobile Number : .....

9. E-mail : .....

The information provided herewith is true to the best of my knowledge. I abide by the rules and regulations governing the seminar programme.

Date :

Signature of Applicant

**Knowledge Institute of Technology**

NH-47 KIOT Campus, Kakapalayam ,

Salem - 637 504.

Address for Correspondence

**Dr.K. VISAGAVEL,**

HOD-Mech/Vice Principal

The Convener- AMESHEE 2019,

Department of Mechanical Engineering.

From

19/06/2017, Salem

S.Pradeep Kumar,  
Assistant Professor,  
Department of civil engineering,  
Knowledge Institute of Technology,  
Salem- 637 504.

To

The Principal,  
Knowledge Institute of Technology,  
Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

**Subject: Requisition for Conducting Certification Course-Reg.**

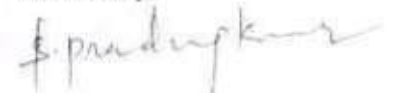
We have planned to conduct certification course on "Analysis of Structural members using Staad pro V8i". It will be helpful for our IV Year Civil Engineering students through which they can enrich their knowledge in Structural analysis and design for various buildings. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development and placement of our students.

The course details are as follows:

Description	Particulars
Year	IV (Civil Engineering Students)
Name of the Course	Analysis of Structural members using Staad pro V8i
Duration	05.07.2017 to 15.07.2017 ( 10 days )
Company/ Resource Person	Er. P.M.Muthukrishnan, Course Instructor, Cadd square, Salem
Total Number of Students Registered	45 Nos.

Thank you sir

Yours truly,



(S.Pradeep Kumar)



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**DEPARTMENT OF CIVIL ENGINEERING**

**REGISTERED STUDENTS FOR CERTIFICATION COURSE**


The following students have been registered for the various certification courses conducted by the department of civil engineering for the AY 2017-18

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
1	611214103001	AJITHKUMAR P	Analysis of Structural members using Staad pro vi8	05-07-2017	15-07-2017	40
2	611214103004	DHEEPAN V				
3	611214103007	EZHILARASI S				
4	611214103009	GOKULAKANNAN M				
5	611214103010	GOKULAKANNAN M				
6	611214103013	JEEVA S				
7	611214103014	KARTHICK T				
8	611214103016	KAVIPRITHA R				
9	611214103019	KOUSALYA S				
10	611214103021	KUMARAN A				
11	611214103023	MEGALA B				
12	611214103024	MOHAMED NADEEM S				
13	611214103026	MYTHELI J				
14	611214103027	NAVEEN KUMAR S				
15	611214103028	OBULI NARASIMMAN O				
16	611214103029	PAVITHRA M				
17	611214103030	PRAGATHEESH S				
18	611214103033	PREETHE M P				
19	611214103034	RAGUL U				
20	611214103035	RAGUNANTHAN K M				
21	611214103039	RAVI M				
22	611214103040	RAVIKUMAR S				
23	611214103041	SABARINATH M				



S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
24	611214103042	SAKTHEESHWARIT	Analysis of Structural members using Staad pro v18	05-07-2017	15-07-2017	40
25	611214103043	SANGAVI S				
26	611214103046	SASIDHAR S				
27	611214103047	SASIDHARAN S				
28	611214103048	SHALINI P				
29	611214103051	SUBASHINI S				
30	611214103052	SUJITHA P				
31	611214103053	SURIYAKALA R				
32	611214103055	SUVA SRI SE				
33	611214103056	THILAGARAJ S				
34	611214103057	UMAMAHESHWARI G				
35	611214103058	VASANTHA BHARATHI S				
36	611214103060	VIJAY PRASHANTH R				
37	611214103061	VISWANATHAN K				
38	611214103062	VISWAPRIYA S				
39	611214103302	GOWTHAMAN.J				
40	611214103303	HARIHARAN.V				
41	611214103304	JOSEPHINEPHILOMINA J				
42	611214103305	KAVIPRIYA.S				
43	611214103306	NAVEEN.V				
44	611214103307	SARAVANAN.J				
45	611214103309	THANGAVEL.K				

P.M.S.S.T.  
HOD/CIVIL

  
P.M. SRINIVASAN  
HOD/CIVIL  
Knowledge Institute of Technology  
Akadavaram (PO) Salem - 637 002

  
S.P.K.  
COURSE CO-ORDINATOR



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Department of Civil Engineering

**Course Plan**

Name of the Course	Analysis of structural members using Staad Pro vi8	Semester	07
Level-1 Module	05	Number of Hours	40 hours
<b>EXECUTION SCHEDULE</b>			
Module No.	Name of the Module LEVEL 1	No. of Hours	
1	Introduction, STAAD plane (member incidence)STAAD space (joint coordinate method)	16	
2	Translational repeat & circular repeat, copy, move, Beams & Structure wizard, Selection methods	16	
3	Analysis of beams, columns, truss, plates- Animation	16	
4	Concrete design ,Design of beams & columns Steel design	16	
5	Design of footing, column and slab, Printing option, report setup, export @ import options	16	



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Detailed Execution Plan

Name of the Course Module: 1. Introduction to Staad pro vi8

Duration: 08 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
1	Introduction, STAAD plane, (member incidence) STAAD space (joint coordinate method)	4	4	-	Day 1 and Day 2

Detailed Execution Plan

Name of the Course Module: 2. Selection of members

Duration: 08 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2	Translational repeat & circular repeat, copy, move, Beams & Structure wizard, Selection methods	4	4	-	Day 3 and Day 4

Detailed Execution Plan

Name of the Course Module: 3. Analysis

Duration: 08 hours

Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
3	Analysis of beams, columns, truss, plates- Animation	4	4	-	Day 5 And Day 6




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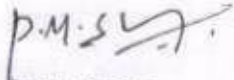


Detailed Execution Plan					
Name of the Course Module: 4. Design of Concrete and Steel					
Duration: 08					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4	Concrete design ,Design of beams & columns Steel design	4	4	-	Day 7 And Day 8

Detailed Execution Plan					
Name of the Course Module: 5. Printing of Data					
Duration: 08					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
5	Design of footing, column and slab, Printing option, report setup, export @ import options	4	4	-	Day 9 and Day 10

  
FACULTY I/c

  
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Knowledge Institute of Technology  
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HOD CIVIL

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DEPARTMENT OF CIVIL ENGINEERING**

Course on Analysis of Structural members using Staad pro v8i  
**ATTENDANCE REPORT**

S.No	Register No	Name of the student	05/07/17	06/07/17	07/07/17	08/07/17	09/07/17	10/07/17	11/07/17	12/07/17	13/07/17	14/07/17	15/07/17
1	611214103001	AJITHKUMAR P	/	/	/	/	/	/	/	/	/	/	/
2	611214103004	DHEEPAN V	/	/	/	/	/	/	/	/	/	/	/
3	611214103007	EZHILARASI S	/	/	/	/	/	/	/	/	/	/	/
4	611214103009	GOKULAKANNAN M	/	/	/	/	/	/	/	/	/	/	/
5	611214103010	GOKULAKANNAN M	/	/	/	/	/	/	/	/	/	/	/
6	611214103013	JEEVA S	/	/	/	/	/	/	/	/	/	/	/
7	611214103014	KARTHICK T	/	/	/	/	/	/	/	/	/	/	/
8	611214103016	KAVIPRITHA R	/	/	/	/	/	/	/	/	/	/	/
9	611214103019	KOUSALYA S	/	/	/	/	/	/	/	/	/	/	/
10	611214103021	KUMARAN A	/	/	/	/	/	/	/	/	/	/	/
11	611214103023	MEGALA B	/	/	/	/	/	/	/	/	/	/	/
12	611214103024	MOHAMED NADHEEM S	/	/	/	/	/	/	/	/	/	/	/
13	611214103026	MYTHELI J	/	/	/	/	/	/	/	/	/	/	/
14	611214103027	NAVEEN KUMAR S	/	/	/	/	/	/	/	/	/	/	/
15	611214103028	OBULI NARASIMMAN O	/	/	/	/	/	/	/	/	/	/	/
16	611214103029	PAVITHRA M	/	/	/	/	/	/	/	/	/	/	/
17	611214103030	PRAGATHEESH S	/	/	/	/	/	/	/	/	/	/	/
18	611214103033	PREETHE M P	/	/	/	/	/	/	/	/	/	/	/
19	611214103034	RAGEL U	/	/	/	/	/	/	/	/	/	/	/
20	611214103035	RAGUNANTHAN K M	/	/	/	/	/	/	/	/	/	/	/
21	611214103039	RAVI M	/	/	/	/	/	/	/	/	/	/	/
22	611214103040	RAVIKUMAR S	/	/	/	/	/	/	/	/	/	/	/
23	611214103041	SABARINATH M	/	/	/	/	/	/	/	/	/	/	/
24	611214103042	SAKTHEESHWARI T	/	/	/	/	/	/	/	/	/	/	/
25	611214103043	SANGA VI S	/	/	/	/	/	/	/	/	/	/	/
26	611214103046	SASIDHAR S	/	/	/	/	/	/	/	/	/	/	/
27	611214103047	SASIDHARAN S	/	/	/	/	/	/	/	/	/	/	/
28	611214103048	SHALINI P	/	/	/	/	/	/	/	/	/	/	/
29	611214103051	SUBASHINI S	/	/	/	/	/	/	/	/	/	/	/



S.No	Register No	Name of the student																			
30	611214103052	SUJITHA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
31	611214103053	SURIYAKALAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
32	611214103055	SUVA SRI S E	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
33	611214103056	THILAGARAJ S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
34	611214103057	UMAMAHESHWARJ G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
35	611214103058	VASANTHA BHARATHI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
36	611214103060	VIJAY PRASHANTH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
37	611214103061	VISWANATHAN K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
38	611214103062	VISWAPRIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
39	611214103302	GOWTHAMAN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
40	611214103303	HARIHARAN V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
41	611214103304	JOSEPHINE PHILOMINA J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
42	611214103305	KAVIPRIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
43	611214103306	NAVEEN V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
44	611214103307	SARAVANAN J	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
45	611214103309	THANGAVEL K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
NO OF STUDENTS PRESENT			44	43	45	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
NO OF STUDENTS ABSENT			01	02	—	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
COURSE CO-ORDINATOR SIGN			spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk	spk

P.M.S.V.

HOD/CIVIL

pm

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Knowledge Institute of Technology  
Kannalavayam (PO) Salem - 637 502

K. Thangavel  
IV-year Civil



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### Assessment for course on Analysis of structural members using Staad pro v8i

- In floor load, Y is the :
  - Affective height
  - Floor height
  - Building height
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- In Concentrated Load, P is :
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- For Plates, Which one of the following is true?
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  - Options B & C.
- B.E.A.V.A supports
  - UK BS 5400
  - IRC chapter 2
  - IS 456
  - All of the Above
- STAAD.Pro Perform Analysis is:
  - Taking into consideration the Displacement of Nodes
  - Taking into consideration the Stiffness Corection
  - Multi- Iteration Analysis
  - None of the Above
- Dead loads are self-weights of material, equipment, or components that are relatively constant throughout the structure's life. Marks 1
  - A) true
  - B) false
- In Meshing Parametric dialog box, by default, bias value is \_\_\_ and divi value is \_\_\_.
  - A) Bias is 1 Divi is 15
  - B) Bias is 1 Divi is 11
  - C) Bias is 2 Divi is 10
  - D) Bias is 1 Divi is 10

20  
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Pm

8. You can also edit the parameters in structure wizards models
- A) true  
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9. Which of the following sub-pages are in Foundation Plan Pages?
- A) Linear Grid Setting  
B) Radial Grid Setup  
 C) Column Positioning  
D) Column Dimension and width
10. How many types of meshing we have in STAAD.Pro?
- A) 1  
B) 2  
 C) 5  
D) 4
11. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?
- A) 1  
B) 3  
C) 6  
 D) 5
12. The \_\_\_\_\_ group allows you to change the display of load arrows.
- A) Modeling Scale  
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13. In track parameter, we have which of the following values?
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- A) 5  
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15. In concrete design parameter, by default, value for clt (Clear Cover top) is:
- A) 25mm  
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D) 20mm
16. The minimum and maximum limits of number of divisions of each side are 1 to 100.
- A) true



17. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X,Y,Z?
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- A) Is 1893-2003
  - B) Is 1893-2002
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  - D) Is 1892-2003
19. In how many ways can we assign support to Nodes?
- A) 1
  - B) 4
  - C) 2
  - D) 5
20. Pinned Support will have \_\_\_\_\_ reactions. Marks 1
- A) 2
  - B) 6
  - C) 4
  - D) 3

*Pm*

DR. N. LIPAL,  
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Akadaiyavam (PO) Salem - 637 504

S. VISWAPRIYA  
IV-YEAR-CIVIL



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20  
20

PK

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- A) 1
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  - C) 5
  - D) 4
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  - B) 3
  - C) 6
  - D) 5
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- A) 1
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  - D) 5
20. Pinned Support will have \_\_\_\_\_ reactions. Marks 1
- A) 2
  - B) 6
  - C) 4
  - D) 3



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Sujana. V.



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C)  Multi- Iteration Analysis  
D) None of the Above
6. Dead loads are self-weights of material, equipment, or components that are relatively constant throughout the structure's life. Marks 1  
A) true  
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A) Bias is 1 Divi is 15  
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18  
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PK

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  - D) 5
20. Pinned Support will have \_\_\_\_\_ reactions. Marks 1
- A) 2
  - B) 6
  - C) 4
  - D) 3



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5. Thilagaranj - IV-yr

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  - C) 4
  - D) 3



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*[Signature]*

*Pm*  
PK NULIPAL

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- A) 2
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  - D) 3

*Pm*

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This is to certify that Mr/Ms J. MYTHELI of  
IV year student in academic year 2017 - 18 has  
completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING  
STAD PRO V8i during the period from 05.01.17 to 15.07.17  
at Knowledge Institute of Technology, Salem.

P.M. Sathish  
COURSE  
INSTRUCTOR

P. M. S. Sathish  
HOD/CIVIL

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This is to certify that Mr/Ms V. RAGUL of

IV year student in academic year 2017-18 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING

STAAD PRO V8i during the period from 05.07.17 to 15.07.17

at Knowledge Institute of Technology, Salem.

P.M. K. S. S. S.  
COURSE  
INSTRUCTOR

P. H. S. S.  
HOD/CIVIL

P.M.

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This is to certify that Mr/Ms M.RAVI of  
IV year student in academic year 2017-18 has  
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STAAD PRO V&i during the period from 05.07.17 to 15.07.17  
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P.M. N. S. S. S.  
COURSE  
INSTRUCTOR

P. H. S. S.  
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IV year student in academic year 2017-18 has  
completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING  
STAAD PRO V8i during the period from 05.07.17 to 15.07.17  
at Knowledge Institute of Technology, Salem.

P.M. Nithishan  
COURSE  
INSTRUCTOR

P. H. S.  
HOD/CIVIL

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IV year student in academic year 2017-18 has  
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STAAD PRO V8i during the period from 05.07.17 to 15.07.17

at Knowledge Institute of Technology, Salem.

P.M. Pratheesh  
COURSE  
INSTRUCTOR

P.M.S  
HOD/CIVIL

P.M.  
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Akapatayam (PO), Salem - 637 512

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DEPARTMENT OF CIVIL ENGINEERING

FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: *S. Bangavi*

Year/Sem/Sec: *1/1/2*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material		✓		
3	Clarity of the content delivery	✓			
4	Hands on training experience			✓	
5	Overall experience about the Course	✓			

Suggestions if any:

*Need more time for practice.*

Student Sign:

*S. Bangavi*

*PM*

PRINCIPAL,  
Knowledge Institute of Technology,  
Savanaiyalam (PO), Salem - 637 502



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DEPARTMENT OF CIVIL ENGINEERING

FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: B. Megala

Year/Sem/Sec: IV/2

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material		✓		
3	Clarity of the content delivery	✓			
4	Hands on training experience	✓			
5	Overall experience about the Course		✓		

Suggestions if any:

More time for work

Student Sign:

B. Megala

Pm

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Knowledge Institute of Technology  
Kapalavam (PO) Salem - 637 504



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FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: P. Naveen Kumar

Year/Sem/Sec: 10/7

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material	✓			
3	Clarity of the content delivery	✓			
4	Hands on training experience			✓	
5	Overall experience about the Course			✓	

Suggestions if any:

good clarity content given.

Student Sign:

P. Naveen Kumar

Pm

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Kakalavam (PO) Salem - 637 50





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FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: *S. Shalini*

Year/Sem/Sec: *IV / VII*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	✓			
2	Course Material		✓		
3	Clarity of the content delivery	✓			
4	Hands on training experience			✓	
5	Overall experience about the Course	✓			

Suggestions if any:

*We need more practice*

*[Signature]*

Student Sign:

*[Signature]*

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FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: S. Viswapriya

Year/Sem/Sec: 2/2

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		✓		
2	Course Material		✓		
3	Clarity of the content delivery		✓		
4	Hands on training experience		✓		
5	Overall experience about the Course		✓		

Suggestions if any:

Course was very good and useful

Student Sign:

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Knowledge Institute of Technology  
Kodavam (PO) Salem - 637 504