

**ACADEMIC YEAR**  
**2016-2017**



*Original Knowledge*

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


**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-2) using CATIA software		
Resource Person details	Mr.J.Prakash Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students= 102
Date, Time and Venue	11.07.2016 – 23.07.2016 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 3 features of CATIA software. It contains CATIA 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). He shared his personal experiences and difficulties he faced in his Industrial Career.



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



From

Dr.H.Abdul Zubar,  
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

04.07.2016

Forwarded to the principal



Yours Faithfully



Dr.H.Abdul Zubar



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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504**


**CIRCULAR**


<b>Circular No.</b>		<b>Date</b>	<b>04.07.2016</b>
<b>To</b>	IV-Year students		
<b>Subject</b>	Solid Modeling (Level-2) using CATIA 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 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-2) using CATIA software	COE – CRCPDT, A-Block, KIOT. 11.07.2016 – 23.07.2016	Mr.J.Prakash AP Mechanical Engg. KIOT

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

  
Faculty I/c

  
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Vakpalavam (PO) Salem - 637 504

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

13.07.2015 to 25.07.2015



*Beyond Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.  
[www.kiot.ac.in](http://www.kiot.ac.in)

in association with



*PK NILPAL*

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

### About KIOT

Knowledge Institute of Technology (KIOT) is a brain-child of 22 eminent professors from leading engineering colleges and 20 first generation entrepreneurs with a vision to build our nation through quality education. KIOT was established in 2009 with noble vision and mission of Dr.PSS.Srinivasan, who is leading this institution. He has a total of 25 years experience in teaching and research, supervised 14 Ph.Ds, supervising 5 Ph.D. scholars, and published over 190 research articles in International and National forums. Vision of KIOT is to become one among the top 500 best universities in the world by 2035. KIOT has emerged as one among the best in class institutions in salem region and performing in all the domain such as Academics, Research, Consultancy works and Training and Placement within a short span of 7 years. As a proven record, in the year 2015-16, based on single window system by Anna University, KIOT counselling seats were filled in second position in salem district and one among top 5 in the region. In KIOT, More than 90% students placed in the last three years before leaving the campus. The institution has a team of 225 dedicated faculty members, 14 faculty with Ph.D., and 23 faculty pursuing their research. Knowledge Business School Salem (KBSS) is the sister institution situated in the same KIOT Campus.

### 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.

Department of Mechanical Engineering is one of the vibrant departments of KIOT, which offers B.E Mechanical Engineering and M.E Industrial Safety Engineering. The Department is rich in term of faculty members with an average teaching experience of 9 years and research exposure of 4 years. The Department has a team of 53 dedicated members of faculty, 6 with Ph.D and 6 pursuing their research. The Department has established industrial collaborative research centres with Harita Techserv Pvt., Ltd., Bahwan CyberTek Pvt., Ltd., Seven Standards Industrial Solution 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-Translate, Rotate, Mirror, 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

**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



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

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	B	611213114001	AJAY.S.P	IV/VII	
2	A	611213114002	AJITH R	IV/VII	
3	D	611213114004	AKIL.R	IV/VII	
4	B	611213114005	ANANTHA KUMAR.S	IV/VII	
5	A	611213114007	ARAVINTH.G	IV/VII	
6	C	611213114008	ARUNBALAAJI.S.V	IV/VII	
7	A	611213114011	ARVIND .M	IV/VII	
8	A	611213114012	ASHWIN SAMUEL.P	IV/VII	
9	A	611213114013	BABU .S	IV/VII	
10	C	611213114014	BALAJIARAVINDARAJA.V	IV/VII	
11	C	611213114015	BALAKRISHNAN R	IV/VII	
12	C	611213114017	BALAMURUGAN M	IV/VII	
13	A	611213114019	BALU VENKATESH. M	IV/VII	
14	D	611213114020	BARKISH BANU .M	IV/VII	
15	A	611213114021	BHARATH S	IV/VII	
16	A	611213114024	BOOPATHY.R	IV/VII	
17	A	611213114025	CHANDRASEKARAN. V	IV/VII	
18	D	611213114030	DHANAPALAN .M	IV/VII	
19	A	611213114033	ELANGGOVAN G M	IV/VII	
20	A	611213114037	GIRIVASAN M	IV/VII	
21	C	611213114038	GOKUL K S	IV/VII	
22	C	611213114039	GOKUL R	IV/VII	
23	A	611213114041	GOKUL KRISHNAN M	IV/VII	
24	A	611213114044	GOPINATH.J	IV/VII	
25	A	611213114045	GOPINATH K	IV/VII	
26	A	611213114047	GOVINDARAJ .P	IV/VII	
27	A	611213114048	GOWTHAM N	IV/VII	
28	D	611213114049	GOWTHAM RA	IV/VII	
29	A	611213114050	GOWTHAM .S	IV/VII	
30	B	611213114052	GOWTHAMA ARJUN.V.AR	IV/VII	
31	B	611213114053	GOWTHAMAN.R	IV/VII	
32	A	611213114055	HARIGARA SUDAN.V	IV/VII	
33	A	611213114056	HARIHARAKRISHNAN.S	IV/VII	
34	D	611213114058	HARI PRASATH.M	IV/VII	
35	C	611213114059	HARIRAMAN R	IV/VII	

36	C	611213114064	JAYACHANDRAN.R	IV/VII	
37	D	611213114065	JAYAPRASATH .S.R	IV/VII	
38	C	611213114066	JAYASRI MEENACHI V	IV/VII	
39	D	611213114067	JAYAVEL C	IV/VII	
40	A	611213114068	JEEVANANTH.M	IV/VII	
41	A	611213114069	JOHN WESLY.M	IV/VII	
42	D	611213114070	JOTHIKUMAR.A	IV/VII	
43	A	611213114074	KARTHE.R	IV/VII	
44	C	611213114076	KARTHICK RAJAN.N	IV/VII	
45	A	611213114077	KARTHIK D	IV/VII	
46	B	611213114078	KARTHIK.S	IV/VII	
47	A	611213114080	KARTHIKEYAN.M	IV/VII	
48	C	611213114081	KARTHIKRAJA.P	IV/VII	
49	D	611213114083	KAVINKUMAR.P	IV/VII	
50	A	611213114084	KAVINRAJ S R	IV/VII	
51	D	611213114085	KEERTHANA .R	IV/VII	
52	D	611213114087	KESHAV.S	IV/VII	
53	B	611213114088	KISHORE.K.V	IV/VII	
54	C	611213114089	KISHORE KUMAR M	IV/VII	
55	C	611213114090	KRISHNAKUMAR.K	IV/VII	
56	A	611213114092	KUGESHWARAN.T	IV/VII	
57	B	611213114094	LOGESH.E	IV/VII	
58	B	611213114096	MADHAVARAJ.S	IV/VII	
59	A	611213114097	MADHUSUDHANAN .N	IV/VII	
60	A	611213114098	MAGESWARAN.K	IV/VII	
61	B	611213114099	MAHESWARAN.M	IV/VII	
62	B	611213114102	MAMTHA SHREE.S	IV/VII	
63	B	611213114108	MANJULA DEVI.M.K	IV/VII	
64	A	611213114110	MANOJ.S	IV/VII	
65	B	611213114113	MITUN.M	IV/VII	
66	D	611213114118	MOHANRAJ.P	IV/VII	
67	B	611213114121	MOHANRAJA.E	IV/VII	
68	D	611213114129	NAVEENKUMAR. P	IV/VII	
69	C	611213114131	NAVEEN VEL M	IV/VII	
70	D	611213114135	POOJA SHREE .V	IV/VII	
71	C	611213114138	PRABHAKARAN.P	IV/VII	
72	B	611213114144	PRAKASH .S	IV/VII	
73	A	611213114153	PREM KUMAR .R	IV/VII	
74	B	611213114157	RAJ KUMAR.S	IV/VII	
75	B	611213114159	RAKULPRASATH.S	IV/VII	
76	B	611213114167	RANJITH.M	IV/VII	
77	B	611213114170	RANJITH KUMAR.M	IV/VII	
78	D	611213114173	RAVINDAR.K	IV/VII	

  
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79	B	611213114181	SANKARANARAYANAN.S	IV/VII	
80	B	611213114182	SANTHOSE KUMAR.D	IV/VII	
81	C	611213114184	SANTHOSH RAJ.R	IV/VII	
82	B	611213114186	SARANYA.M	IV/VII	
83	A	611213114197	SHARMA .P	IV/VII	
84	B	611213114202	SOUNDARRAJAN.S	IV/VII	
85	C	611213114214	TAMILMOZHIVARMAN R	IV/VII	
86	C	611213114215	TAMIL SELVAN.J	IV/VII	
87	C	611213114217	THAARUN.V.G	IV/VII	
88	B	611213114218	THAMARAI KANNAN.A	IV/VII	
89	C	611213114219	THAMARAISELVAM.K	IV/VII	
90	C	611213114235	VIKNESH.A.H	IV/VII	
91	C	611213114301	ARDHANARI M	IV/VII	
92	A	611213114302	ARUL R	IV/VII	
93	D	611213114311	JAYARAM L	IV/VII	
94	C	611213114312	JOSEPH MARTIN A	IV/VII	
95	B	611213114315	MANIKANDAN P	IV/VII	
96	B	611213114316	MANIKANDAN R	IV/VII	
97	B	611213114317	MANOJKUMAR S	IV/VII	
98	C	611213114320	NAVANEETHA KRISHNAN R	IV/VII	
99	B	611213114322	PRABHU J	IV/VII	
100	C	611213114333	VELU M	IV/VII	
101	C	611213114334	VENKATESAN P	IV/VII	
102	C	611213114335	VETRIVEL K	IV/VII	

  
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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE**  
**TRAINING ATTENDANCE SHEET (11.07.2016 to 23.07.2016)**

S.NO	SEC	REG. NO	NAME	YEAR	11.07.2016	12.07.2016	13.07.2016	14.07.2016	15.07.2016	18.07.2016
1	B	611213114001	AJAY.S.P	IV/VII	/	/	/	/	/	/
2	A	611213114002	AJITH R	IV/VII	/	/	/	/	/	/
3	D	611213114004	AKIL.R	IV/VII	/	/	/	/	/	/
4	B	611213114005	ANANTHA KUMAR.S	IV/VII	/	/	/	/	/	/
5	A	611213114007	ARAVINTH.G	IV/VII	/	/	/	/	/	/
6	C	611213114008	ARUNBALAAJLS.V	IV/VII	/	/	/	/	/	/
7	A	611213114011	ARVIND .M	IV/VII	/	/	/	/	/	/
8	A	611213114012	ASHWIN SAMUEL.P	IV/VII	/	/	/	/	/	/
9	A	611213114013	BABU .S	IV/VII	/	/	/	/	/	/
10	C	611213114014	BALAJIARAVINDARAJA.V	IV/VII	/	/	/	/	/	/
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15	A	611213114021	BHARATH S	IV/VII	/	/	a	/	/	/
16	A	611213114024	BOOPATHY.R	IV/VII	/	/	/	/	/	/
17	A	611213114025	CHANDRASEKARAN. V	IV/VII	/	/	/	/	/	/
18	D	611213114030	DHANAPALAN .M	IV/VII	/	/	/	/	/	/
19	A	611213114033	ELANGGOVAN G M	IV/VII	/	/	/	/	/	/
20	A	611213114037	GIRIVASAN M	IV/VII	/	/	/	/	/	/
21	C	611213114038	GOKUL K S	IV/VII	/	/	/	/	/	/
22	C	611213114039	GOKUL R	IV/VII	/	/	/	a	/	/
23	A	611213114041	GOKUL KRISHNAN M	IV/VII	/	/	/	/	/	/
24	A	611213114044	GOPINATH.J	IV/VII	/	/	/	/	/	/
25	A	611213114045	GOPINATH K	IV/VII	/	/	/	/	/	/
26	A	611213114047	GOVINDARAJ .P	IV/VII	/	/	/	/	/	/
27	A	611213114048	GOWTHAM N	IV/VII	/	/	/	/	/	/
28	D	611213114049	GOWTHAM RA	IV/VII	/	/	/	/	/	/
29	A	611213114050	GOWTHAM .S	IV/VII	/	/	/	/	a	/
30	B	611213114052	GOWTHAMA ARJUN.V.AR	IV/VII	/	/	/	/	/	/
31	B	611213114053	GOWTHAMAN.R	IV/VII	/	/	/	/	/	/
32	A	611213114055	HARIGARA SUDAN.V	IV/VII	/	/	/	/	/	/
33	A	611213114056	HARIHARAKRISHNAN.S	IV/VII	/	/	/	/	/	/
34	D	611213114058	HARI PRASATH.M	IV/VII	/	/	/	/	/	a
35	C	611213114059	HARIRAMAN R	IV/VII	/	/	/	/	/	/
36	C	611213114064	JAYACHANDRAN.R	IV/VII	/	/	/	/	/	/
37	D	611213114065	JAYAPRASATH .S.R	IV/VII	/	/	/	/	/	/
38	C	611213114066	JAYASRI MEENACHI V	IV/VII	/	/	/	/	/	/
39	D	611213114067	JAYAVEL C	IV/VII	/	/	/	/	/	/
40	A	611213114068	JEEVANANTH.M	IV/VII	/	/	/	/	/	/
41	A	611213114069	JOHN WESLY.M	IV/VII	/	/	/	/	/	/
42	D	611213114070	JOTHIKUMAR.A	IV/VII	/	/	/	/	/	/
43	A	611213114074	KARTHE.R	IV/VII	/	/	/	/	/	/
44	C	611213114076	KARTHICK RAJAN.N	IV/VII	/	/	/	/	/	/
45	A	611213114077	KARTHIK D	IV/VII	/	/	/	/	/	/

PRINCIPAL,



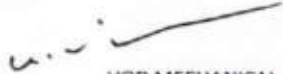
46	B	611213114078	KARTHIK.S	IV/VII	/	/	/	/	/	/
47	A	611213114080	KARTHIKEYAN.M	IV/VII	/	/	/	/	/	/
48	C	611213114081	KARTHIKRAJA.P	IV/VII	/	/	/	/	/	/
49	D	611213114083	KAVINKUMAR.P	IV/VII	/	/	/	/	/	/
50	A	611213114084	KAVINRAJ S R	IV/VII	/	/	/	/	/	/
51	D	611213114085	KEERTHANA .R	IV/VII	/	/	/	/	/	/
52	D	611213114087	KESHAV.S	IV/VII	/	/	/	/	/	/
53	B	611213114088	KISHORE.K.V	IV/VII	/	/	/	/	/	/
54	C	611213114089	KISHORE KUMAR M	IV/VII	/	/	/	/	/	/
55	C	611213114090	KRISHNAKUMAR.K	IV/VII	/	/	/	/	/	/
56	A	611213114092	KUGESHWARAN.T	IV/VII	/	/	/	/	/	/
57	B	611213114094	LOGESHE	IV/VII	/	/	/	/	/	/
58	B	611213114096	MADHAVARAJ.S	IV/VII	/	/	/	/	/	/
59	A	611213114097	MADHUSUDHANAN .N	IV/VII	/	/	/	/	/	/
60	A	611213114098	MAGESWARAN.K	IV/VII	/	/	/	/	/	/
61	B	611213114099	MAHESWARAN.M	IV/VII	/	/	/	/	/	/
62	B	611213114102	MAMTHA SHREE.S	IV/VII	/	/	/	/	/	/
63	B	611213114108	MANJULA DEVI.M.K	IV/VII	/	/	/	/	/	/
64	A	611213114110	MANOJ.S	IV/VII	/	/	/	/	/	/
65	B	611213114113	MITUN.M	IV/VII	/	/	/	/	/	/
66	D	611213114118	MOHANRAJ.P	IV/VII	/	/	/	/	/	/
67	B	611213114121	MOHANRAJA.E	IV/VII	/	/	/	/	/	/
68	D	611213114129	NAVEENKUMAR. P	IV/VII	/	/	/	/	/	/
69	C	611213114131	NAVEEN VEL M	IV/VII	/	/	/	/	/	/
70	D	611213114135	POOJA SHREE .V	IV/VII	/	/	/	/	/	/
71	C	611213114138	PRABHAKARAN.P	IV/VII	/	/	/	/	/	/
72	B	611213114144	PRAKASH .S	IV/VII	/	/	/	/	/	/
73	A	611213114153	PREM KUMAR .R	IV/VII	/	/	/	/	/	/
74	B	611213114157	RAJ KUMAR.S	IV/VII	/	/	/	/	/	/
75	B	611213114159	RAKULPRASATH.S	IV/VII	/	/	/	/	/	/
76	B	611213114167	RANJITH.M	IV/VII	/	/	/	/	/	/
77	B	611213114170	RANJITH KUMAR.M	IV/VII	/	/	/	/	/	/
78	D	611213114173	RAVINDAR.K	IV/VII	/	/	/	/	/	/
79	B	611213114181	SANKARANARAYANAN.S	IV/VII	/	/	/	/	/	/
80	B	611213114182	SANTHOSE KUMAR.D	IV/VII	/	/	/	/	/	/
81	C	611213114184	SANTHOSH RAJ.R	IV/VII	/	/	/	/	/	/
82	B	611213114186	SARANYA.M	IV/VII	/	aa	/	/	/	/
83	A	611213114197	SHARMA .P	IV/VII	/	/	/	/	/	/
84	B	611213114202	SOUNDARRAJAN.S	IV/VII	/	/	/	/	/	/
85	C	611213114214	TAMILMOZHIVARMAN R	IV/VII	/	/	/	/	/	/
86	C	611213114215	TAMIL SELVAN.J	IV/VII	/	/	/	/	/	/
87	C	611213114217	THAARUN.V.G	IV/VII	/	/	/	/	/	/
88	B	611213114218	THAMARAI KANNAN.A	IV/VII	/	/	/	/	/	/
89	C	611213114219	THAMARAI SELVAM.K	IV/VII	/	/	/	/	/	/
90	C	611213114235	VIKNESH.A.H	IV/VII	/	/	/	/	/	/
91	C	611213114301	ARDHANARI M	IV/VII	/	/	/	/	/	/
92	A	611213114302	ARUL R	IV/VII	/	/	/	/	/	/
93	D	611213114311	JAYARAM L	IV/VII	/	/	/	/	/	/
94	C	611213114312	JOSEPH MARTIN A	IV/VII	/	/	/	/	/	/
95	B	611213114315	MANIKANDAN P	IV/VII	/	/	/	/	/	/
96	B	611213114316	MANIKANDAN R	IV/VII	/	/	/	/	/	/
97	B	611213114317	MANOJKUMAR S	IV/VII	/	/	/	/	/	/
98	C	611213114320	NAVANEETHA KRISHNAN R	IV/VII	/	/	/	/	/	/
99	B	611213114322	PRABHU J	IV/VII	/	/	/	/	/	/

PR N LIPAL,



100	C	611213114333	VELU M	IV/VII	/	/	/	/	/	/
101	C	611213114334	VENKATESAN P	IV/VII	/	/	/	/	/	/
102	C	611213114335	VETRIVEL K	IV/VII	/	/	/	/	/	/
No. of Students Present					101	101	100	101	101	101
No. of Students Absent					01	01	02	01	01	01
Faculty Signature										

J. Pragna  
18/7/16  
FACULTY INCHARGE

  
HOD MECHANICAL

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504  
DEPARTMENT OF MECHANICAL ENGINEERING  
HARITA TECH SERV-CERTIFICATE COURSE  
SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE  
TRAINING ATTENDANCE SHEET (11.07.2016 to 23.07.2016)

S.NO	SEC	REG. NO	NAME	YEAR	19.07.2016	20.07.2016	21.07.2016	22.07.2016	23.07.2016
1	B	611213114001	AJAY.S.P	IV/VII	/	/	/	/	/
2	A	611213114002	AJITH R	IV/VII	/	/	/	/	/
3	D	611213114004	AKIL.R	IV/VII	/	/	/	/	/
4	B	611213114005	ANANTHA KUMAR.S	IV/VII	/	/	/	/	/
5	A	611213114007	ARAVINTH.G	IV/VII	/	a	/	/	/
6	C	611213114008	ARUNBALAAJ.S.V	IV/VII	/	/	/	/	/
7	A	611213114011	ARVIND .M	IV/VII	/	/	/	/	/
8	A	611213114012	ASHWIN SAMUEL.P	IV/VII	/	/	/	/	/
9	A	611213114013	BABU .S	IV/VII	/	/	/	/	/
10	C	611213114014	BALAJIARAVINDARAJA.V	IV/VII	/	/	/	/	/
11	C	611213114015	BALAKRISHNAN R	IV/VII	/	/	/	/	/
12	C	611213114017	BALAMURUGAN M	IV/VII	/	/	/	/	/
13	A	611213114019	BALU VENKATESH. M	IV/VII	/	/	/	/	/
14	D	611213114020	BARKISH BANU .M	IV/VII	/	a	/	/	/
15	A	611213114021	BHARATH S	IV/VII	/	/	/	/	/
16	A	611213114024	BOOPATHY.R	IV/VII	/	/	/	/	/
17	A	611213114025	CHANDRASEKARAN. V	IV/VII	/	/	/	/	/
18	D	611213114030	DHANAPALAN .M	IV/VII	/	/	/	/	/
19	A	611213114033	ELANGGOVAN G M	IV/VII	/	/	/	/	/
20	A	611213114037	GIRIVASAN M	IV/VII	/	/	/	/	/
21	C	611213114038	GOKUL K S	IV/VII	/	/	/	/	/
22	C	611213114039	GOKUL R	IV/VII	/	/	/	/	/
23	A	611213114041	GOKUL KRISHNAN M	IV/VII	/	/	a	/	/
24	A	611213114044	GOPINATH.J	IV/VII	/	/	/	/	/
25	A	611213114045	GOPINATH K	IV/VII	/	/	/	/	/
26	A	611213114047	GOVINDARAJ .P	IV/VII	/	/	/	/	/
27	A	611213114048	GOWTHAM N	IV/VII	/	/	/	/	/
28	D	611213114049	GOWTHAM RA	IV/VII	/	/	/	/	/
29	A	611213114050	GOWTHAM .S	IV/VII	/	/	/	/	/
30	B	611213114052	GOWTHAMA ARJUN.V.AR	IV/VII	/	/	a	/	/
31	B	611213114053	GOWTHAMAN.R	IV/VII	/	/	/	/	/
32	A	611213114055	HARIGARA SUDAN.V	IV/VII	/	/	/	/	/
33	A	611213114056	HARIHARAKRISHNAN.S	IV/VII	/	/	/	/	/
34	D	611213114058	HARI PRASATH.M	IV/VII	/	/	/	/	/
35	C	611213114059	HARIRAMAN R	IV/VII	/	/	/	/	/
36	C	611213114064	JAYACHANDRAN.R	IV/VII	/	/	/	a	/
37	D	611213114065	JAYAPRASATH .S.R	IV/VII	/	/	/	a	/
38	C	611213114066	JAYASRI MEENACHI V	IV/VII	/	/	/	/	/
39	D	611213114067	JAYAVEL C	IV/VII	/	/	/	/	/
40	A	611213114068	JEEVANANTH.M	IV/VII	/	/	/	/	/
41	A	611213114069	JOHN WESLY.M	IV/VII	/	/	/	/	/
42	D	611213114070	JOTHIKUMAR.A	IV/VII	/	/	/	/	/
43	A	611213114074	KARTHE.R	IV/VII	/	/	/	/	/


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44	C	611213114076	KARTHICK RAJAN.N	IV/VII	/	/	/	/	/
45	A	611213114077	KARTHIK D	IV/VII	/	/	/	/	/
46	B	611213114078	KARTHIK.S	IV/VII	/	/	/	/	/
47	A	611213114080	KARTHIKEYAN.M	IV/VII	/	/	/	/	/
48	C	611213114081	KARTHIKRAJA.P	IV/VII	/	/	/	/	/
49	D	611213114083	KAVINKUMAR.P	IV/VII	/	/	/	/	/
50	A	611213114084	KAVINRAJ S R	IV/VII	/	/	/	/	/
51	D	611213114085	KEERTHANA .R	IV/VII	/	/	/	/	/
52	D	611213114087	KESHAV.S	IV/VII	/	/	/	/	/
53	B	611213114088	KISHORE.K.V	IV/VII	/	/	/	/	/
54	C	611213114089	KISHORE KUMAR M	IV/VII	/	/	/	/	/
55	C	611213114090	KRISHNAKUMAR.K	IV/VII	/	/	/	/	/
56	A	611213114092	KUGESHWARAN.T	IV/VII	/	/	/	/	/
57	B	611213114094	LOGESH.E	IV/VII	/	/	/	/	/
58	B	611213114096	MADHAVARAJ.S	IV/VII	/	/	/	/	/
59	A	611213114097	MADHUSUDHANAN .N	IV/VII	/	/	/	/	/
60	A	611213114098	MAGESWARAN.K	IV/VII	/	/	/	/	/
61	B	611213114099	MAHESWARAN.M	IV/VII	/	/	/	/	/
62	B	611213114102	MAMTHA SHREE.S	IV/VII	/	/	/	/	/
63	B	611213114108	MANJULA DEVI.M.K	IV/VII	/	/	/	/	/
64	A	611213114110	MANOJ.S	IV/VII	/	/	/	/	/
65	B	611213114113	MITUN.M	IV/VII	/	/	/	/	/
66	D	611213114118	MOHANRAJ.P	IV/VII	/	/	/	/	/
67	B	611213114121	MOHANRAJA.E	IV/VII	/	/	/	/	/
68	D	611213114129	NAVEENKUMAR. P	IV/VII	/	/	/	/	/
69	C	611213114131	NAVEEN VEL M	IV/VII	/	/	/	/	/
70	D	611213114135	POOJA SHREE .V	IV/VII	/	/	/	/	/
71	C	611213114138	PRABHAKARAN.P	IV/VII	/	/	/	/	/
72	B	611213114144	PRAKASH .S	IV/VII	/	/	/	/	/
73	A	611213114153	PREM KUMAR .R	IV/VII	/	/	/	/	/
74	B	611213114157	RAJ KUMAR.S	IV/VII	/	/	/	/	/
75	B	611213114159	RAKULPRASATH.S	IV/VII	/	/	/	/	/
76	B	611213114167	RANJITH.M	IV/VII	/	/	/	/	/
77	B	611213114170	RANJITH KUMAR.M	IV/VII	/	a	/	/	/
78	D	611213114173	RAVINDAR.K	IV/VII	/	a	/	/	/
79	B	611213114181	SANKARANARAYANAN.S	IV/VII	/	/	/	/	/
80	B	611213114182	SANTHOSE KUMAR.D	IV/VII	/	/	/	/	/
81	C	611213114184	SANTHOSH RAJ.R	IV/VII	/	/	/	/	/
82	B	611213114186	SARANYA.M	IV/VII	/	/	/	/	/
83	A	611213114197	SHARMA .P	IV/VII	/	/	/	/	/
84	B	611213114202	SOUNDARRAJAN.S	IV/VII	/	/	/	/	/
85	C	611213114214	TAMILMOZHIVARMAN R	IV/VII	/	/	/	/	/
86	C	611213114215	TAMIL SELVAN.J	IV/VII	/	/	/	/	/
87	C	611213114217	THAARUN.V.G	IV/VII	/	/	/	/	/
88	B	611213114218	THAMARAI KANNAN.A	IV/VII	/	/	/	/	/
89	C	611213114219	THAMARAISELVAM.K	IV/VII	/	/	/	/	/
90	C	611213114235	VIKNESH.A.H	IV/VII	/	/	/	/	/
91	C	611213114301	ARDHANARI M	IV/VII	/	/	/	/	/
92	A	611213114302	ARUL R	IV/VII	/	/	/	/	/
93	D	611213114311	JAYARAM L	IV/VII	/	/	/	/	/
94	C	611213114312	JOSEPH MARTIN A	IV/VII	/	/	/	/	/
95	B	611213114315	MANIKANDAN P	IV/VII	/	/	/	/	/

96	B	611213114316	MANIKANDAN R	IV/VII	/	/	/	/	/
97	B	611213114317	MANOJKUMAR S	IV/VII	/	/	/	/	/
98	C	611213114320	NAVANEETHA KRISHNAN R	IV/VII	/	/	/	/	/
99	B	611213114322	PRABHU J	IV/VII	/	/	/	/	/
100	C	611213114333	VELU M	IV/VII	/	/	/	/	/
101	C	611213114334	VENKATESAN P	IV/VII	/	/	/	/	/
102	C	611213114335	VETRIVEL K	IV/VII	/	/	/	/	/
No. of Students Present					102	99	99	100	102
No. of Students Absent					-	03	03	02	-
Faculty Signature									

J. Prasad  
23/7/16  
FACULTY INCHARGE

  
HOD MECHANICAL

  
PR NIPAL,  
Knowledge Institute of Technology  
Chakrapalayam (PO) Salem - 837 504



















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

23.7.2016

S.NO	SEC	REG. NO	NAME	YEAR	Marks (100)
1	B	611213114001	AJAY.S.P	IV/VII	75
2	A	611213114002	AJITH R	IV/VII	60
3	D	611213114004	AKIL.R	IV/VII	80
4	B	611213114005	ANANTHA KUMAR.S	IV/VII	85
5	A	611213114007	ARAVINTH.G	IV/VII	95
6	C	611213114008	ARUNBALAAJLS.V	IV/VII	65
7	A	611213114011	ARVIND .M	IV/VII	70
8	A	611213114012	ASHWIN SAMUEL.P	IV/VII	85
9	A	611213114013	BABU .S	IV/VII	90
10	C	611213114014	BALAJIARAVINDARAJA.V	IV/VII	95
11	C	611213114015	BALAKRISHNAN R	IV/VII	60
12	C	611213114017	BALAMURUGAN M	IV/VII	75
13	A	611213114019	BALU VENKATESH. M	IV/VII	70
14	D	611213114020	BARKISH BANU .M	IV/VII	85
15	A	611213114021	BHARATH S	IV/VII	60
16	A	611213114024	BOOPATHY.R	IV/VII	75
17	A	611213114025	CHANDRASEKARAN. V	IV/VII	90
18	D	611213114030	DHANAPALAN .M	IV/VII	95
19	A	611213114033	ELANGGOVAN G M	IV/VII	60
20	A	611213114037	GIRIVASAN M	IV/VII	65
21	C	611213114038	GOKUL K S	IV/VII	75
22	C	611213114039	GOKUL R	IV/VII	65
23	A	611213114041	GOKUL KRISHNAN M	IV/VII	60
24	A	611213114044	GOPINATH.J	IV/VII	60
25	A	611213114045	GOPINATH K	IV/VII	70
26	A	611213114047	GOVINDARAJ .P	IV/VII	75
27	A	611213114048	GOWTHAM N	IV/VII	85
28	D	611213114049	GOWTHAM RA	IV/VII	80
29	A	611213114050	GOWTHAM .S	IV/VII	95
30	B	611213114052	GOWTHAMA ARJUN.V.AR	IV/VII	90
31	B	611213114053	GOWTHAMAN.R	IV/VII	85
32	A	611213114055	HARIGARA SUDAN.V	IV/VII	75
33	A	611213114056	HARIHARAKRISHNAN.S	IV/VII	70
34	D	611213114058	HARI PRASATH.M	IV/VII	70
35	C	611213114059	HARIRAMAN R	IV/VII	65



36	C	611213114064	JAYACHANDRAN.R	IV/VII	55
37	D	611213114065	JAYAPRASATH .S.R	IV/VII	60
38	C	611213114066	JAYASRI MEENACHI V	IV/VII	75
39	D	611213114067	JAYAVEL C	IV/VII	70
40	A	611213114068	JEEVANANTH.M	IV/VII	65
41	A	611213114069	JOHN WESLY.M	IV/VII	75
42	D	611213114070	JOTHIKUMAR.A	IV/VII	80
43	A	611213114074	KARTHE.R	IV/VII	55
44	C	611213114076	KARTHICK RAJAN.N	IV/VII	65
45	A	611213114077	KARTHIK D	IV/VII	70
46	B	611213114078	KARTHIK.S	IV/VII	70
47	A	611213114080	KARTHIKEYAN.M	IV/VII	55
48	C	611213114081	KARTHIKRAJA.P	IV/VII	60
49	D	611213114083	KAVINKUMAR.P	IV/VII	75
50	A	611213114084	KAVINRAJ S R	IV/VII	95
51	D	611213114085	KEERTHANA .R	IV/VII	75
52	D	611213114087	KESHAV.S	IV/VII	80
53	B	611213114088	KISHORE.K.V	IV/VII	85
54	C	611213114089	KISHORE KUMAR M	IV/VII	90
55	C	611213114090	KRISHNAKUMAR.K	IV/VII	90
56	A	611213114092	KUGESHWARAN.T	IV/VII	90
57	B	611213114094	LOGESH.E	IV/VII	95
58	B	611213114096	MADHAVARAJ.S	IV/VII	60
59	A	611213114097	MADHUSUDHANAN .N	IV/VII	55
60	A	611213114098	MAGESWARAN.K	IV/VII	85
61	B	611213114099	MAHESWARAN.M	IV/VII	70
62	B	611213114102	MAMTHA SHREE.S	IV/VII	60
63	B	611213114108	MANJULA DEVI.M.K	IV/VII	65
64	A	611213114110	MANOJ.S	IV/VII	50
65	B	611213114113	MITUN.M	IV/VII	55
66	D	611213114118	MOHANRAJ.P	IV/VII	60
67	B	611213114121	MOHANRAJA.E	IV/VII	75
68	D	611213114129	NAVEENKUMAR. P	IV/VII	80
69	C	611213114131	NAVEEN VEL M	IV/VII	60
70	D	611213114135	POOJA SHREE .V	IV/VII	65
71	C	611213114138	PRABHAKARAN.P	IV/VII	85
72	B	611213114144	PRAKASH .S	IV/VII	90
73	A	611213114153	PREM KUMAR .R	IV/VII	70
74	B	611213114157	RAJ KUMAR.S	IV/VII	65
75	B	611213114159	RAKULPRASATH.S	IV/VII	55
76	B	611213114167	RANJITH.M	IV/VII	60
77	B	611213114170	RANJITH KUMAR.M	IV/VII	70
78	D	611213114173	RAVINDAR.K	IV/VII	95

23.07.2016

79	B	611213114181	SANKARANARAYANAN.S	IV/VII	55
80	B	611213114182	SANTHOSE KUMAR.D	IV/VII	50
81	C	611213114184	SANTHOSH RAJ.R	IV/VII	60
82	B	611213114186	SARANYA.M	IV/VII	70
83	A	611213114197	SHARMA .P	IV/VII	75
84	B	611213114202	SOUNDARRAJAN.S	IV/VII	55
85	C	611213114214	TAMILMOZHIVARMAN R	IV/VII	60
86	C	611213114215	TAMIL SELVAN.J	IV/VII	65
87	C	611213114217	THAARUN.V.G	IV/VII	70
88	B	611213114218	THAMARAI KANNAN.A	IV/VII	80
89	C	611213114219	THAMARAISELVAM.K	IV/VII	85
90	C	611213114235	VIKNESH.A.H	IV/VII	75
91	C	611213114301	ARDHANARI M	IV/VII	80
92	A	611213114302	ARUL R	IV/VII	70
93	D	611213114311	JAYARAM L	IV/VII	65
94	C	611213114312	JOSEPH MARTIN A	IV/VII	60
95	B	611213114315	MANIKANDAN P	IV/VII	85
96	B	611213114316	MANIKANDAN R	IV/VII	70
97	B	611213114317	MANOJKUMAR S	IV/VII	75
98	C	611213114320	NAVANEETHA KRISHNAN R	IV/VII	80
99	B	611213114322	PRABHU J	IV/VII	90
100	C	611213114333	VELU M	IV/VII	85
101	C	611213114334	VENKATESAN P	IV/VII	65
102	C	611213114335	VETRIVEL K	IV/VII	70

*J. Prasad*  
FACULTY INCHARGE

*[Signature]*  
HOD

*[Signature]*  
PR. N. LIPAL,  
Knowledge Institute of Technology  
Pakhalavaram (PO) Setem - 637 504





**KNOWLEDGE INSTITUTE OF  
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LIMITED**



## ***Certificate of Completion***

This certificate is awarded to  
**ANANTHAKUMAR.S (611213114005)**

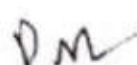
In recognition of successful completion of

**“SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2016 to 23.07.2016  
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

  
P. M. N. L. P.  
Knowledge Institute of Technology  
K. K. Palayam (PO) Salem - 637 504



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## ***Certificate of Completion***


This certificate is awarded to

**AJITH.R (611213114002)**

In recognition of successful completion of

**“SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2016 to 23.07.2016  
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

  
PK NILPAL,  
Knowledge Institute of Technology  
Akopalayam (PO) Salem - 637 504





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## ***Certificate of Completion***

This certificate is awarded to  
**GOWTHAM.RA (611213114049)**

In recognition of successful completion of

**“SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2016 to 23.07.2016  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

*pm*  
PH NCIPAL,  
Knowledge Institute of Technology  
Kakabalavam (PO) Salem - 637 504

*kat*  
**Mr.M.Sathyanathan**  
Coordinator

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

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

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



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## ***Certificate of Completion***

This certificate is awarded to  
**GOKUL.K.S (611212114038)**

In recognition of successful completion of

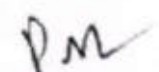
**“SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2016 to 23.07.2016  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
PR NALPAL,  
Knowledge Institute of Technology  
Talakapalavam (PO) Salem - 637 504

  
**Mr.M.Sathyanathan**  
Coordinator

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

  
**Dr.PSS.Srinivasan**  
Principal

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





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA software

Name: Babu.S

Year/Sem/Sec: IV / VI / A

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Drafting and Detailing			✓		
3	Generative Sheet metal design	✓				
4	Generative shape design		✓			
5	Course content and Hands on Experience of CATIA		✓			
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

Need more classes.

Need more experienced teaching

Signature of the Candidate



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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA software

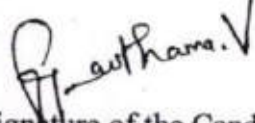
Name: Gowthama Arjun. V. A. R

Year/Sem/Sec: VI / VII / B

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Drafting and Detailing		✓			
3	Generative Sheet metal design		✓			
4	Generative shape design			✓		
5	Course content and Hands on Experience of CATIA		✓			
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

Need more indepth teaching  
Need more explanation about tools.

  
Signature of the Candidate





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA software

Name: Hariprasanth. M

Year/Sem/Sec: IV / VII / D

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA		✓			
2	Drafting and Detailing		✓			
3	Generative Sheet metal design	✓				
4	Generative shape design		✓			
5	Course content and Hands on Experience of CATIA			✓		
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

- \* Need software explanation briefly
- \* Need System for per Separately.

PRANLIPAL,

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

Signature of the Candidate



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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA software

Name:

Year/Sem/Sec: IV / VII / A.


Jeevananth M.

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA		/			
2	Drafting and Detailing		/			
3	Generative Sheet metal design			/		
4	Generative shape design			/		
5	Course content and Hands on Experience of CATIA			/		
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

Need more training and evening classes for this.

  
OR NLIPAL,  
Knowledge Institute of Technology  
K. S. Kalayam (PO) Salem - 637 504

  
Signature of the Candidate





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-2) using CATIA software

Name: Jayachandran. R

Year/Sem/Sec: IV / VII / C

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Drafting and Detailing		✓			
3	Generative Sheet metal design			✓		
4	Generative shape design		✓			
5	Course content and Hands on Experience of CATIA	✓				
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

\* Application oriented Coaching is needed

*Pm*

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

*Jayachandran. R.*

Signature of the Candidate



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-

637504

## DEPARTMENT OF MECHANICAL ENGINEERING


### REPORT OF THE EVENT

<b>Date</b>	:	11.07.2016 to 27.07.2016 & 06.02.2017 to 23.02.2017	<b>Resource person</b>	:	Mr.J.Ramesh, Mr.S.M.Gowtham & T.Balakrishanan Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time &amp; Duration</b>	:	05.00 pm to 07.00 pm & 60 Hours	<b>Title</b>	:	<b>Ducting Design for all air HVAC system &amp; Cost Estimation for a Specific Project</b>
<b>Venue</b>	:	A310, A312 & A313-KIOT	<b>No. of Participants</b>	:	90

1. The resource persons are explained about Air terminal selection, Cold storage selection, Selection of Materials of Ducts, Primary and secondary pump selections Duct material selection
2. Also they explained about Selection of cooling tower Selection of Chillers, AHU and FCU classification and selection.



Encl: Circular / Brochure / Attendance Sheet

  
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Knowledge Institute of Technology  
Agnalavam (PO) Salem.





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SALEM-637 504



International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

Circular No. KIOT/MECH/IAPMO/2016-17/01 Date 08.07.2016

To All Faculty & Final year students of Mechanical Engineering

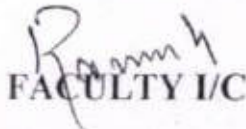
Sub **Ducting Design for all air HVAC system**  
(IAPMO – Certification Course: Batch-I, II & III)

We have planned to conduct, HVAC training on **Ducting Design for all air HVAC system** from 11.07.2016 for final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017).

Venue: A310, A312 & A313


Time: 05:00 pm to 07:00 pm

Encl: Name list of shortlisted students.

  
FACULTY I/C

  
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Sakapalavam (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/2016-17/05	Date	04.02.2017
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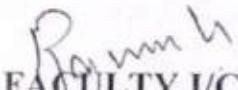
To	All Faculty & third year students of Mechanical Engineering
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Sub	<b>Components sizing and selection for chilled water type HVAC system</b> ( IAPMO – Certification Course: Batch-I, II & III )
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We have planned to conduct, HVAC training on **Components sizing and selection for chilled water type HVAC system** from 06.02.2017 for final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017).


Venue: A310, A312 & A313

Time: 05:00 pm to 07:00 pm

  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

  
PRINCIPAL,  
Knowledge Institute of Technology  
Salem (TN) Salem



From

J.Ramesh,  
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: Ducting Design for all air HVAC system conduction--regarding**

We are planned to conduct, HVAC training on **Ducting Design for all air HVAC system** from 11.07.2016 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Students name list for the course

Thanking You

Place: KIOT

Date: 08.07.2016

Yours Faithfully

*J.Ramesh*

J.Ramesh AP/Mech

*Forwarded to the principal*

*\_\_\_\_\_*

*pm*  
PRINCIPAL,  
Knowledge Institute of Technology,  
Salem

From

J.Ramesh,  
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: Cost Estimation for a Specific Project conduction--regarding**

We are planned to conduct, HVAC training on **Cost Estimation for a Specific Project** from 06.02.2017 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

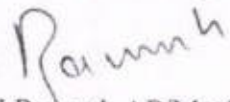
Encl: Students name list for the course

Thanking You

Place: KIOT


Date: 04.02.2017

Yours Faithfully

  
J.Ramesh AP/Mech

Forwarded to the Principal



  
PRINCIPAL,  
Knowledge Institute of Technology,  
Salem (P.O.) Salem.

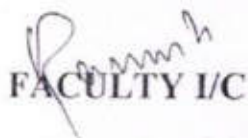



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-I: NAME LIST (2013-2017)**

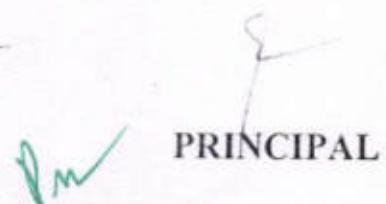
AY: 2016-17

Date: 08.07.2016

SL.N o.	Register Number	Student Name	Remarks
1.	611213114003	AJITH KUMAR.A	
2.	611213114006	ANNAMALAI.M	
3.	611213114009	ARUNKUMAR.M	
4.	611213114010	ARUN VIJAY RAJ.T	
5.	611213114016	BALAKRISNAN.S.M	
6.	611213114018	BALAMURUGAN V	
7.	611213114022	BHARATH.V	
8.	611213114023	BHARATH KUMAR.M	
9.	611213114026	CHANDRU.R	
10.	611213114027	CHINNARAJ R	
11.	611213114028	DESIGA A A	
12.	611213114029	DHANAPAL.M	
13.	611213114031	DHANASEKARAN.S	
14.	611213114032	DHARANIDHARAN G	
15.	611213114034	ELAVARASAN.R	
16.	611213114035	GAYATHRI .R	
17.	611213114036	GIRIVASAN.M	
18.	611213114040	GOKUL.V	
19.	611213114042	GOKULNATH.V	
20.	611213114043	GOPI.K	
21.	611213114046	GOVINDARAJ.C	
22.	611213114051	GOWTHAM.T	
23.	611213114054	GOWTHAMRAJ .D. G	
24.	611213114057	HARIHARAN G	
25.	611213114060	HUSSAIN AHAMED.F	
26.	611213114061	ILAIYVEL SABARIRAJ.K.T	
27.	611213114062	ILAVARASAN.S	
28.	611213114063	JAGASUTHAN. S	
29.	611213114071	KALAIARASAN.D	
30.	611213114072	KALAIVANAN.P	

  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

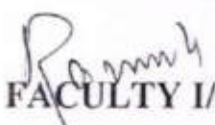
PRINCIPAL,  
Knowledge Institute of Technology  
Kakavalavam (PO) Salem

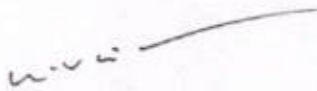
**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II: NAME LIST (2013-2017)**

AY: 2016-17

Date: 08.07.2016

SL.No.	Register Number	Student Name	Remarks
1.	611213114073	KALAIVANAN.S	
2.	611213114079	KARTHIKEYAN .M	
3.	611213114086	KEERTHIVASAN.S.A	
4.	611213114091	KRISHNAKUMAR.P	
5.	611213114093	LOGANATHAN.S	
6.	611213114095	MADHAN M	
7.	611213114100	MAIVIZHI .R	
8.	611213114101	MAKESH RAJ S	
9.	611213114103	MANI.S	
10.	611213114104	MANI .T	
11.	611213114105	MANIKANDAN .S	
12.	611213114106	MANIKANDAN S	
13.	611213114107	MANIVEL .T.S	
14.	611213114109	MANOJ S	
15.	611213114111	MANOJKUMAR S	
16.	611213114112	MANOJKUMAR.V	
17.	611213114114	MOHAMMAD MAHIN ABUBAKKAR.A	
18.	611213114115	MOHAMMED SHERIEFF J	
19.	611213114116	MOHAN.M	
20.	611213114117	MOHANKUMAR.N	
21.	611213114119	MOHANRAJ.S	
22.	611213114120	MOHANRAJ .R.E	
23.	611213114122	MURUGA POOBATHI .K	
24.	611213114123	MURUGESH.B	
25.	611213114125	NANDHAKUMAR .V	
26.	611213114126	NANDHAKUMAR.R	
27.	611213114128	NARUN P	
28.	611213114133	PALANISAMY .S	
29.	611213114134	PAVITHRAN S	
30.	611213114136	PRABAKARAN .P	

  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

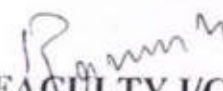


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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-III: NAME LIST (2013-2017)**

AY: 2016-17


Date: 08.07.2016

Sl.N o.	Register Number	Student Name	Remarks
1.	611213114142	PRADEEP RAJA .M	
2.	611213114146	PRASATH M	
3.	611213114148	PRATAP .S	
4.	611213114149	PRATHAP .G	
5.	611213114151	PRAVEEN KUMAR.R	
6.	611213114154	RAGAVENDRA .R	
7.	611213114156	RAJABOOPATHI R	
8.	611213114162	RAMESH .P	
9.	611213114169	RANJITH KUMAR.K.M	
10.	611213114176	SABAREESWARAN L	
11.	611213114195	SENTHIL RAJA. R	
12.	611213114207	SRISANKAR G	
13.	611213114220	VASANTH.P	
14.	611213114221	VASIYULLAH .A	
15.	611213114303	ARULMURUGAN A	
16.	611213114306	DHANASEKARAN B	
17.	611213114307	GOKUL K	
18.	611213114308	GOVINDARAJ S	
19.	611213114309	HARI RAJA S	
20.	611213114310	JAYANTHAN B	
21.	611213114313	MADAN.R	
22.	611213114318	MOHAMMED KUBAI AHAMED S	
23.	611213114319	NAGAMANIKANDAN K	
24.	611213114321	NIFASATH NWSIN N	
25.	611213114323	PRAGADEESH G	
26.	611213114324	PRASANTH P	
27.	611213114325	RAJESH R	
28.	611213114329	SATHISHKUMAR M	
29.	611213114331	SUMAN S	
30.	611213114701	DEEPAKKUMAR S	

  
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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)
					Day 1
4.1	Calculate Plant Tonnage	2	-	-	Day 2
4.2	Calculate Plant Tonnage	2	-	-	Day 3
4.3	Calculate Plant Tonnage	1	-	1	Day 4
4.4	Develop Vendor Short List	2	-	-	Day 5
4.5	Develop Vendor Short List	2	-	-	Day 6
4.6	Obtain Chiller Bids	2	-	-	Day 7
4.7	Obtain Chiller Bids	1	-	1	Day 8
4.8	Adjust for Other First-Cost Impacts	2	-	-	Day 9
4.9	Adjust for Other First-Cost Impacts	1	-	1	Day 10
4.10	Estimate Utility Costs	2	-	-	Day 11
4.11	Estimate Utility Costs	2	-	-	Day 12
4.12	Estimate Maintenance Costs	2	-	-	Day 13
4.13	Estimate Maintenance Costs	1	-	1	Day 14
4.14	Final Chiller Selection	2	-	-	Day 15
4.15	Final Chiller Selection	1	-	1	

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KNOWLEDGE INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering Course Plan					Date:08.07.2016
Name of the COE		lapmo-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.S.M.Gowtham & T.Balakrishanan	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.S.Surendar, Mr.J.Ramesh & T.Balakrishanan	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, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-I (2013-2017) MARK STATEMENT**  
**DUCTING DESIGN FOR ALL AIR HVAC SYSTEM – AY: 2016-17**

Year/Sem: IV/VII

Max.Marks:50

Date: 01.08.2016

SL.N o.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114003	AJITH KUMAR.A	32	PASS
2.	611213114006	ANNAMALAI.M	35	PASS
3.	611213114009	ARUNKUMAR.M	36	PASS
4.	611213114010	ARUN VIJAY RAJ.T	41	PASS
5.	611213114016	BALAKRISNAN.S.M	42	PASS
6.	611213114018	BALAMURUGAN V	40	PASS
7.	611213114022	BHARATH.V	38	PASS
8.	611213114023	BHARATH KUMAR.M	39	PASS
9.	611213114026	CHANDRU.R	32	PASS
10.	611213114027	CHINNARAJ R	41	PASS
11.	611213114028	DESIGA A A	40	PASS
12.	611213114029	DHANAPAL.M	25	PASS
13.	611213114031	DHANASEKARAN.S	26	PASS
14.	611213114032	DHARANIDHARAN G	29	PASS
15.	611213114034	ELAVARASAN.R	35	PASS
16.	611213114035	GAYATHRI .R	36	PASS
17.	611213114036	GIRIVASAN.M	34	PASS
18.	611213114040	GOKUL.V	32	PASS
19.	611213114042	GOKULNATH.V	30	PASS
20.	611213114043	GOPI.K	28	PASS
21.	611213114046	GOVINDARAJ.C	38	PASS
22.	611213114051	GOWTHAM.T	32	PASS
23.	611213114054	GOWTHAMRAJ .D. G	30	PASS
24.	611213114057	HARIHARAN G	39	PASS
25.	611213114060	HUSSAIN AHAMED.F	37	PASS
26.	611213114061	ILAIYVEL SABARIRAJ.K.T	35	PASS
27.	611213114062	ILAVARASAN.S	41	PASS
28.	611213114063	JAGASUTHAN. S	42	PASS
29.	611213114071	KALAIARASAN.D	46	PASS
30.	611213114072	KALAIVANAN.P	26	PASS

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

*Ramiah*  
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II (2013-2017) MARKS STATEMENT**  
**DUCTING DESIGN FOR ALL AIR HVAC SYSTEM- AY: 2016-17**

Year/Sem: IV/VII

Max.Marks:50

Date: 01.08.2016

Sl.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114073	KALAIVANAN.S	48	PASS
2.	611213114079	KARTHIKEYAN .M	45	PASS
3.	611213114086	KEERTHIVASAN.S.A	42	PASS
4.	611213114091	KRISHNAKUMAR.P	36	PASS
5.	611213114093	LOGANATHAN.S	38	PASS
6.	611213114095	MADHAN M	42	PASS
7.	611213114100	MAIVIZHI .R	38	PASS
8.	611213114101	MAKESH RAJ S	35	PASS
9.	611213114103	MANI.S	26	PASS
10.	611213114104	MANI .T	25	PASS
11.	611213114105	MANIKANDAN .S	41	PASS
12.	611213114106	MANIKANDAN S	40	PASS
13.	611213114107	MANIVEL .T.S	30	PASS
14.	611213114109	MANOJ S	32	PASS
15.	611213114111	MANOJKUMAR S	38	PASS
16.	611213114112	MANOJKUMAR.V	37	PASS
17.	611213114114	MOHAMMAD MAHIN ABUBAKKAR.A	42	PASS
18.	611213114115	MOHAMMED SHERIEFF J	47	PASS
19.	611213114116	MOHAN.M	28	PASS
20.	611213114117	MOHANKUMAR.N	25	PASS
21.	611213114119	MOHANRAJ.S	32	PASS
22.	611213114120	MOHANRAJ .R.E	35	PASS
23.	611213114122	MURUGA POOBATHI .K	36	PASS
24.	611213114123	MURUGESH.B	41	PASS
25.	611213114125	NANDHAKUMAR .V	42	PASS
26.	611213114126	NANDHAKUMAR.R	40	PASS
27.	611213114128	NARUN P	38	PASS
28.	611213114133	PALANISAMY .S	39	PASS
29.	611213114134	PAVITHRAN S	32	PASS
30.	611213114136	PRABAKARAN .P	41	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-III (2013-2017) MARKS STATEMENT**  
**DUCTING DESIGN FOR ALL AIR HVAC SYSTEM- AY: 2016-17**

Year/Sem: IV/VII

Max.Marks:50  
Date: 01.08.2016

Sl. No.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114142	PRADEEP RAJA .M	48	PASS
2.	611213114146	PRASATH M	45	PASS
3.	611213114148	PRATAP .S	42	PASS
4.	611213114149	PRATHAP .G	36	PASS
5.	611213114151	PRAVEEN KUMAR.R	38	PASS
6.	611213114154	RAGAVENDRA .R	42	PASS
7.	611213114156	RAJABOOPATHI R	38	PASS
8.	611213114162	RAMESH .P	35	PASS
9.	611213114169	RANJITH KUMAR.K.M	26	PASS
10.	611213114176	SABAREESWARAN L	25	PASS
11.	611213114195	SENTHIL RAJA. R	41	PASS
12.	611213114207	SRISANKAR G	40	PASS
13.	611213114220	VASANTH.P	30	PASS
14.	611213114221	VASIYULLAH .A	32	PASS
15.	611213114303	ARULMURUGAN A	38	PASS
16.	611213114306	DHANASEKARAN B	37	PASS
17.	611213114307	GOKUL K	42	PASS
18.	611213114308	GOVINDARAJ S	47	PASS
19.	611213114309	HARI RAJA S	28	PASS
20.	611213114310	JAYANTHAN B	25	PASS
21.	611213114313	MADAN.R	38	PASS
22.	611213114318	MOHAMMED KUBAI AHAMED S	32	PASS
23.	611213114319	NAGAMANIKANDAN K	30	PASS
24.	611213114321	NIFASATH NWSIN N	39	PASS
25.	611213114323	PRAGADEESH G	37	PASS
26.	611213114324	PRASANTH P	35	PASS
27.	611213114325	RAJESH R	41	PASS
28.	611213114329	SATHISHKUMAR M	42	PASS
29.	611213114331	SUMAN S	46	PASS
30.	611213114701	DEEPAKKUMAR S	47	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-I (2013-2017) MARK STATEMENT**  
**COST ESTIMATION FOR A SPECIFIC PROJECT – AY: 2016-17**

Max.Marks:50  
Date: 27.02.2017

Year/Sem: IV/VIII

Sl.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114003	AJITH KUMAR.A	41	PASS
2.	611213114006	ANNAMALALM	40	PASS
3.	611213114009	ARUNKUMAR.M	30	PASS
4.	611213114010	ARUN VIJAY RAJ.T	32	PASS
5.	611213114016	BALAKRISNAN.S.M	38	PASS
6.	611213114018	BALAMURUGAN V	37	PASS
7.	611213114022	BHARATH.V	42	PASS
8.	611213114023	BHARATH KUMAR.M	47	PASS
9.	611213114026	CHANDRU.R	28	PASS
10.	611213114027	CHINNARAJ R	25	PASS
11.	611213114028	DESIGA A A	27	PASS
12.	611213114029	DHANAPAL.M	29	PASS
13.	611213114031	DHANASEKARAN.S	36	PASS
14.	611213114032	DHARANIDHARAN G	37	PASS
15.	611213114034	ELAVARASAN.R	32	PASS
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18.	611213114040	GOKUL.V	42	PASS
19.	611213114042	GOKULNATH.V	32	PASS
20.	611213114043	GOPI.K	30	PASS
21.	611213114046	GOVINDARAJ.C	47	PASS
22.	611213114051	GOWTHAM.T	48	PASS
23.	611213114054	GOWTHAMRAJ .D. G	45	PASS
24.	611213114057	HARIHARAN G	42	PASS
25.	611213114060	HUSSAIN AHAMED.F	36	PASS
26.	611213114061	ILAIYVEL SABARIRAJ.K.T	38	PASS
27.	611213114062	ILAVARASAN.S	42	PASS
28.	611213114063	JAGASUTHAN. S	38	PASS
29.	611213114071	KALAIARASAN.D	32	PASS
30.	611213114072	KALAIVANAN.P	41	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-II (2013-2017) MARKS STATEMENT**  
**COST ESTIMATION FOR A SPECIFIC PROJECT – AY: 2016-17**


Year/Sem: IV/VIII

Max.Marks:50  
Date: 27.02.2017

SL.N o.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114073	KALAIVANAN.S	35	PASS
2.	611213114079	KARTHIKEYAN .M	36	PASS
3.	611213114086	KEERTHIVASAN.S.A	34	PASS
4.	611213114091	KRISHNAKUMAR.P	32	PASS
5.	611213114093	LOGANATHAN.S	30	PASS
6.	611213114095	MADHAN M	29	PASS
7.	611213114100	MAIVIZHI .R	31	PASS
8.	611213114101	MAKESH RAJ S	38	PASS
9.	611213114103	MANI.S	32	PASS
10.	611213114104	MANI .T	30	PASS
11.	611213114105	MANIKANDAN .S	39	PASS
12.	611213114106	MANIKANDAN S	37	PASS
13.	611213114107	MANIVEL .T.S	35	PASS
14.	611213114109	MANOJ S	41	PASS
15.	611213114111	MANOJKUMAR S	42	PASS
16.	611213114112	MANOJKUMAR.V	46	PASS
17.	611213114114	MOHAMMAD MAHIN ABUBAKKAR.A	47	PASS
18.	611213114115	MOHAMMED SHERIEFF J	42	PASS
19.	611213114116	MOHAN.M	36	PASS
20.	611213114117	MOHANKUMAR.N	34	PASS
21.	611213114119	MOHANRAJ.S	27	PASS
22.	611213114120	MOHANRAJ .RE	29	PASS
23.	611213114122	MURUGA POOBATHI .K	36	PASS
24.	611213114123	MURUGESH.B	37	PASS
25.	611213114125	NANDHAKUMAR .V	32	PASS
26.	611213114126	NANDHAKUMAR.R	41	PASS
27.	611213114128	NARUN P	42	PASS
28.	611213114133	PALANISAMY .S	42	PASS
29.	611213114134	PAVITHRAN S	32	PASS
30.	611213114136	PRABAKARAN .P	30	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-III (2013-2017) MARKS STATEMENT**  
**COST ESTIMATION FOR A SPECIFIC PROJECT – AY: 2016-17**

Max.Marks:50

Date: 27.02.2017

Year/Sem: IV/VIII

Sl.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114142	PRADEEP RAJA .M	32	PASS
2.	611213114146	PRASATH M	35	PASS
3.	611213114148	PRATAP .S	36	PASS
4.	611213114149	PRATHAP .G	41	PASS
5.	611213114151	PRAVEEN KUMAR.R	42	PASS
6.	611213114154	RAGAVENDRA .R	40	PASS
7.	611213114156	RAJABOOPATHI R	38	PASS
8.	611213114162	RAMESH .P	39	PASS
9.	611213114169	RANJITH KUMAR.K.M	32	PASS
10.	611213114176	SABAREESWARAN L	41	PASS
11.	611213114195	SENTHIL RAJA. R	40	PASS
12.	611213114207	SRISANKAR G	25	PASS
13.	611213114220	VASANTH.P	26	PASS
14.	611213114221	VASIYULLAH .A	34	PASS
15.	611213114303	ARULMURUGAN A	35	PASS
16.	611213114306	DHANASEKARAN B	36	PASS
17.	611213114307	GOKUL K	34	PASS
18.	611213114308	GOVINDARAJ S	32	PASS
19.	611213114309	HARI RAJA S	30	PASS
20.	611213114310	JAYANTHAN B	28	PASS
21.	611213114313	MADAN.R	27	PASS
22.	611213114318	MOHAMMED KUBAI AHAMED S	29	PASS
23.	611213114319	NAGAMANIKANDAN K	36	PASS
24.	611213114321	NIFASATH NWSIN N	37	PASS
25.	611213114323	PRAGADEESH G	32	PASS
26.	611213114324	PRASANTH P	41	PASS
27.	611213114325	RAJESH R	42	PASS
28.	611213114329	SATHISHKUMAR M	42	PASS
29.	611213114331	SUMAN S	32	PASS
30.	611213114701	DEEPAKKUMAR S	30	PASS

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

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Sl.No	Reg.No	Name of the Student	Year/ Sem	11-16	12-16	13-16	14-16	15-16	16-16	17-16	18-16	19-16	20-16	21-16	22-16	23-16	24-16	25-16	26-16	27-16					
18.	611213114308	GOVINDARAJ S	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/				
19.	611213114309	HARI RAJA S	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/			
20.	611213114310	JAYANTHAN B	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
21.	611213114313	MADAN.R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
22.	611213114318	MOHAMMED KUBAI AHAMED	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611213114319	NAGAMANIKANDAN K	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611213114321	NIFASATH NWSIN N	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611213114323	PRAGADEESH G	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611213114324	PRASANTH P	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611213114325	RAJESH R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611213114329	SATHISHKUMAR M	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611213114331	SUMAN S	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611213114701	DEEPAKKUMAR S	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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 DEPARTMENT OF MECHANICAL ENGINEERING  
 CENTER FOR HEATING VENTILATION AND AIR CONDITIONING  
 BATCH-I (2013-2017)  
 COST ESTIMATION FOR A SPECIFIC PROJECT-TRAINING ATTENDANCE

AY: 2016-2017

Date: 24.02.2017

SL.No	Reg.No	Name of the Student	Year/ Sem	6-2-17	7-2-17	8-2-17	9-2-17	10-2-17	11-2-17	13-2-17	14-2-17	15-2-17	16-2-17	17-2-17	18-2-17	20-2-17	21-2-17	22-2-17
				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
1.	611213114003	AJITH KUMAR.A	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611213114006	ANNAMALAIM	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611213114009	ARUNKUMAR.M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611213114010	ARUN VIJAY RAJ.T	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5.	611213114016	BALAKRISNAN.S.M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611213114018	BALAMURUGAN V	IV/VIII	/	/	/	a	/	/	/	/	a	/	/	a	/	/	/
7.	611213114022	BHARATH.V	IV/VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	a	/
8.	611213114023	BHARATH KUMAR.M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9.	611213114026	CHANDRU.R	IV/VIII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
10.	611213114027	CHINNARAJ R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11.	611213114028	DESIGA A A	IV/VIII	/	/	/	/	a	/	/	/	/	/	/	/	/	/	a
12.	611213114029	DHANAPAL.M	IV/VIII	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611213114031	DHANASEKARAN.S	IV/VIII	/	/	/	/	/	/	/	/	/	a	/	/	/	/	/
14.	611213114032	DHARANIDHARAN G	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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SL.No	Reg.No	Name of the Student	Year/ Sem	6-2-17	7-2-17	8-2-17	9-2-17	10-2-17	11-2-17	13-2-17	14-2-17	15-2-17	16-2-17	17-2-17	18-2-17	20-2-17	21-2-17	22-2-17
15.	611213114034	ELAVARASAN.R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611213114035	GAYATHRI .R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611213114036	GIRIVASAN.M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611213114040	GOKUL.V	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611213114042	GOKULNATH.V	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611213114043	GOPI.K	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611213114046	GOVINDARAJ.C	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611213114051	GOWTHAM.T	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611213114054	GOWTHAMRAJ .D. G	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611213114057	HARIHARAN G	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611213114060	HUSSAIN AHAMED.F	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611213114061	ILAIYVEL SABARIRAJ.K.T	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611213114062	ILAVARASAN.S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611213114063	JAGASUTHAN. S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611213114071	KALAIARASAN.D	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611213114072	KALAIVANAN.P	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**Faculty I/C**

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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II (2013-2017)**  
**COST ESTIMATION FOR A SPECIFIC PROJECT-TRAINING ATTENDANCE**

AY: 2016-2017

Date: 24.02.2017

Sl.No	Reg.No	Name of the Student	Year/ Sem	6-2-17	7-2-17	8-2-17	9-2-17	10-2-17	11-2-17	13-2-17	14-2-17	15-2-17	16-2-17	17-2-17	18-2-17	20-2-17	21-2-17	22-2-17
1.	611213114073	KALAIVANAN.S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611213114079	KARTHIKEYAN .M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611213114086	KEERTHIVASAN.S.A	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611213114091	KRISHNAKUMAR.P	IV/VIII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
5.	611213114093	LOGANATHAN.S	IV/VIII	/	/	/	/	a	/	/	/	/	/	a	/	/	/	/
6.	611213114095	MADHAN M	IV/VIII	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611213114100	MAIVIZHI .R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8.	611213114101	MAKESH RAJ S	IV/VIII	/	/	/	/	/	/	/	a	/	/	/	/	/	a	/
9.	611213114103	MANI.S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611213114104	MANI .T	IV/VIII	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/
11.	611213114105	MANIKANDAN .S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	611213114106	MANIKANDAN S	IV/VIII	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
13.	611213114107	MANIVEL .T.S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	a	/
14.	611213114109	MANOJ S	IV/VIII	a	/	/	/	/	/	a	/	/	a	/	/	/	/	/

SL.No	Reg.No	Name of the Student	Year/Sem	6-2-17	7-2-17	8-2-17	9-2-17	10-2-17	11-2-17	12-2-17	13-2-17	14-2-17	15-2-17	16-2-17	17-2-17	18-2-17	19-2-17	20-2-17
15.	611213114111	MANOJKUMAR S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611213114112	MANOJKUMAR.V	IV/VIII	/	0	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611213114114	MOHAMMAD MAHIN ABIDAKKAR A	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611213114115	MOHAMMED SHERIEFF J	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	9	/	/	/
19.	611213114116	MOHAN.M	IV/VIII	/	/	/	/	9	/	/	9	/	/	/	/	/	/	/
20.	611213114117	MOHANKUMAR.N	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611213114119	MOHANRAJ.S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611213114120	MOHANRAJ .R.E	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611213114122	MURUGA POOBATHI .K	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611213114123	MURUGESH.B	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611213114125	NANDHAKUMAR .V	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	9	/
26.	611213114126	NANDHAKUMAR.R	IV/VIII	/	/	/	/	/	9	/	/	/	/	/	/	/	/	/
27.	611213114128	NARUN P	IV/VIII	/	/	/	/	/	9	/	/	/	/	/	/	/	/	/
28.	611213114133	PALANISAMY .S	IV/VIII	/	/	/	/	/	/	/	/	/	9	/	/	/	/	/
29.	611213114134	PAVITHRAN S	IV/VIII	/	9	/	/	/	/	/	/	/	/	/	/	/	9	/
30.	611213114136	PRABAKARAN .P	IV/VIII	/	/	/	/	/	/	9	/	/	/	/	/	/	/	/

*Ramiah*  
FACULTY I/C

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HOD/MECH

*[Signature]*  
PRINCIPAL.  
Knowledge Institute of Technology  
Talakalavam (PO) Salem - 53

*[Signature]*  
PRINCIPAL





Sl.No	Reg.No	Name of the Student	Year/ Sem	6-2-17	7-2-17	8-2-17	9-2-17	10-2-17	11-2-17	13-2-17	14-2-17	15-2-17	16-2-17	17-2-17	18-2-17	20-2-17	21-2-17	22-2-17
15.	611213114303	ARULMURUGAN A	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611213114306	DHANASEKARAN B	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611213114307	GOKUL K	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611213114308	GOVINDARAJ S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611213114309	HARI RAJA S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611213114310	JAYANTHAN B	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611213114313	MADAN.R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611213114318	MOHAMMED KUBAI	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	611213114319	NAGAMANIKANDAN K	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611213114321	NIFASATH NWSIN N	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611213114323	PRAGADEESH G	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611213114324	PRASANTH P	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611213114325	RAJESH R	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611213114329	SATHISHKUMAR M	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611213114331	SUMAN S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611213114701	DEEPAKKUMAR S	IV/VIII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

*Rajamurthy*  
FACULTY I/C

HOD/MECH

PRINCIPAL

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Kabalavaram (PO) Salem - K.



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-I (2013-2017)**  
**DUCTING DESIGN FOR ALL AIR HVAC SYSTEM- TRAINING ATTENDANCE**

AY: 2016-2017

Date: 28.07.2016

Sl. No	Reg.No	Name of the Student	Year/ Sem	11-7-16	12-7-16	13-7-16	14-7-16	15-7-16	16-7-16	18-7-16	19-7-16	20-7-16	21-7-16	22-7-16	23-7-16	25-7-16	26-7-16	27-7-16
1.	611213114003	AJITH KUMAR.A	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611213114006	ANNAMALAI.M	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3.	611213114009	ARUNKUMAR.M	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4.	611213114010	ARUN VIJAY RAJ.T	IV/VII	/	/	a	/	/	/	/	/	a	/	/	a	a	/	/
5.	611213114016	BALAKRISNAN.S.M	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6.	611213114018	BALAMURUGAN V	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7.	611213114022	BHARATH.V	IV/VII	/	/	/	/	/	/	/	/	/	/	a	a	/	/	/
8.	611213114023	BHARATH	IV/VII	/	a	/	a	/	a	/	/	/	/	/	/	/	/	/
9.	611213114026	CHANDRU.R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10.	611213114027	CHINNARAJ R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
11.	611213114028	DESIGA A A	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12.	611213114029	DHANAPAL.M	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13.	611213114031	DHANASEKARAN.S	IV/VII	/	/	a	a	/	/	/	/	/	/	/	/	/	/	/
14.	611213114032	DHARANIDHARAN	IV/VII	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
15.	611213114034	ELAVARASAN.R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611213114035	GAYATHRI .R	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611213114036	GIRIVASAN.M	IV/VII	/	a	/	/	/	/	a	/	/	/	/	a	/	/	/

Sl. No	Reg.No	Name of the Student	Year/Sem	11-7-16	12-7-16	13-7-16	14-7-16	15-7-16	16-7-16	18-7-16	19-7-16	20-7-16	21-7-16	22-7-16	23-7-16	24-7-16	27-7-16
18.	611213114040	GOKUL.V	IV/VII	/	/	/	/	/	/	/	/	/	/	a	/	/	/
19.	611213114042	GOKULNATH.V	IV/VII	/	/	/	/	/	a	/	/	/	/	/	/	/	/
20.	611213114043	GOPI.K	IV/VII	/	a	/	/	/	/	/	/	/	/	/	/	/	/
21.	611213114046	GOVINDARAJ.C	IV/VII	/	/	/	/	/	/	/	/	/	/	/	a	/	/
22.	611213114051	GOWTHAM.T	IV/VII	/	/	/	/	/	a	/	/	/	/	/	/	/	a
23.	611213114054	GOWTHAMRAJ .D.	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611213114057	HARIHARAN G	IV/VII	/	/	/	a	/	/	/	a	/	/	/	a	/	/
25.	611213114060	HUSSAIN	IV/VII	/	/	a	/	/	/	/	/	/	/	/	/	/	/
26.	611213114061	ILAIYVEL	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611213114062	ILAVARASAN.S	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611213114063	JAGASUTHAN. S	IV/VII	/	/	/	/	y	/	/	/	/	/	/	/	/	/
29.	611213114071	KALAIARASAN.D	IV/VII	/	/	/	/	/	/	/	/	/	/	/	a	/	/
30.	611213114072	KALAIVANAN.P	IV/VII	/	/	/	/	/	/	/	/	/	/	/	/	/	/

*P. Ramiah*  
FACULTY I/C

*[Signature]*  
HOD/MECH

*[Signature]*  
PRINCIPAL

*[Signature]*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kopalayam (PO) Salem - 637 501



**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	Krishnakumar P			
Register No	611212114091			
Date	29-7-16	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
TR	36			
Faculty Signature				

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

- What is the symbol for impedance?  
a. R    b. I     c. Z    d. P
- The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_.  
a. red     b. green    c. black    d. white
- Heat which causes a change in temperature of a substance is called:  
a. latent heat.     b. sensible heat.    c. superheat.    d. regular heat.
- 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
- What is a sling psychrometer used to measure?  
a. Latent heat    b. Super heat     c. 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     d. 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.     d. operate at high efficiency.
- 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
- What is the major difference between a heat pump and an air conditioner?  
a. Condenser    b. Thermostatic expansion valve  
c. Evaporator     d. Reversing valve
- 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
- 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
- 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
- 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.
- what is the primary composition of natural gas?  
a. 65 percent methane    b. 75 percent methane    c. 85 percent methane     d. 95 percent methane
- 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
- Which of the following is an example of a resistive load?  
a. Bimetal switch     b. Crankcase heater    c. Transformer    d. Motor
- 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.  
 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?  
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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
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37. The capacity of visible cooler is expressed in:



- (c) trichloro monofluoro methane (d) dichloro monofluoro methane
39. Which of the following refrigerant has the lowest boiling point?  
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41. The absolute zero temperature corresponds on the condition when  
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42. Sum of atmospheric pressure and gauge pressure is called  
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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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Ramiah  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL,  
Knowledge Institute of Technology  
Salem (PO) Salem

**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	DESIGN A - A - A			
Register No	21012114028			
Date	29.7.18	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	40			

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

- What is the symbol for impedance?  
a. R    b. I    c.  $Z$     d. P
- The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_.  
a. red    b. ~~green~~    c. black    d. white
- Heat which causes a change in temperature of a substance is called:  
a. latent heat.    b. ~~sensible~~ heat.    c. superheat.    d. regular heat.
- 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
- What is a sling psychrometer used to measure?  
a. Latent heat    b. Super heat    c. ~~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)?  
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- In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:  
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- An thermal expansion valve that is stuck wide open will cause \_\_\_\_\_.  
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- 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
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a. one pound of ice one-degree Fahrenheit.    b. ~~one~~ pound of water one-degree Fahrenheit.  
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a. 65 percent methane    b. 75 percent methane    c. 85 percent methane    d. ~~95~~ percent methane
- The electric heat element is usually made of what material?  
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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	C. Gowindaraj			
Register No	611218114016			
Date	29.2.16	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
J.R				
Faculty Signature	38			

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Iapmo-India - Kiot, Centre of Excellence

Subject Name	Ducting Design for all air HVAC system			
Name of the Student	R. GAYATHRI - B			
Register No	6112113114035			
Date	29-7-2016	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
J.R				
Faculty Signature	36			
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 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:  
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29. Pump down the system for:  
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 (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:

- (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  
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42. Sum of atmospheric pressure and gauge pressure is called  
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43. The effectiveness of the cooling tower is dependent on:  
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(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
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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  
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50. Oil separator is fitted in between  
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(c) compressor and condenser      (d) at the receiver outlet

  
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Akapatavam (PO), Salem - 637



**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	BALAKRISHNAN. CN			
Register No	611213114016			
Date	29-7-16	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
J.R				
Faculty Signature	42			
Ram				

ANSWER ALL THE QUESTIONS-(50X01=50)

- What is the symbol for impedance?  
a. R    b. I    c. ~~Z~~    d. P
- The safety ground conductor for A/C circuit is usually color coded \_\_\_\_\_.  
a. red    b. green    c. black    d. white
- Heat which causes a change in temperature of a substance is called:  
a. latent heat    b. sensible heat    c. superheat    d. regular heat.
- 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
- What is a sling psychrometer used to measure?  
a. Latent heat    b. Super heat    c. ~~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    d. ~~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.    d. ~~operate at high efficiency.~~
- 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
- What is the major difference between a heat pump and an air conditioner?  
a. Condenser    b. Thermostatic expansion valve  
c. Evaporator    d. ~~Reversing valve~~
- 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
- 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
- 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
- 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.
- what is the primary composition of natural gas?  
a. 65 percent methane    b. 75 percent methane    c. 85 percent methane    d. ~~95 percent methane~~
- 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~~
- Which of the following is an example of a resistive load?  
a. Bimetal switch    b. ~~Crankcase heater~~    c. Transformer    d. Motor
- 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.
- 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.
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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	MADHAN. N			
Register No	611212114095			
Date	24.2.2017	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	29			

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

1. To make out an estimate for a work the following data are necessary-Drawing, Specification and
  - a) materials
  - b) rates
  - c) labours
  - d) transportation
2. \_\_\_\_\_ 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
3. Approximate cost of a hostel building for 100 students's @Rs.10000/- per student works out as Rs. 10 lakhs.
  - a) True
  - b) False
4. 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
5. 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
6. 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
7. Approximate cost of sewerage project for a population of one lakh@ Rs. 10/- head works out as Rs. 10 lakh.
  - a) True
  - b) False
8. 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
9. 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
10. \_\_\_\_\_ 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
11. \_\_\_\_\_ 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
12. 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
13. \_\_\_\_\_ 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
14. 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
15. 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
16. 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
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)  $\text{K cal/kg m}^2 \text{ }^\circ\text{C}$       (B)  $\text{K cal m/hr m}^2 \text{ }^\circ\text{C}$       (C)  $\text{K cal/hr m}^2 \text{ }^\circ\text{C}$       (D)  $\text{K calm/hr }^\circ\text{C}$
  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

PM



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)  $k \cdot (dx/dT)$
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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	M. Mahangaj. S				
Register No	011012114119				
Date	24.2.2017	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
J.R					
Faculty Signature	27				
P. Ananth					

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42. Polyolester (POE) oils stored in plastic containers will \_\_\_\_\_.  
 a. separate b. become more alkaline  
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 a. a foul odor b. to be charged in the vapor phase  
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44. What is a carbon footprint?  
 a. The carbon deposits from burning gasoline.  
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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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46. The function of duct in air conditioning unit is:  
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*Ramiah*  
 FACULTY I/C

*Pm*  
 PRINCIPAL,  
 Knowledge Institute of Technology  
 Kalavaram (PO), Salem - 636 014

*[Signature]*  
 HOD/MECH

**KNOWLEDGE INSTITUTE OF TECHNOLOGY  
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Iapmo-India – Kiot, Centre of Excellence

Subject Name	Cost Estimation for a Specific Project			
Name of the Student	Mohammed Mahin Abubakar Kat. A			
Register No	G11212114114			
Date	24.2.17	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	47			

**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
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a) Supplementary Estimate    b) Plinth Area Estimate    c) Revised Estimate    d) Abstract Estimate
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*Ramsh*  
 FACULTY I/C

*Pr*  
 PRINCIPAL,  
 Knowledge Institute of Technology  
 ... (PO) Salem

*[Signature]*  
 HOD/MECH



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Subject Name	Cost Estimation for a Specific Project				
Name of the Student	Manoj Kumar S				
Register No	611213114111				
Date	24.2.17	Duration	60 Minutes	Max.Marks	50
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    - (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)  $K \text{ cal m/hr }^\circ\text{C}$
  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) Kirchoffs 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
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:  
 (a) super heating (b) sublimation (c) subcooling (d) triple point
48. 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
49. 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
50. Solenoid valve is operated:  
 (a) electrically (b) by hand (c) by gas pressure (d) by oil pressure

*Ramiah*  
 FACULTY I/C

*Rm*  
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 Knowledge Institute of Technology  
 Kalanayam (P.O), Salem - 637 001

*[Signature]*  
 HOD/MECH



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SALEM  
Department Of Mechanical Engineering

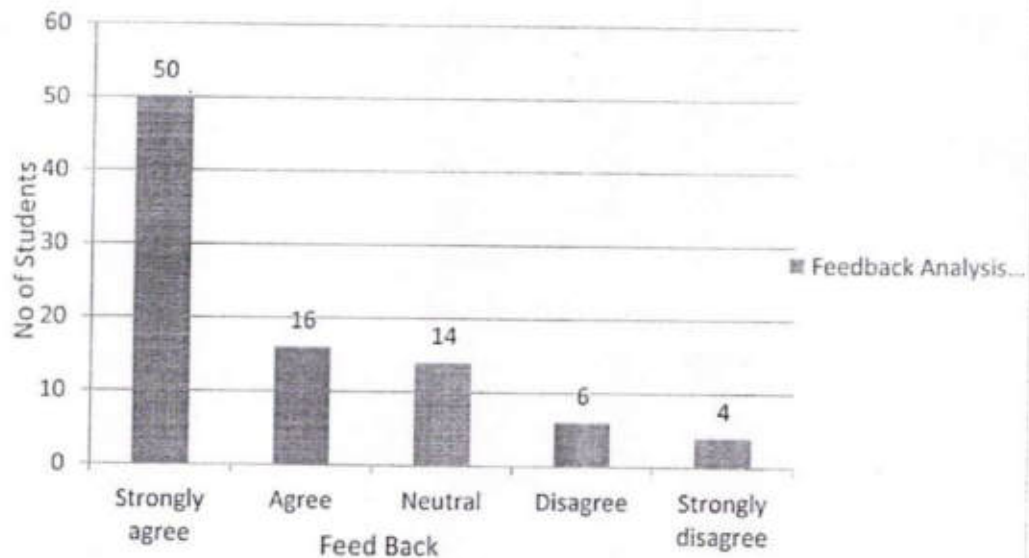


Academic Year: 2016-2017

Batch: 2013-2017

Year:IV

### Feedback Analysis Report



#### STUDENTS ARE SUGGESTION TO IMPROVEMENTS:

- 70 % of the students are strongly agreeing the course content and training methods.
- .Few students are expecting In-house project related with HVAC.

*Rammy*  
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*[Signature]*  
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Knowledge Institute of Technology  
- stavam (PO) Salem - 637 1

*[Signature]*  
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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to


**RANJITH KUMAR.K.M (611213114169)**

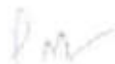
In recognition of successful completion of

**“Ducting Design for all air HVAC system”**

Conducted by “IIC-Center” from 11.07.2016 to 27.07.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

  
HOD/Mech

  
PRINCIPAL,  
Knowledge Institute of Technology  
Chakrapalayam (RO), Salem - 636 012

  
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DEPARTMENT OF MECHANICAL ENGINEERING



## *Certificate of Completion*

This certificate is awarded to  
**NARUN P (611213114128)**

In recognition of successful completion of  
“Ducting Design for all air HVAC system”

Conducted by “IIK-Center” from 11.07.2016 to 27.07.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
HOD/Mech

  
PK NALPAL,  
Knowledge Institute of Technology,  
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Principal





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DEPARTMENT OF MECHANICAL ENGINEERING



## ***Certificate of Completion***

This certificate is awarded to

**MOHAMMAD MAHIN ABUBAKKAR.A (611213114114)**

In recognition of successful completion of

**“Ducting Design for all air HVAC system”**

Conducted by “IIC-Center” from 11.07.2016 to 27.07.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
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*Acquirent Knowledge*

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## ***Certificate of Completion***

This certificate is awarded to  
**MANI.S (611213114103)**

In recognition of successful completion of  
“Ducting Design for all air HVAC system”

Conducted by “IIC-Center” from 11.07.2016 to 27.07.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
HOD/Mech

  
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## ***Certificate of Completion***


This certificate is awarded to  
**GOKULNATH.V (611213114042)**

In recognition of successful completion of  
“Ducting Design for all air HVAC system”

Conducted by “IIC-Center” from 11.07.2016 to 27.07.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
HOD/Mech

  
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Practical Knowledge

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DEPARTMENT OF MECHANICAL ENGINEERING



## *Certificate of Completion*

This certificate is awarded to  
**ARUNKUMAR.M (611213114009)**

In recognition of successful completion of  
“Ducting Design for all air HVAC system”

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Technology Salem, Tamilnadu, India.

HOD/Mech

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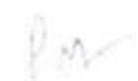
This certificate is awarded to  
**BALAKRISNAN.S.M(611213114016)**

In recognition of successful completion of  
“Cost Estimation for a Specific Project”

Conducted by “IIC-Center” from 06.02.2017 to 23.02.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
HOD/Mech

  
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## *Certificate of Completion*

This certificate is awarded to

**DHARANIDHARAN G (611213114032)**


In recognition of successful completion of

“Cost Estimation for a Specific Project”

Conducted by “IIC-Center” from 06.02.2017 to 23.02.2017  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

  
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## *Certificate of Completion*

This certificate is awarded to

**KRISHNAKUMAR.P (611213114091)**


In recognition of successful completion of

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Technology salem, Tamilnadu, India.

  
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## *Certificate of Completion*

This certificate is awarded to

**MANIKANDAN .S (611213114105)**


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

  
HOD/Mech

  
PK NALPAL,  
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## ***Certificate of Completion***

This certificate is awarded to


**NANDHAKUMAR .V (611213114125)**


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Technology salem, Tamilnadu, India.

  
HOD/Mech

  
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Kadavayam (PO) Salem - 637 51

  
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## *Certificate of Completion*

This certificate is awarded to

**SABAREESWARAN L (611213114176)**


In recognition of successful completion of

“Cost Estimation for a Specific Project”

Conducted by “IIC-Center” from 06.02.2017 to 23.02.2017  
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Technology Salem, Tamilnadu, India.

  
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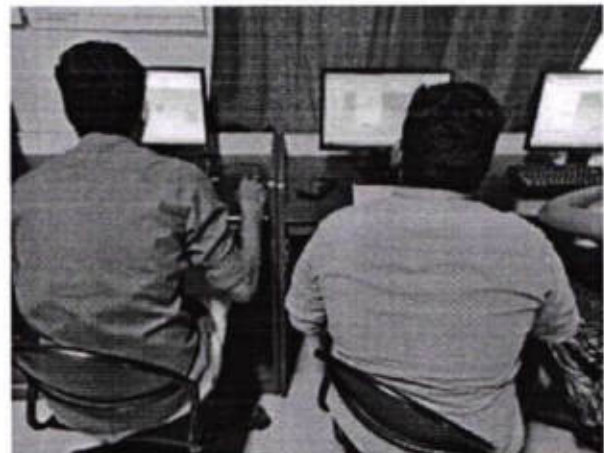
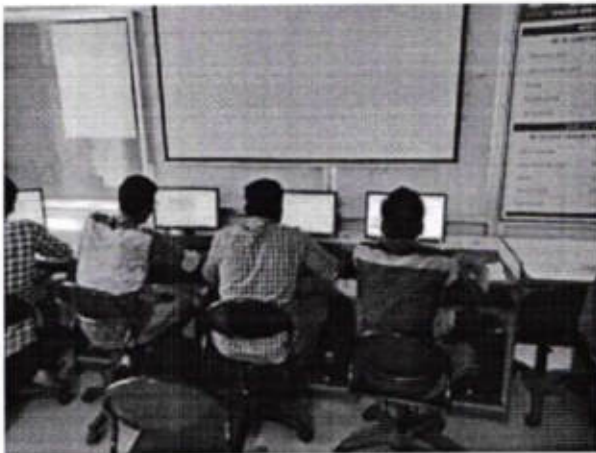
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Approved by AICTE, Affiliated to Anna University, Chennai.

**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-1) using NX CAD software		
Resource Person details	Mr.K.V.Rangasamy Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	III Students= 90
Date, Time and Venue	17.01.2017 – 02.02.2017 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 4 features of NX CAD software. It contains NX CAD basic 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). He shared his personal experiences and difficulties he faced in his Industrial Career.




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

From

Dr.H.Abdul Zubar,  
Associate Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

HOD  
permitted  


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

03.01.2017

Forwarded to the Principal  


Yours Faithfully

  
Dr.H.Abdul Zubar

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



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CIRCULAR

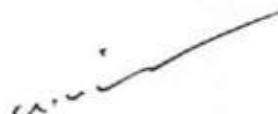
Circular No.		Date	03.01.2017
To	III & II-Year students		
Subject	Solid Modeling (Level-1) using CATIA & NXCAD software		

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. 17.01.2017 – 02.02.2017	Mr.C.Eswaramoorthy 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 I/c

  
HOD

  
PRINCIPAL

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

From

Dr.H.Abdul Zubar,  
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

04.07.2016

Forwarded to the principal



Yours Faithfully

  
Dr.H.Abdul Zubar

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



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504**


**CIRCULAR**

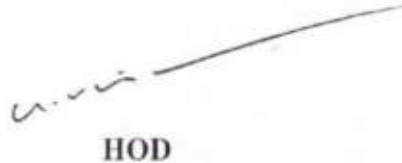
<b>Circular No.</b>		<b>Date</b>	<b>04.07.2016</b>
<b>To</b>	IV-Year students		
<b>Subject</b>	Solid Modeling (Level-2) using CATIA software		

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 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 software	COE – CRCPDT, A-Block, KIOT. 11.07.2016 – 23.07.2016	Mr.J.Prakash 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

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

17.01.2017 to 02.02.2017



*Wise and Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

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

in association with



PHILIPAL,

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

### About KIOT

Knowledge Institute of Technology (KIOT) is a brain-child of 22 eminent professors from leading engineering colleges and 20 first generation entrepreneurs with a vision to build our nation through quality education. KIOT was established in 2009 with noble vision and mission of Dr.PSS.Srinivasan, who is leading this institution. He has a total of 26 years experience in teaching and research, supervised 14 Ph.Ds, supervising 2 Ph.D. scholars, and published over 200 research articles in International and National forums.

Vision of KIOT is to become one among the top 500 best universities in the world by 2035. KIOT has emerged as one among the best in class institutions in our region and performing in all the domain such as Academics, Research, Consultancy works and Training and Placement within a short span of 8 years. As a proven record, in the year 2016-17, based on single window system by Anna University, KIOT counselling seats were filled in second position in salem district and one among top 5 in the region. KIOT has a placement record of more than 90% students' placement before leaving the campus in the last three years. The institute has a team of 215 dedicated faculty members, 17 faculty with Ph.D, and 25 faculty pursuing their research. Knowledge Business School Salem (KBSS) is the sister institution situated in the same KIOT Campus, which offers best in class MBA programme.

### 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.

Department of Mechanical Engineering is one of the vibrant departments of KIOT, which offers B.E Mechanical Engineering and M.E Industrial Safety Engineering. The Department is rich in term of faculty members with an average teaching experience of 9 years and research exposure of 4 years. The Department has a team of 53 dedicated members of faculty, 6 with Ph.D and 6 pursuing their research. The Department has established industrial collaborative research centres with Harita Techserv Pvt., Ltd., Bahwan CyberTek Pvt., Ltd., Seven Standards Industrial Solution 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, 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, Plucken 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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<p>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</p>				
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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	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

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



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**NAME LIST**

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

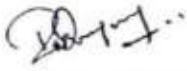
PR. N. LIPAL,



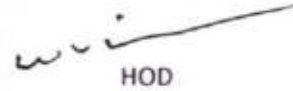
37	D	611214114060	HARIHARAN K B	III/VI	
38	A	611214114061	HARIHARAN M	III/VI	
39	B	611214114064	JAGATHISH.S	III/VI	
40	A	611214114067	JEEVA HARIHARAN P.V	III/VI	
41	B	611214114070	KARTHICK D	III/VI	
42	C	611214114071	KARTHICK.M	III/VI	
43	A	611214114072	KARTHIK G	III/VI	
44	A	611214114073	KARTHIK.T	III/VI	
45	B	611214114076	KARTHKKRAJA.J.K	III/VI	
46	B	611214114077	KARTHIKRAJ R	III/VI	
47	B	611214114078	KARUNAKARAN.V	III/VI	
48	D	611214114081	KAVIBARATHI V	III/VI	
49	A	611214114082	KAVIN KUMAR VADIVEL.V	III/VI	
50	C	611214114083	KIRUBAKARAN.S	III/VI	
51	C	611214114087	KUMAR.M	III/VI	
52	C	611214114088	KUPPURAJS	III/VI	
53	B	611214114089	LAVANYA L	III/VI	
54	A	611214114093	MALLIGARAJ V	III/VI	
55	A	611214114095	MANIKANDAN.G	III/VI	
56	C	611214114096	MANIKANDAN.K	III/VI	
57	B	611214114097	MANIKANDAN.L	III/VI	
58	B	611214114101	MANI VASAGAM.J	III/VI	
59	D	611214114102	MANIVELRAJA R	III/VI	
60	C	611214114103	MANOJA	III/VI	
61	C	611214114106	MATHU PRASATH.R	III/VI	
62	C	611214114110	MOHAMMED JAVITH.Y	III/VI	
63	C	611214114111	MOHAN PRASATH. K.C	III/VI	
64	C	611214114117	MUTHUKUMARAN.M	III/VI	
65	C	611214114119	MUTHUVEL.S	III/VI	
66	D	611214114120	NAGARAJAN N	III/VI	
67	B	611214114123	NAVEEN.V	III/VI	
68	C	611214114124	NAVEEN KUMAR.A	III/VI	
69	C	611214114136	PRAGATHI.B	III/VI	
70	B	611214114153	RESHMA S	III/VI	
71	D	611214114173	SIBICHANDAN S S	III/VI	
72	C	611214114196	VENGATA SUDARSHAN.R.R	III/VI	
73	D	611214114199	VENKATESH R	III/VI	
74	C	611214114205	VIJAY.A.K.V	III/VI	
75	D	611214114215	YOGESHWAR P	III/VI	
76	A	611214114302	AJEETH KUMAR M	III/VI	
77	B	611214114303	ANGURAJ T	III/VI	
78	B	611214114307	BALAN S	III/VI	
79	B	611214114309	DHAMOTHARAN A	III/VI	
80	B	611214114310	DINESHKUMAR R	III/VI	



81	D	611214114311	ELANGO BHARATHI N	III/VI	
82	B	611214114314	IDUMBAN R	III/VI	
83	C	611214114315	JAYAPRAKASH. B	III/VI	
84	A	611214114318	KARTHIC.M	III/VI	
85	C	611214114321	MADHESHWARAN.S	III/VI	
86	C	611214114326	MOHAN RAJ.G	III/VI	
87	C	611214114327	MUTHUKUMAR.G	III/VI	
88	B	611214114334	PRAKASHRAJ P	III/VI	
89	B	611214114341	SATHYAN A	III/VI	
90	C	611214114350	VIGNESH.N	III/VI	



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**TRAINING ATTENDANCE SHEET (17.01.2017 to 02.02.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	17.01.2017	18.01.2017	19.01.2016	20.01.2017	23.01.2017	24.01.2017
1	C	611214114003	AKSHAY.V	III/VI	/	/	/	/	/	/
2	A	611214114004	ABISHEK A G	III/VI	/	/	/	/	/	/
3	B	611214114006	ANWARBASHA. N	III/VI	/	/	/	/	/	/
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5	D	611214114019	BALAJI M	III/VI	/	/	/	/	/	/
6	D	611214114021	BALAMURALI KRISHNAN V	III/VI	/	/	/	/	/	/
7	D	611214114022	BALUMAHENDRAN B	III/VI	/	/	/	/	/	/
8	B	611214114024	DEENADAYALAN.H	III/VI	/	/	/	/	/	/
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11	D	611214114031	DINESH G	III/VI	/	/	/	/	/	/
12	D	611214114033	DINESH KUMAR P	III/VI	/	/	/	/	/	/
13	D	611214114034	DINESH KUMAR S	III/VI	/	/	/	/	/	/
14	A	611214114035	EZHILARASAN.A	III/VI	a	/	/	a	/	/
15	A	611214114036	GANESHANAND T M	III/VI	/	/	/	/	/	/
16	D	611214114037	GANESHKUMAR S	III/VI	/	/	/	/	/	/
17	D	611214114038	GIRIDHARAN M	III/VI	/	/	/	/	/	/
18	B	611214114039	GOKULA KRISHNAN.S	III/VI	/	/	/	/	/	/
19	D	611214114040	GOKULMUTHU M	III/VI	/	/	/	/	/	/
20	D	611214114041	GOKULNATH J	III/VI	/	/	/	/	/	/
21	D	611214114042	GOKUL RAJ B	III/VI	/	/	/	/	/	/
22	B	611214114044	GOKULRAJ.J	III/VI	/	a	/	a	/	/
23	A	611214114045	GOKULRAJ K	III/VI	/	/	/	/	/	/
24	D	611214114046	GOKULRAJ P	III/VI	/	/	/	/	/	/
25	A	611214114047	GOKULRAJ R	III/VI	/	/	/	/	/	/
26	D	611214114048	GOKUL RAJ S	III/VI	/	/	/	/	/	/
27	B	611214114049	GOKULRAJ.V	III/VI	/	/	/	/	/	/
28	A	611214114051	GOPINATH.A	III/VI	/	/	/	/	/	/
29	B	611214114052	GOPINATH C M	III/VI	/	/	/	/	/	/
30	D	611214114053	GOWDAMAN S	III/VI	/	/	/	/	/	/
31	A	611214114054	GOWTHAM.C	III/VI	/	/	/	/	/	/
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33	D	611214114056	GOWTHAMAN S	III/VI	/	/	/	/	/	/
34	A	611214114057	GUNASEKARAN N	III/VI	/	/	/	/	/	/
35	D	611214114058	GURUNATHAN P	III/VI	/	/	/	/	/	/
36	B	611214114059	HARI.G	III/VI	/	/	/	/	/	/
37	D	611214114060	HARIHARAN K B	III/VI	/	a	/	/	/	a
38	A	611214114061	HARIHARAN M	III/VI	/	/	/	/	/	/
39	B	611214114064	JAGATHISH.S	III/VI	/	/	/	/	/	/
40	A	611214114067	JEEVA HARIHARAN P.V	III/VI	/	/	/	/	/	/
41	B	611214114070	KARTHICK D	III/VI	/	/	/	/	/	/
42	C	611214114071	KARTHICK.M	III/VI	/	/	/	/	/	/
43	A	611214114072	KARTHIK G	III/VI	/	/	/	/	/	/
44	A	611214114073	KARTHIK.T	III/VI	/	/	/	a	/	/
45	B	611214114076	KARTHKRAJA.J.K	III/VI	/	/	/	/	/	/



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

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**DEPARTMENT OF MECHANICAL ENGINEERING**  
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S.NO	SEC	REG. NO	NAME	YEAR	25.01.2017	30.01.2017	31.01.2017	01.02.2017	02.02.2017
1	C	611214114003	AKSHAY.V	III/VI	/	/	/	/	/
2	A	611214114004	ABISHEK A G	III/VI	/	/	/	/	/
3	B	611214114006	ANWARBASHA. N	III/VI	/	/	/	/	/
4	A	611214114011	ARUN.V	III/VI	/	/	/	/	/
5	D	611214114019	BALAJI M	III/VI	/	/	/	/	/
6	D	611214114021	BALAMURALI KRISHNAN V	III/VI	/	/	/	/	/
7	D	611214114022	BALUMAHENDRAN B	III/VI	/	/	/	/	/
8	B	611214114024	DEENADAYALAN.H	III/VI	/	/	/	/	/
9	A	611214114027	DHARMAPRAKASH.M	III/VI	/	/	/	/	/
10	A	611214114028	DHATCHINAMOORTHY S	III/VI	/	/	/	/	/
11	D	611214114031	DINESH G	III/VI	/	/	/	/	/
12	D	611214114033	DINESH KUMAR P	III/VI	/	/	/	/	/
13	D	611214114034	DINESH KUMAR S	III/VI	/	/	/	/	/
14	A	611214114035	EZHILARASAN.A	III/VI	/	/	/	/	/
15	A	611214114036	GANESHANAND T M	III/VI	/	/	/	/	/
16	D	611214114037	GANESHKUMAR S	III/VI	a	a	/	/	/
17	D	611214114038	GIRIDHARAN M	III/VI	/	/	/	/	/
18	B	611214114039	GOKULA KRISHNAN.S	III/VI	/	/	/	/	/
19	D	611214114040	GOKULMUTHU M	III/VI	/	/	/	/	/
20	D	611214114041	GOKULNATH J	III/VI	/	/	/	/	/
21	D	611214114042	GOKUL RAJ B	III/VI	/	/	/	/	/
22	B	611214114044	GOKULRAJ.J	III/VI	/	/	/	/	/
23	A	611214114045	GOKULRAJ K	III/VI	/	/	a	/	/
24	D	611214114046	GOKULRAJ P	III/VI	/	/	/	/	/
25	A	611214114047	GOKULRAJ R	III/VI	/	/	/	/	/
26	D	611214114048	GOKUL RAJ S	III/VI	/	/	/	/	/
27	B	611214114049	GOKULRAJ.V	III/VI	/	/	a	/	/
28	A	611214114051	GOPINATH.A	III/VI	/	/	/	/	/
29	B	611214114052	GOPINATH C M	III/VI	/	/	/	/	/
30	D	611214114053	GOWDAMAN S	III/VI	/	/	/	/	/
31	A	611214114054	GOWTHAM.C	III/VI	/	/	/	/	/
32	B	611214114055	GOWTHAM T	III/VI	/	/	/	/	/
33	D	611214114056	GOWTHAMAN S	III/VI	/	/	/	/	/
34	A	611214114057	GUNASEKARAN N	III/VI	/	/	/	/	/
35	D	611214114058	GURUNATHAN P	III/VI	/	/	/	/	/
36	B	611214114059	HARI.G	III/VI	/	/	/	/	/
37	D	611214114060	HARIHARAN K B	III/VI	/	/	/	/	/
38	A	611214114061	HARIHARAN M	III/VI	/	/	/	/	/
39	B	611214114064	JAGATHISH.S	III/VI	/	/	/	/	/
40	A	611214114067	JEEVA HARIHARAN P.V	III/VI	/	/	/	/	/
41	B	611214114070	KARTHICK D	III/VI	/	/	/	/	/
42	C	611214114071	KARTHICK.M	III/VI	/	/	/	/	/
43	A	611214114072	KARTHIK G	III/VI	/	/	/	/	/

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44	A	611214114073	KARTHIK.T	III/VI	/	/	/	/	/
45	B	611214114076	KARTHIKKRAJA.J.K	III/VI	/	/	/	/	/
46	B	611214114077	KARTHIKRAJ R	III/VI	/	/	/	/	/
47	B	611214114078	KARUNAKARAN.V	III/VI	/	/	/	/	/
48	D	611214114081	KAVIBARATHI V	III/VI	/	/	/	/	/
49	A	611214114082	KAVIN KUMAR VADIVEL.V	III/VI	/	/	/	/	/
50	C	611214114083	KIRUBAKARAN.S	III/VI	/	/	/	/	/
51	C	611214114087	KUMAR.M	III/VI	/	/	/	/	/
52	C	611214114088	KUPPURAJ.S	III/VI	/	/	/	/	/
53	B	611214114089	LAVANYA L	III/VI	/	/	/	/	/
54	A	611214114093	MALLIGARAJ V	III/VI	/	/	/	/	/
55	A	611214114095	MANIKANDAN.G	III/VI	/	/	/	/	/
56	C	611214114096	MANIKANDAN.K	III/VI	/	/	/	/	/
57	B	611214114097	MANIKANDAN.L	III/VI	/	/	/	/	/
58	B	611214114101	MANI VASAGAM.J	III/VI	/	/	/	/	/
59	D	611214114102	MANIVELRAJA R	III/VI	/	/	/	/	/
60	C	611214114103	MANOJA	III/VI	/	/	/	/	/
61	C	611214114106	MATHU PRASATH.R	III/VI	/	/	/	/	/
62	C	611214114110	MOHAMMED JAVITH.Y	III/VI	/	/	/	/	/
63	C	611214114111	MOHAN PRASATH. K.C	III/VI	/	/	/	/	/
64	C	611214114117	MUTHUKUMARAN.M	III/VI	/	a	/	/	/
65	C	611214114119	MUTHUVEL.S	III/VI	/	/	/	/	/
66	D	611214114120	NAGARAJAN N	III/VI	/	/	a	/	/
67	B	611214114123	NAVEEN.V	III/VI	/	/	/	/	/
68	C	611214114124	NAVEEN KUMARA	III/VI	/	/	/	/	/
69	C	611214114136	PRAGATHI.B	III/VI	/	/	/	/	/
70	B	611214114153	RESHMA S	III/VI	/	/	/	/	/
71	D	611214114173	SIBICHANDAN S S	III/VI	/	/	/	/	/
72	C	611214114196	VENGATA SUDARSHAN.R.R	III/VI	/	/	/	/	/
73	D	611214114199	VENKATESH R	III/VI	/	/	/	/	/
74	C	611214114205	VIJAY.A.K.V	III/VI	/	/	/	/	/
75	D	611214114215	YOGESHWAR P	III/VI	/	/	/	/	/
76	A	611214114302	AJEETH KUMAR M	III/VI	/	/	/	/	/
77	B	611214114303	ANGURAJ T	III/VI	/	/	/	/	/
78	B	611214114307	BALAN S	III/VI	/	/	a	/	/
79	B	611214114309	DHAMOTHARAN A	III/VI	/	/	/	/	/
80	B	611214114310	DINESHKUMAR R	III/VI	/	/	/	/	/
81	D	611214114311	ELANGO BHARATHI N	III/VI	/	/	/	/	/
82	B	611214114314	IDUMBAN R	III/VI	/	/	/	/	/
83	C	611214114315	JAYAPRAKASH. B	III/VI	/	/	/	/	/
84	A	611214114318	KARTHIC.M	III/VI	/	/	/	/	/
85	C	611214114321	MADHESHWARAN.S	III/VI	/	/	/	/	/
86	C	611214114326	MOHAN RAJ.G	III/VI	/	/	/	/	/
87	C	611214114327	MUTHUKUMAR.G	III/VI	/	/	/	/	/
88	B	611214114334	PRAKASHRAJ P	III/VI	/	/	/	/	/
89	B	611214114341	SATHYAN A	III/VI	/	/	/	/	/
90	C	611214114350	VIGNESH.N	III/VI	/	/	/	/	/
No. of Students Present					89	89	86	90	90
No. of Students Absent					01	01	04	-	-
Faculty Signature					<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]*  
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*[Signature]*  
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**EVALUATION FORM-CERTIFICATE COURSE**

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

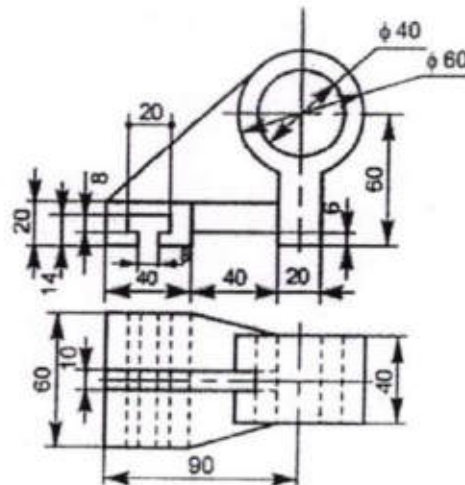
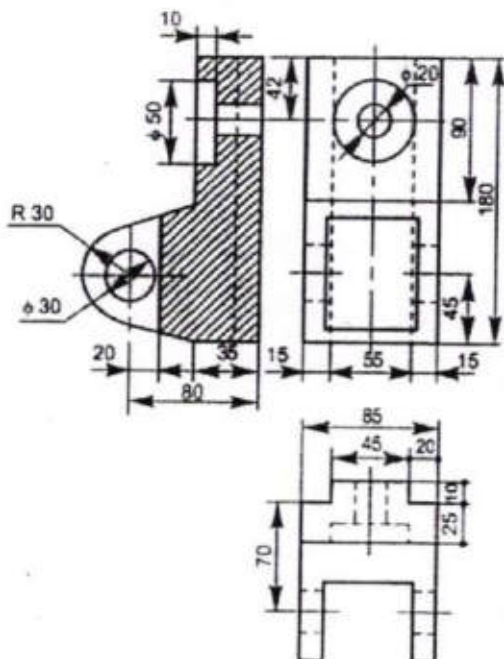
Name: Hari. G

Reg. No: 611214114059

Year/Sem/Sec: II/VI - B

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	35
2	PART-B (PART DESIGN)	50	45
TOTAL MARKS		100	75



*PK*

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

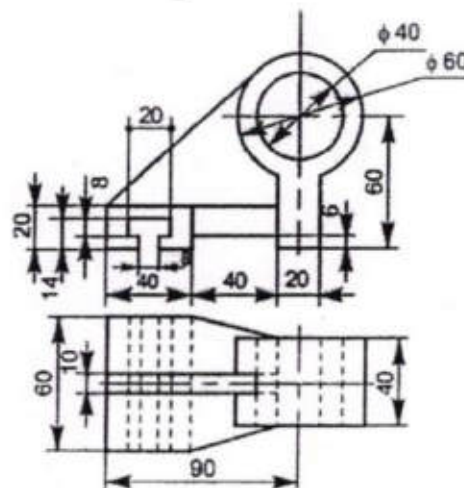
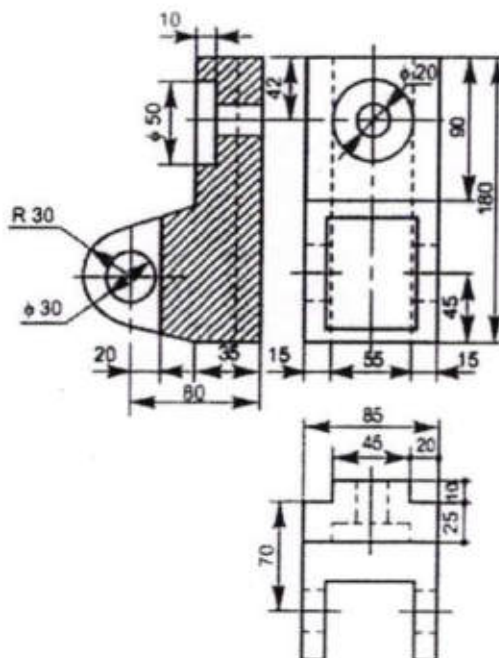
Name: GTOKULRAJ.V

Reg. No: 611214114049

Year/Sem/Sec: II/VI - B

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	40
2	PART-B (PART DESIGN)	50	45
TOTAL MARKS		100	95



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

Name: Dhatchinamoorthy .S

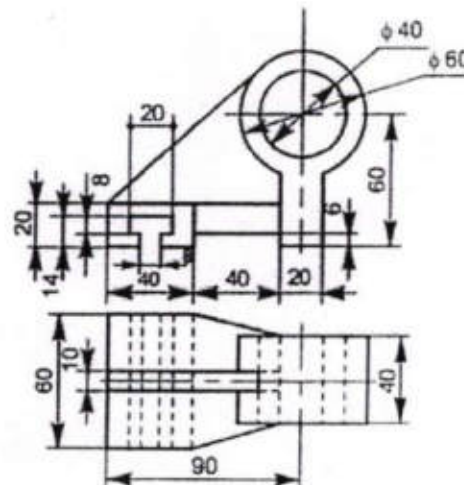
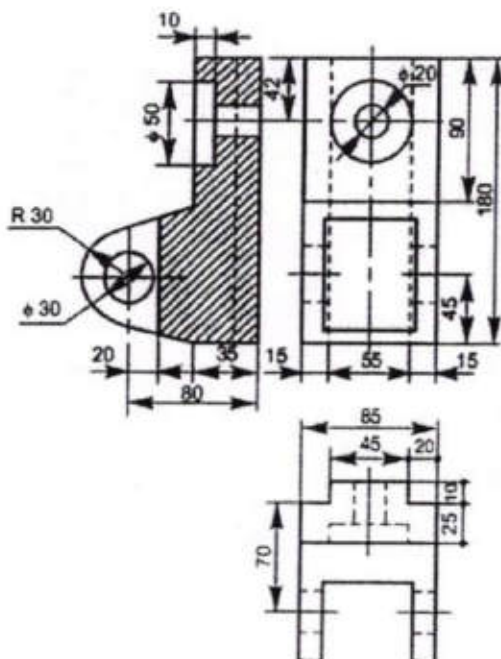
Reg. No: 611214114028

Year/Sem/Sec: III/V1-B

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	30
2	PART-B (PART DESIGN)	50	35
TOTAL MARKS		100	75

*PM*



*PM*

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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

Name: **ARUN.V**

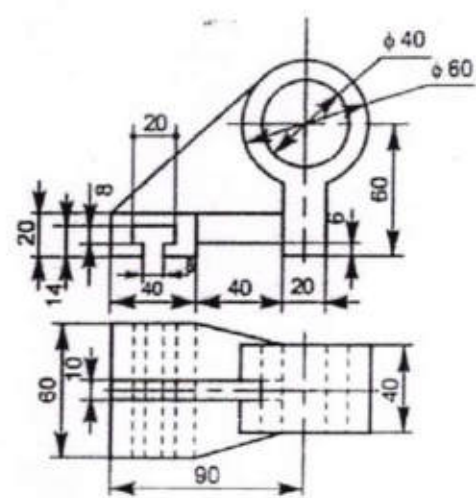
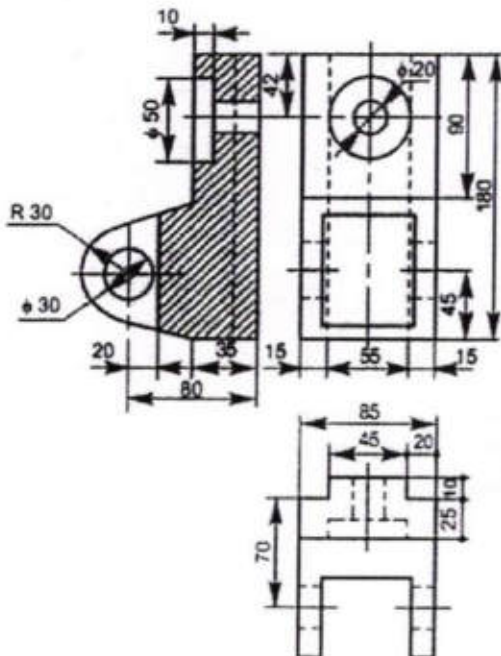
Reg. No: **611214114011**

Year/Sem/Sec: **III / VI - A**

**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

*22*



*Pm*



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

Name: Arindhanan S

Reg. No: 611214114038

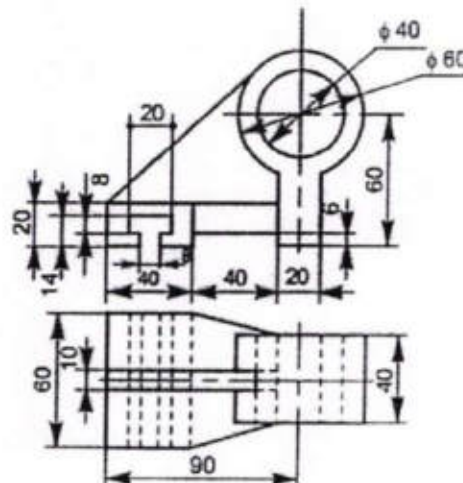
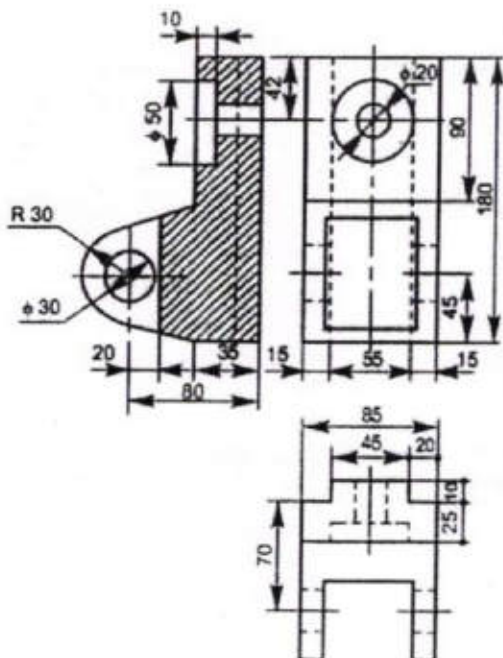
Year/Sem/Sec: III / III / B

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	40
2	PART-B (PART DESIGN)	50	40
TOTAL MARKS		100	80

*Handwritten mark*

1



*Handwritten signature*



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DEPARTMENT OF MECHANICAL ENGINEERING

HARITA TECH SERV-CERTIFICATE COURSE

SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE

EVALUATION MARK LIST

02.02.2017

S.NO	SEC	REG. NO	NAME	YEAR	Marks (100)
1	C	611214114003	AKSHAY.V	III/VI	85
2	A	611214114004	ABISHEK A G	III/VI	80
3	B	611214114006	ANWARBASHA. N	III/VI	95
4	A	611214114011	ARUN.V	III/VI	90
5	D	611214114019	BALAJI M	III/VI	75
6	D	611214114021	BALAMURALI KRISHNAN V	III/VI	70
7	D	611214114022	BALUMAHENDRAN B	III/VI	80
8	B	611214114024	DEENADAYALAN.H	III/VI	85
9	A	611214114027	DHARMAPRAKASH.M	III/VI	90
10	A	611214114028	DHATCHINAMOORTHY S	III/VI	95
11	D	611214114031	DINESH G	III/VI	75
12	D	611214114033	DINESH KUMAR P	III/VI	80
13	D	611214114034	DINESH KUMAR S	III/VI	90
14	A	611214114035	EZHILARASAN.A	III/VI	95
15	A	611214114036	GANESHANAND T M	III/VI	65
16	D	611214114037	GANESHKUMAR S	III/VI	60
17	D	611214114038	GIRIDHARAN M	III/VI	80
18	B	611214114039	GOKULA KRISHNAN.S	III/VI	70
19	D	611214114040	GOKULMUTHU M	III/VI	75
20	D	611214114041	GOKULNATH J	III/VI	80
21	D	611214114042	GOKUL RAJ B	III/VI	95
22	B	611214114044	GOKULRAJ J	III/VI	90
23	A	611214114045	GOKULRAJ K	III/VI	85
24	D	611214114046	GOKULRAJ P	III/VI	80
25	A	611214114047	GOKULRAJ R	III/VI	70
26	D	611214114048	GOKUL RAJ S	III/VI	75
27	B	611214114049	GOKULRAJ.V	III/VI	95
28	A	611214114051	GOPINATH.A	III/VI	65
29	B	611214114052	GOPINATH C M	III/VI	70
30	D	611214114053	GOWDAMAN S	III/VI	80
31	A	611214114054	GOWTHAM.C	III/VI	90
32	B	611214114055	GOWTHAM T	III/VI	75
33	D	611214114056	GOWTHAMAN S	III/VI	85
34	A	611214114057	GUNASEKARAN N	III/VI	95
35	D	611214114058	GURUNATHAN P	III/VI	90
36	B	611214114059	HARI.G	III/VI	75

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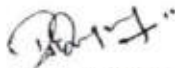


37	D	611214114060	HARIHARAN K B	III/VI	85
38	A	611214114061	HARIHARAN M	III/VI	80
39	B	611214114064	JAGATHISH.S	III/VI	75
40	A	611214114067	JEEVA HARIHARAN P.V	III/VI	70
41	B	611214114070	KARTHICK D	III/VI	80
42	C	611214114071	KARTHICK.M	III/VI	90
43	A	611214114072	KARTHIK G	III/VI	95
44	A	611214114073	KARTHIK.T	III/VI	70
45	B	611214114076	KARTHKKRAJA.J.K	III/VI	75
46	B	611214114077	KARTHIKRAJ R	III/VI	80
47	B	611214114078	KARUNAKARAN.V	III/VI	85
48	D	611214114081	KAVIBARATHI V	III/VI	90
49	A	611214114082	KAVIN KUMAR VADIVEL.V	III/VI	95
50	C	611214114083	KIRUBAKARAN.S	III/VI	85
51	C	611214114087	KUMAR.M	III/VI	70
52	C	611214114088	KUPPURAJ.S	III/VI	75
53	B	611214114089	LAVANYA L	III/VI	60
54	A	611214114093	MALLIGARAJ V	III/VI	65
55	A	611214114095	MANIKANDAN.G	III/VI	70
56	C	611214114096	MANIKANDAN.K	III/VI	75
57	B	611214114097	MANIKANDAN.L	III/VI	85
58	B	611214114101	MANI VASAGAM.J	III/VI	90
59	D	611214114102	MANIVELRAJA R	III/VI	95
60	C	611214114103	MANOJA	III/VI	90
61	C	611214114106	MATHU PRASATH.R	III/VI	80
62	C	611214114110	MOHAMMED JAVITH.Y	III/VI	90
63	C	611214114111	MOHAN PRASATH. K.C	III/VI	75
64	C	611214114117	MUTHUKUMARAN.M	III/VI	80
65	C	611214114119	MUTHUVEL.S	III/VI	90
66	D	611214114120	NAGARAJAN N	III/VI	70
67	B	611214114123	NAVEEN.V	III/VI	80
68	C	611214114124	NAVEEN KUMAR.A	III/VI	85
69	C	611214114136	PRAGATHI.B	III/VI	70
70	B	611214114153	RESHMA S	III/VI	75
71	D	611214114173	SIBICHANDAN S S	III/VI	60
72	C	611214114196	VENGATA SUDARSHAN.R.R	III/VI	85
73	D	611214114199	VENKATESH R	III/VI	80
74	C	611214114205	VIJAY.A.K.V	III/VI	90
75	D	611214114215	YOGESHWAR P	III/VI	95
76	A	611214114302	AJEETH KUMAR M	III/VI	85
77	B	611214114303	ANGURAJ T	III/VI	75
78	B	611214114307	BALAN S	III/VI	70
79	B	611214114309	DHAMOTHARAN A	III/VI	65
80	B	611214114310	DINESHKUMAR R	III/VI	80



02.02.2017

81	D	611214114311	ELANGO BHARATHI N	III/VI	85
82	B	611214114314	IDUMBAN R	III/VI	90
83	C	611214114315	JAYAPRAKASH. B	III/VI	95
84	A	611214114318	KARTHIC.M	III/VI	70
85	C	611214114321	MADHESHWARAN.S	III/VI	85
86	C	611214114326	MOHAN RAJ.G	III/VI	75
87	C	611214114327	MUTHUKUMAR.G	III/VI	70
88	B	611214114334	PRAKASHRAJ P	III/VI	80
89	B	611214114341	SATHYAN A	III/VI	90
90	C	611214114350	VIGNESH.N	III/VI	85



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In recognition of successful completion of

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Conducted by “CRCPDT-Harita Techserv Limited” from 17.01.2017 to 02.02.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

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Akshayaram (PO) Salem - 637 504

**Mr.M.Sathyanathan**  
Coordinator

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

**Dr.PSS.Srinivasan**  
Principal

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





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

  
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**Mr.M.Sathyanathan**  
Coordinator

  
**Dr.K.Visagavel**  
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**GOKULA KRISHNAN.S (6112114114039)**

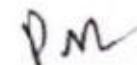
In recognition of successful completion of

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**Mr.M.Sathyanathan**  
Coordinator

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

  
**Dr.PSS.Srinivasan**  
Principal

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

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





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TECHNOLOGY**

**HARITA TECHSERV  
LIMITED**



## ***Certificate of Completion***

This certificate is awarded to  
**KARTHICK.M (6112114114071)**

In recognition of successful completion of

**“SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 17.01.2017 to 02.02.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

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

*ksk*  
**Mr.M.Sathyanathan**  
Coordinator

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

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

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



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## ***Certificate of Completion***

This certificate is awarded to

**BALAJI.M (611214114019)**

In recognition of successful completion of

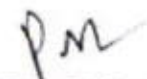
**“SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE”**

Conducted by “CRCPDT-Harita Techserv Limited” from 17.01.2017 to 02.02.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

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

  
Mr. M. Sathyanathan  
Coordinator

  
Dr. K. Visagavel  
HOD/Mechanical

  
Dr. PSS. Srinivasan  
Principal

  
R. Shankarnarayanan  
COO/Harita Techserv Limited





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NX CAD software

Name: Karthick.D

Year/Sem/Sec: III/VI/B

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to NX CAD	✓				
2	Sketcher		✓			
3	Part Modeling			✓		
4	Assembly Design	✓	✓			
5	Course content and Hands on Experience of NX CAD		✓			
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

Need more classes.  
More Explanations.

Signature of the Candidate



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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NX CAD software

Name: Gopinath.A

Year/Sem/Sec: III/VI/A

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to NX CAD		✓			
2	Sketcher	✓				
3	Part Modeling			✓		
4	Assembly Design		✓			
5	Course content and Hands on Experience of NX CAD	✓				
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

It is useful and need for more better teaching.

  
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A. Gopinath.  
Signature of the Candidate





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NX CAD software

Name: Gokul Raj.k

Year/Sem/Sec: III / VI / A

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to NX CAD	✓				
2	Sketcher		✓			
3	Part Modeling		✓			
4	Assembly Design	✓				
5	Course content and Hands on Experience of NX CAD	✓				
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

problems are easy to solve, so give critical sums to solve.

*PR*

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*K. Gokul Raj*

Signature of the Candidate



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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NX CAD software

Name: *Dinesh.G*

Year/Sem/Sec: *III / VI / D*

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to NX CAD	<input checked="" type="checkbox"/>				
2	Sketcher	<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 NX CAD		<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

*Should give Critical design for more experience.*

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*Dinesh.G*  
Signature of the Candidate





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using NX CAD software

Name: AKshay.v

Year/Sem/Sec: III / VI / C

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to NX CAD	✓				
2	Sketcher		✓			
3	Part Modeling	✓				
4	Assembly Design			✓		
5	Course content and Hands on Experience of NX CAD		✓			
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

More practice needed, More tutorial needed.

*pu*

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

*Akshay.v*

Signature of the Candidate



*Regional Knowledge*

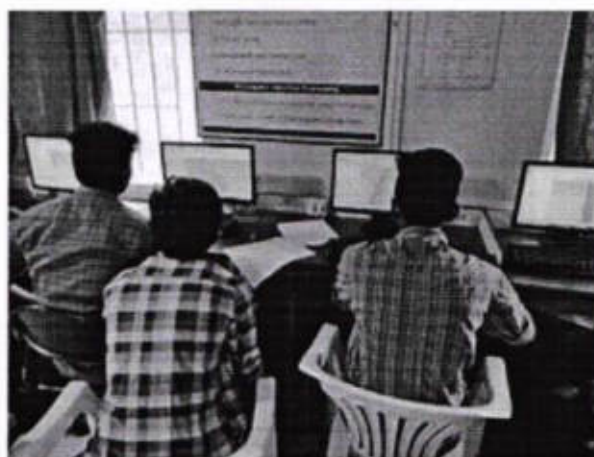
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Approved by AICTE, Affiliated to Anna University, Chennai.

**Report of Program / Event Conducted**

Name of the Program / Event	Solid Modeling (Level-1) using CATIA software		
Resource Person details	Mr.C.Eswaramoorthy Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	II Students= 90
Date, Time and Venue	17.01.2017 – 02.02.2017 COE – CRCPDT, A-Block, KIOT.		

**Description of the program**

1. He discussed about 4 features of CATIA software. It contains CATIA basic 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). He shared his personal experiences and difficulties he faced in his Industrial Career.



*PM*

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




From

Dr.H.Abdul Zubar,  
Associate Professor,  
Department of Mechanical Engineering,  
Knowledge Institute of Technology,  
Salem.

To

The Principal,  
Knowledge Institute of Technology,  
Salem

HOD  
permitted  


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.

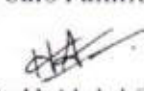
Thanking You

Salem

03.01.2017

Forwarded to the Principal  


Yours Faithfully

  
Dr.H.Abdul Zubar

  
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Knowledge Institute of Technology  
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CIRCULAR


Circular No.		Date	03.01.2017
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. 17.01.2017 – 02.02.2017	Mr.C.Eswaramoorthy 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 I/c

  
HOD

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

17.01.2017 to 02.02.2017



*Beyond Knowledge*

Organized by

Department of Mechanical Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.

[www.kiot.ac.in](http://www.kiot.ac.in)

in association with



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### About KIOT

Knowledge Institute of Technology (KIOT) is a brain-child of 22 eminent professors from leading engineering colleges and 20 first generation entrepreneurs with a vision to build our nation through quality education. KIOT was established in 2009 with noble vision and mission of Dr.PSS.Srinivasan, who is leading this institution. He has a total of 26 years experience in teaching and research, supervised 14 Ph.Ds, supervising 2 Ph.D. scholars, and published over 200 research articles in International and National forums.

Vision of KIOT is to become one among the top 500 best universities in the world by 2035. KIOT has emerged as one among the best in class institutions in our region and performing in all the domain such as Academics, Research, Consultancy works and Training and Placement within a short span of 8 years. As a proven record, in the year 2016-17, based on single window system by Anna University, KIOT counselling seats were filled in second position in salem district and one among top 5 in the region. KIOT has a placement record of more than 90% students' placement before leaving the campus in the last three years. The institute has a team of 215 dedicated faculty members, 17 faculty with Ph.D, and 25 faculty pursuing their research. Knowledge Business School Salem (KBSS) is the sister institution situated in the same KIOT Campus, which offers best in class MBA programme.

### 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.

Department of Mechanical Engineering is one of the vibrant departments of KIOT, which offers B.E Mechanical Engineering and M.E Industrial Safety Engineering. The Department is rich in term of faculty members with an average teaching experience of 9 years and research exposure of 4 years. The Department has a team of 53 dedicated members of faculty, 6 with Ph.D and 6 pursuing their research. The Department has established industrial collaborative research centres with Harita Techserv Pvt., Ltd., Bahwan CyberTek Pvt., Ltd., Seven Standards Industrial Solution 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,

Replicate, 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**



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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**

<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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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

*Pm*

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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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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

*pm*

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



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  <i>Pm</i>

**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

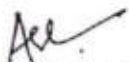
6.3	Rolled wall Bending Bend, Conical bend Bend from flat, Folding, Unfolding Point	1	2	-	Day 6
6.4	Curve mapping Cutting and stamping Pocket Hole, Circular cutout, corner relief, Fillet, Chamfer.	1	2	-	Day 7

**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

  
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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	C	611215114005	AJAY THILAK G	II/IV	
2	C	611215114006	AJITHKUMAR G	II/IV	
3	B	611215114007	ANBARASU.P	II/IV	
4	C	611215114008	ARAVIND G	II/IV	
5	B	611215114009	ARAVIND KUMAR K	II/IV	
6	C	611215114015	ARUN PRAKASH B	II/IV	
7	D	611215114017	ASWATHY B	II/IV	
8	D	611215114020	BASKAR M	II/IV	
9	C	611215114023	BHARATH M	II/IV	
10	C	611215114024	BHARATH RAJ M	II/IV	
11	C	611215114025	BOOBALAN R	II/IV	
12	C	611215114028	CHANDRU S	II/IV	
13	A	611215114029	DEVARAJ K M	II/IV	
14	A	611215114031	DHANESH KUMAR P	II/IV	
15	A	611215114032	DHARANI DHARAN R.S	II/IV	
16	A	611215114033	DHARUNKUMAR N	II/IV	
17	C	611215114037	DINAKARAN K	II/IV	
18	C	611215114038	DINESH M	II/IV	
19	A	611215114040	DINESH S	II/IV	
20	A	611215114041	DINESHBABU C	II/IV	
21	A	611215114042	DINESH KUMAR J	II/IV	
22	D	611215114043	DIVYA M B	II/IV	
23	D	611215114044	ELAMUGIL J	II/IV	
24	D	611215114045	GOBI G	II/IV	
25	D	611215114047	GOKULRAJ S	II/IV	
26	B	611215114049	GOKULRAM M	II/IV	
27	D	611215114052	GOWRI SHANKAR E	II/IV	
28	D	611215114054	GOWTHAM P	II/IV	
29	A	611215114055	GOWTHAM U	II/IV	
30	A	611215114056	GOWTHAM V	II/IV	
31	D	611215114057	GOWTHAMAN R	II/IV	



32	D	611215114059	GUKAN A	II/IV	
33	D	611215114060	GURUCHANDRAN V	II/IV	
34	D	611215114062	HARI KRISHNAN M	II/IV	
35	D	611215114063	HARIPRASATH V	II/IV	
36	B	611215114067	JAISELVA S	II/IV	
37	D	611215114068	JANARTHAN R	II/IV	
38	A	611215114069	JANARTHANAN C	II/IV	
39	A	611215114070	JAVID RIZVI J	II/IV	
40	D	611215114071	JEEVANANDHAM J	II/IV	
41	C	611215114072	JEEVANANTHAM P	II/IV	
42	D	611215114073	JEEVANANTHAM R	II/IV	
43	B	611215114074	JIBIN RAJU.M	II/IV	
44	A	611215114075	KALAISELVAN S	II/IV	
45	D	611215114076	KALAIVANI S	II/IV	
46	A	611215114077	KANISHKARAN U	II/IV	
47	C	611215114078	KARTHIKEYAN D	II/IV	
48	C	611215114080	KARTHIKEYAN P	II/IV	
49	B	611215114081	KAVI GOKUL G S	II/IV	
50	B	611215114082	KAVIN P	II/IV	
51	C	611215114084	KAVINESH S	II/IV	
52	A	611215114085	KAVINKUMAR K	II/IV	
53	B	611215114086	KAVIRAJ K	II/IV	
54	D	611215114087	KEERTHINATH B	II/IV	
55	C	611215114088	KEERTHIVASAN R	II/IV	
56	A	611215114090	KIRAN PRASAD R	II/IV	
57	B	611215114100	MANIKANDAN R	II/IV	
58	A	611215114101	MANIKANDAN V	II/IV	
59	D	611215114112	METHA T	II/IV	
60	A	611215114117	MOHAN S P	II/IV	
61	A	611215114122	MOULEESWARAN R	II/IV	
62	B	611215114129	MYDEESH R	II/IV	
63	C	611215114150	PRASANTH G	II/IV	
64	C	611215114151	PRASANTH G R	II/IV	
65	A	611215114153	PRAVEENRAJ A	II/IV	
66	C	611215114155	PRAVIN M	II/IV	
67	A	611215114156	PRAVINKUMAR S	II/IV	
68	B	611215114157	PREMKUMAR K	II/IV	
69	C	611215114159	RAGUL K	II/IV	
70	A	611215114160	RAHUL B	II/IV	
71	A	611215114163	RAJ KUMAR S	II/IV	

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72	C	611215114164	RAMAMOORTHY S	II/IV	
73	C	611215114170	RAVI SHANKAR G	II/IV	
74	A	611215114173	ROOPAN V	II/IV	
75	B	611215114174	SABARINATHAN S	II/IV	
76	C	611215114175	SABARISH S	II/IV	
77	C	611215114176	SANJAYKRISHNA G S	II/IV	
78	C	611215114177	SANJAY KRISHNAA M	II/IV	
79	A	611215114179	SANTHOSH V	II/IV	
80	A	611215114180	SANTHOSHKUMAR K	II/IV	
81	C	611215114181	SANTHOSHKUMAR M	II/IV	
82	A	611215114182	SANTHOSHKUMAR M	II/IV	
83	A	611215114183	SANTHOSHKUMAR N	II/IV	
84	A	611215114184	SANTHOSH KUMAR D	II/IV	
85	D	611215114198	SHATHYAPRAKASH M	II/IV	
86	C	611215114200	SIDDIQ AHAMED S	II/IV	
87	C	611215114201	SIVALINGAM S V	II/IV	
88	A	611215114203	SRIDHAR K S	II/IV	
89	B	611215114236	VIJAYAKANNAN A	II/IV	
90	A	611215114333	RAMAKRISHNAN N	II/IV	

*C. Srinivas*  
FACULTY INCHARGE

*[Signature]*  
HOD

*[Signature]*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kakapalavam (PO) Selem - 637 511

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**  
**TRAINING ATTENDANCE SHEET (17.01.2017 to 02.02.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	17.01.2017	18.01.2017	19.01.2016	20.01.2017	23.01.2017	24.01.2017
1	C	611215114005	AJAY THILAK G	II/IV	/	/	/	/	/	/
2	C	611215114006	AJITHKUMAR G	II/IV	/	/	/	/	/	/
3	B	611215114007	ANBARASU.P	II/IV	/	/	/	/	/	/
4	C	611215114008	ARAVIND G	II/IV	/	/	/	/	/	/
5	B	611215114009	ARAVIND KUMAR K	II/IV	/	/	/	/	/	/
6	C	611215114015	ARUN PRAKASH B	II/IV	/	/	/	/	/	/
7	D	611215114017	ASWATHY B	II/IV	/	/	/	/	/	/
8	D	611215114020	BASKAR M	II/IV	/	a	/	/	/	/
9	C	611215114023	BHARATH M	II/IV	/	a	/	/	/	/
10	C	611215114024	BHARATH RAJ M	II/IV	/	/	/	/	/	/
11	C	611215114025	BOOBALAN R	II/IV	/	/	/	/	/	/
12	C	611215114028	CHANDRU S	II/IV	/	/	/	/	/	/
13	A	611215114029	DEVARAJ K M	II/IV	/	/	/	/	/	/
14	A	611215114031	DHANESH KUMAR P	II/IV	/	/	/	/	/	/
15	A	611215114032	DHARANI DHARAN R.S	II/IV	/	/	/	/	/	/
16	A	611215114033	DHARUNKUMAR N	II/IV	/	/	/	/	/	/
17	C	611215114037	DINAKARAN K	II/IV	/	/	/	/	/	/
18	C	611215114038	DINESH M	II/IV	/	/	/	a	/	/
19	A	611215114040	DINESH S	II/IV	/	/	/	/	/	/
20	A	611215114041	DINESHBABU C	II/IV	/	/	/	/	a	/
21	A	611215114042	DINESH KUMAR J	II/IV	/	/	/	/	/	/
22	D	611215114043	DIVYA M B	II/IV	/	/	/	/	/	/
23	D	611215114044	ELAMUGIL J	II/IV	/	/	/	/	/	/
24	D	611215114045	GOBI G	II/IV	/	/	/	/	/	/
25	D	611215114047	GOKULRAJ S	II/IV	/	/	/	/	/	/
26	B	611215114049	GOKULRAM M	II/IV	/	/	/	/	/	/
27	D	611215114052	GOWRI SHANKAR E	II/IV	/	/	/	/	/	/
28	D	611215114054	GOWTHAM P	II/IV	/	/	/	/	/	/
29	A	611215114055	GOWTHAM U	II/IV	/	/	/	/	/	/
30	A	611215114056	GOWTHAM V	II/IV	/	/	/	/	/	/
31	D	611215114057	GOWTHAMAN R	II/IV	/	/	/	/	/	/
32	D	611215114059	GUKAN A	II/IV	/	/	/	/	/	/
33	D	611215114060	GURUCHANDRAN V	II/IV	/	/	/	/	/	/
34	D	611215114062	HARI KRISHNAN M	II/IV	/	/	/	/	/	/
35	D	611215114063	HARIPRASATH V	II/IV	/	/	/	/	/	/
36	B	611215114067	JAISELVA S	II/IV	/	/	/	/	/	/
37	D	611215114068	JANARTHAN R	II/IV	/	/	/	/	/	/
38	A	611215114069	JANARTHANAN C	II/IV	/	/	/	/	/	/
39	A	611215114070	JAVID RIZVI J	II/IV	/	/	/	/	/	/
40	D	611215114071	JEEVANANDHAM J	II/IV	/	/	/	/	/	/
41	C	611215114072	JEEVANANTHAM P	II/IV	/	/	/	/	/	/
42	D	611215114073	JEEVANANTHAM R	II/IV	/	/	/	/	a	/
43	B	611215114074	JIBIN RAJU.M	II/IV	/	/	/	/	/	/
44	A	611215114075	KALAISELVAN S	II/IV	/	/	/	/	/	/
45	D	611215114076	KALAIVANI S	II/IV	/	/	/	/	/	/

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46	A	611215114077	KANISHKARAN U	II/IV	/	/	/	/	/	/
47	C	611215114078	KARTHIKEYAN D	II/IV	/	/	/	/	/	/
48	C	611215114080	KARTHIKEYAN P	II/IV	/	/	/	/	/	/
49	B	611215114081	KAVI GOKUL G S	II/IV	/	/	/	/	/	/
50	B	611215114082	KAVIN P	II/IV	/	/	/	/	/	/
51	C	611215114084	KAVINESH S	II/IV	/	/	/	/	/	/
52	A	611215114085	KAVINKUMAR K	II/IV	/	/	/	/	/	/
53	B	611215114086	KAVIRAJ K	II/IV	/	/	/	/	/	/
54	D	611215114087	KEERTHINATH B	II/IV	/	/	/	/	/	/
55	C	611215114088	KEERTHIVASAN R	II/IV	/	/	/	/	/	/
56	A	611215114090	KIRAN PRASAD R	II/IV	/	/	/	/	/	/
57	B	611215114100	MANIKANDAN R	II/IV	/	/	/	/	/	/
58	A	611215114101	MANIKANDAN V	II/IV	/	/	/	/	/	/
59	D	611215114112	METHA T	II/IV	/	/	/	/	/	/
60	A	611215114117	MOHAN S P	II/IV	/	/	/	/	/	/
61	A	611215114122	MOULEESWARAN R	II/IV	/	a	/	/	/	/
62	B	611215114129	MYDEESH R	II/IV	/	/	/	/	/	/
63	C	611215114150	PRASANTH G	II/IV	/	/	/	/	/	/
64	C	611215114151	PRASANTH G R	II/IV	/	/	/	/	/	/
65	A	611215114153	PRAVEENRAJ A	II/IV	/	/	/	/	/	/
66	C	611215114155	PRAVIN M	II/IV	/	/	/	/	/	/
67	A	611215114156	PRAVINKUMAR S	II/IV	/	/	/	/	/	/
68	B	611215114157	PREMKUMAR K	II/IV	/	/	/	/	/	/
69	C	611215114159	RAGUL K	II/IV	/	/	/	/	/	/
70	A	611215114160	RAHUL B	II/IV	/	a	/	/	/	/
71	A	611215114163	RAJ KUMAR S	II/IV	/	/	/	/	/	/
72	C	611215114164	RAMAMOORTHY S	II/IV	/	/	/	/	/	/
73	C	611215114170	RAVI SHANKAR G	II/IV	/	/	/	/	/	/
74	A	611215114173	ROOPAN V	II/IV	/	/	/	/	/	/
75	B	611215114174	SABARINATHAN S	II/IV	/	/	/	/	/	/
76	C	611215114175	SABARISH S	II/IV	/	/	/	a	/	/
77	C	611215114176	SANJAYKRISHNA G S	II/IV	/	/	/	/	/	/
78	C	611215114177	SANJAY KRISHNA A M	II/IV	/	/	/	/	/	/
79	A	611215114179	SANTHOSH V	II/IV	/	/	/	/	/	/
80	A	611215114180	SANTHOSHKUMAR K	II/IV	/	/	/	/	/	/
81	C	611215114181	SANTHOSHKUMAR M	II/IV	/	/	/	/	/	/
82	A	611215114182	SANTHOSHKUMAR M	II/IV	/	/	/	/	/	/
83	A	611215114183	SANTHOSHKUMAR N	II/IV	/	/	/	/	/	/
84	A	611215114184	SANTHOSH KUMAR D	II/IV	/	/	/	/	a	/
85	D	611215114198	SHATHYAPRAKASH M	II/IV	/	/	/	/	/	/
86	C	611215114200	SIDDIQ AHAMED S	II/IV	/	/	/	/	/	/
87	C	611215114201	SIVALINGAM S V	II/IV	/	/	/	/	/	/
88	A	611215114203	SRIDHAR K S	II/IV	/	/	/	/	/	/
89	B	611215114236	VIJAYAKANNAN A	II/IV	/	/	/	/	/	/
90	A	611215114333	RAMAKRISHNAN N	II/IV	/	/	/	/	/	/
No. of Students Present					90	86	90	88	88	90
No. of Students Absent					-	04	-	02	02	-
Faculty Signature										

*C. S. S.*  
FACULTY INCHARGE

*[Signature]*  
HOD MECHANICAL

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Akhalavam (PO) Salem - 637 514



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**HARITA TECH SERV-CERTIFICATE COURSE**  
**SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE**  
**TRAINING ATTENDANCE SHEET (17.01.2017 to 02.02.2017)**

S.NO	SEC	REG. NO	NAME	YEAR	25.01.2017	30.01.2017	31.01.2017	01.02.2017	02.02.2017
1	C	611215114005	AJAY THILAK G	II/IV	/	/	/	/	/
2	C	611215114006	AJITHKUMAR G	II/IV	/	a	a	/	/
3	B	611215114007	ANBARASU.P	II/IV	/	/	/	/	/
4	C	611215114008	ARAVIND G	II/IV	/	/	/	/	/
5	B	611215114009	ARAVIND KUMAR K	II/IV	/	/	/	/	/
6	C	611215114015	ARUN PRAKASH B	II/IV	/	/	/	/	/
7	D	611215114017	ASWATHY B	II/IV	/	/	/	/	/
8	D	611215114020	BASKAR M	II/IV	/	/	/	/	/
9	C	611215114023	BHARATH M	II/IV	/	/	/	/	/
10	C	611215114024	BHARATH RAJ M	II/IV	/	/	/	/	/
11	C	611215114025	BOOBALAN R	II/IV	/	/	/	/	/
12	C	611215114028	CHANDRU S	II/IV	/	/	/	/	/
13	A	611215114029	DEVARAJ K M	II/IV	/	/	/	/	/
14	A	611215114031	DHANESH KUMAR P	II/IV	/	/	/	/	/
15	A	611215114032	DHARANI DHARAN R.S	II/IV	/	/	/	/	/
16	A	611215114033	DHARUNKUMAR N	II/IV	/	/	/	/	/
17	C	611215114037	DINAKARAN K	II/IV	/	/	/	/	/
18	C	611215114038	DINESH M	II/IV	/	a	/	/	/
19	A	611215114040	DINESH S	II/IV	/	/	a	/	/
20	A	611215114041	DINESHBABU C	II/IV	/	/	/	/	/
21	A	611215114042	DINESH KUMAR J	II/IV	/	/	/	/	/
22	D	611215114043	DIVYA M B	II/IV	/	/	/	/	/
23	D	611215114044	ELAMUGIL J	II/IV	/	/	/	/	/
24	D	611215114045	GOBI G	II/IV	/	/	/	/	/
25	D	611215114047	GOKULRAJ S	II/IV	/	/	/	/	/
26	B	611215114049	GOKULRAM M	II/IV	/	/	/	a	/
27	D	611215114052	GOWRI SHANKAR E	II/IV	/	/	/	/	/
28	D	611215114054	GOWTHAM P	II/IV	/	/	/	/	/
29	A	611215114055	GOWTHAM U	II/IV	/	/	/	/	/
30	A	611215114056	GOWTHAM V	II/IV	/	/	/	/	/
31	D	611215114057	GOWTHAMAN R	II/IV	/	/	/	/	/
32	D	611215114059	GUKAN A	II/IV	/	/	/	/	/
33	D	611215114060	GURUCHANDRAN V	II/IV	/	/	/	/	/
34	D	611215114062	HARI KRISHNAN M	II/IV	/	/	/	/	/
35	D	611215114063	HARIPRASATH V	II/IV	/	/	/	/	/
36	B	611215114067	JAISELVA S	II/IV	/	/	/	/	/
37	D	611215114068	JANARTHAN R	II/IV	/	/	/	/	/
38	A	611215114069	JANARTHANAN C	II/IV	/	/	/	/	/
39	A	611215114070	JAVID RIZVI J	II/IV	/	/	/	/	/
40	D	611215114071	JEEVANANDHAM J	II/IV	/	/	/	/	/
41	C	611215114072	JEEVANANTHAM P	II/IV	/	/	/	/	/
42	D	611215114073	JEEVANANTHAM R	II/IV	/	/	/	/	/
43	B	611215114074	JIBIN RAJU.M	II/IV	/	/	/	/	/

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PRINCIPAL,



44	A	611215114075	KALAISELVAN S	II/IV	/	/	/	/	/
45	D	611215114076	KALAIVANI S	II/IV	/	/	/	/	/
46	A	611215114077	KANISHKARAN U	II/IV	/	/	/	/	/
47	C	611215114078	KARTHIKEYAN D	II/IV	/	/	/	/	/
48	C	611215114080	KARTHIKEYAN P	II/IV	/	/	/	/	/
49	B	611215114081	KAVI GOKUL G S	II/IV	/	/	/	/	/
50	B	611215114082	KAVIN P	II/IV	/	/	/	/	/
51	C	611215114084	KAVINESH S	II/IV	/	/	/	/	/
52	A	611215114085	KAVINKUMAR K	II/IV	/	/	/	/	/
53	B	611215114086	KAVIRAJ K	II/IV	/	/	/	/	/
54	D	611215114087	KEERTHINATH B	II/IV	/	/	/	/	/
55	C	611215114088	KEERTHIVASAN R	II/IV	/	/	/	/	/
56	A	611215114090	KIRAN PRASAD R	II/IV	/	/	/	/	/
57	B	611215114100	MANIKANDAN R	II/IV	/	/	/	/	/
58	A	611215114101	MANIKANDAN V	II/IV	a	/	/	/	/
59	D	611215114112	METHA T	II/IV	/	/	/	/	/
60	A	611215114117	MOHAN S P	II/IV	/	/	a	a	/
61	A	611215114122	MOULEESWARAN R	II/IV	/	/	/	/	/
62	B	611215114129	MYDEESH R	II/IV	/	/	/	/	/
63	C	611215114150	PRASANTH G	II/IV	/	/	/	/	/
64	C	611215114151	PRASANTH G R	II/IV	/	/	/	/	/
65	A	611215114153	PRAVEENRAJ A	II/IV	/	/	/	/	/
66	C	611215114155	PRAVIN M	II/IV	/	/	/	/	/
67	A	611215114156	PRAVINKUMAR S	II/IV	/	/	/	/	/
68	B	611215114157	PREMKUMAR K	II/IV	/	/	/	/	/
69	C	611215114159	RAGUL K	II/IV	/	/	/	/	/
70	A	611215114160	RAHUL B	II/IV	/	/	/	/	/
71	A	611215114163	RAJ KUMAR S	II/IV	/	/	/	/	/
72	C	611215114164	RAMAMOORTHY S	II/IV	/	/	/	/	/
73	C	611215114170	RAVI SHANKAR G	II/IV	/	/	/	/	/
74	A	611215114173	ROOPAN V	II/IV	/	/	/	/	/
75	B	611215114174	SABARINATHAN S	II/IV	/	/	/	/	/
76	C	611215114175	SABARISH S	II/IV	/	/	/	/	/
77	C	611215114176	SANJAYKRISHNA G S	II/IV	/	/	/	/	/
78	C	611215114177	SANJAY KRISHNAA M	II/IV	/	/	/	/	/
79	A	611215114179	SANTHOSH V	II/IV	/	/	/	/	/
80	A	611215114180	SANTHOSHKUMAR K	II/IV	/	/	/	/	/
81	C	611215114181	SANTHOSHKUMAR M	II/IV	/	/	/	/	/
82	A	611215114182	SANTHOSHKUMAR M	II/IV	/	a	/	/	/
83	A	611215114183	SANTHOSHKUMAR N	II/IV	/	/	/	/	/
84	A	611215114184	SANTHOSH KUMAR D	II/IV	/	/	/	/	/
85	D	611215114198	SHATHYAPRAKASH M	II/IV	/	/	/	/	/
86	C	611215114200	SIDDIQ AHAMED S	II/IV	/	/	/	/	/
87	C	611215114201	SIVALINGAM S V	II/IV	/	/	/	/	/
88	A	611215114203	SRIDHAR K S	II/IV	/	/	/	/	/
89	B	611215114236	VIJAYAKANNAN A	II/IV	/	/	/	/	/
90	A	611215114333	RAMAKRISHNAN N	II/IV	/	/	/	/	/
No. of Students Present					89	87	87	88	90
No. of Students Absent					01	03	03	02	-
Faculty Signature									

C. S. S. S. J.  
FACULTY INCHARGE

PRINCIPAL

HOD MECHANICAL



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

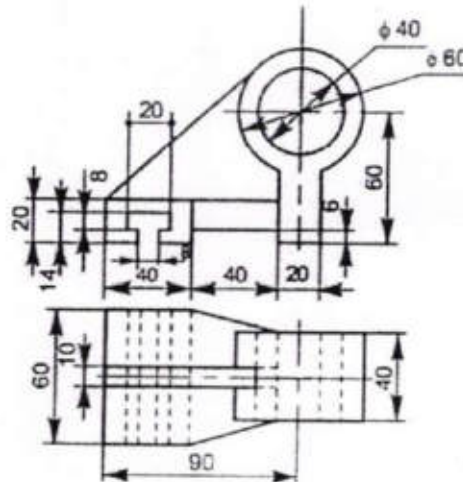
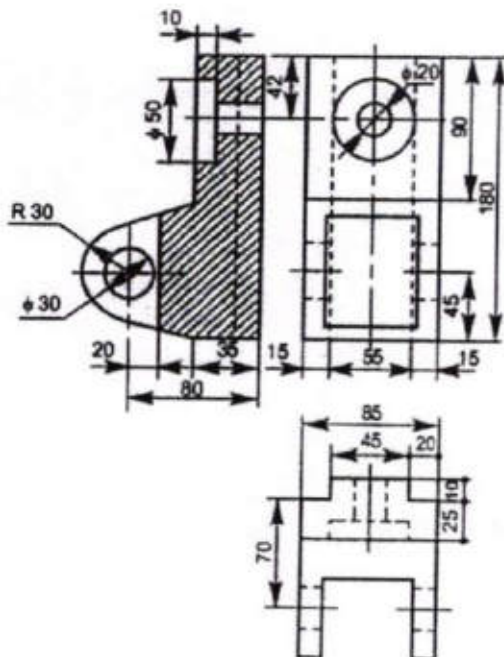
Name: *S. Chandru*

Reg. No: *611215114028*

Year/Sem/Sec: *II / IV / C*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	<i>30</i>
2	PART-B (PART DESIGN)	50	<i>40</i>
TOTAL MARKS		100	<i>70</i>



*Pm*

PRINCIPAL,  
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Akshaya (PO) Salem - 637 511





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

**EVALUATION FORM-CERTIFICATE COURSE**

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

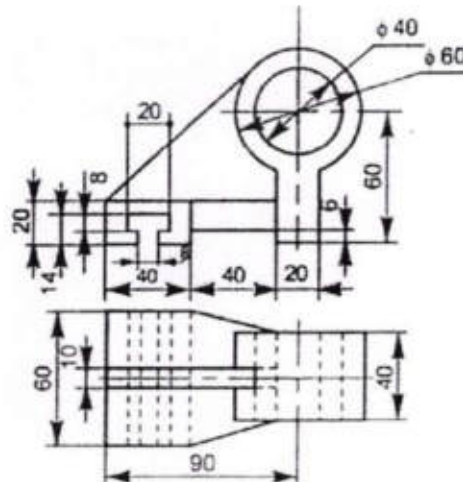
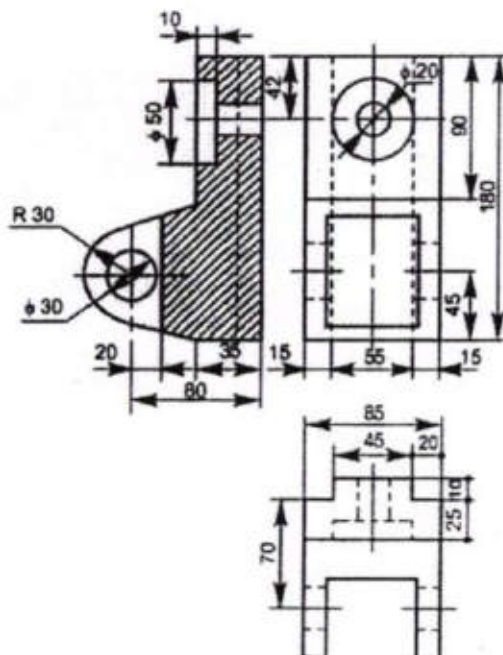
Name: *Gautham.v*

Reg. No: *6112J5114056*

Year/Sem/Sec: *II/IV/A*

**ASSESSMENT TEST**

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



*Pm*

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Kankalavam (PO) Salem - 627



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

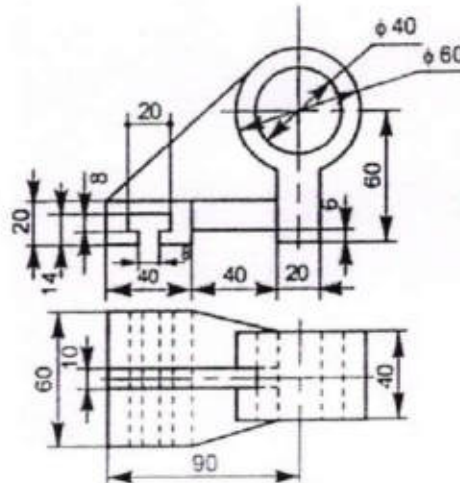
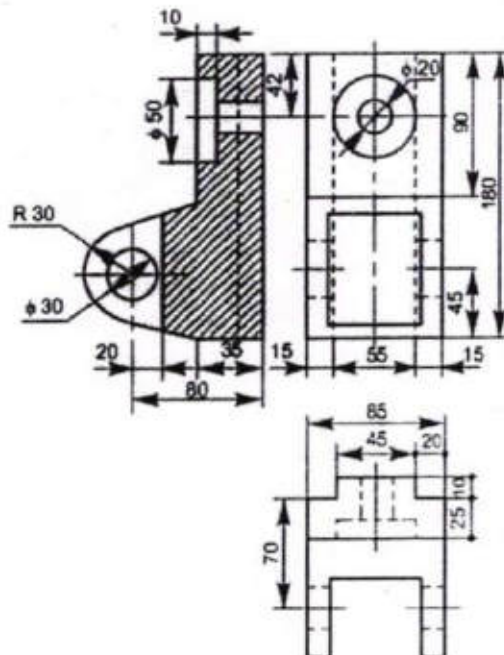
Name: ELAMUGIL J

Reg. No: 611215114044

Year/Sem/Sec: II/IV/D

**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



  
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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

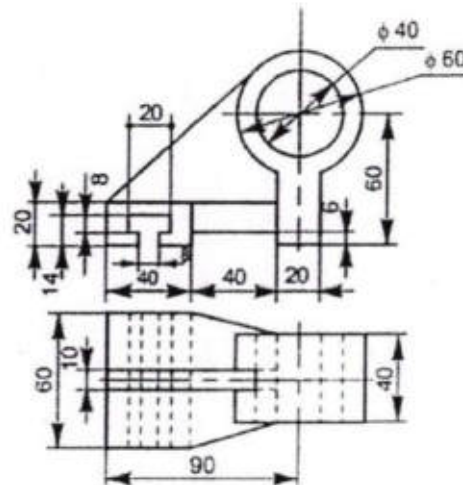
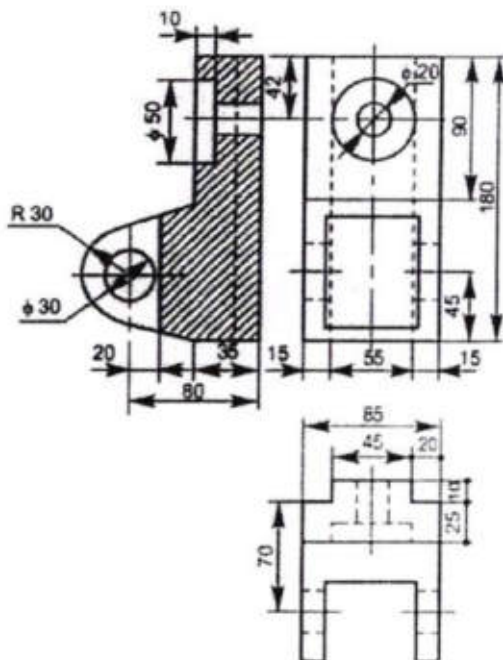
Name: Dinakaram. IC.

Reg. No: 611215114037

Year/Sem/Sec: 11 IV

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	40
2	PART-B (PART DESIGN)	50	40
TOTAL MARKS		100	80



*PM*



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Department Of Mechanical Engineering

**EVALUATION FORM-CERTIFICATE COURSE**

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

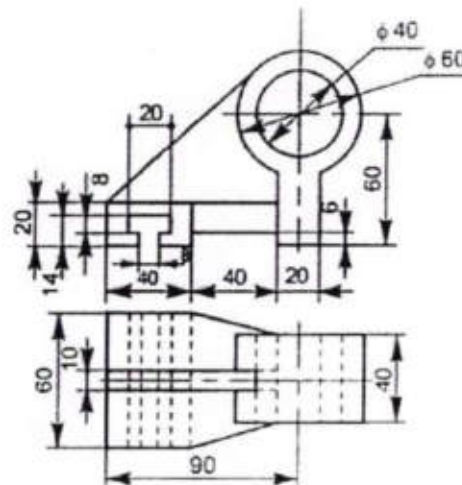
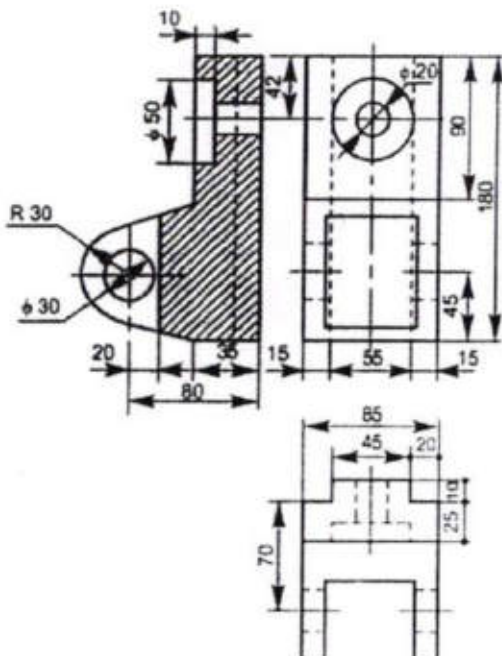
Name: *Ajay Prithvi*

Reg. No: *611215114005*

Year/Sem/Sec: *11 | IV*

**ASSESSMENT TEST**

S.NO.	DESCRIPTION	MARKS ALLOTTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	<i>25</i>
2	PART-B (PART DESIGN)	50	<i>30</i>
TOTAL MARKS		100	<i>65</i>



*EP*

*PK*



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

02-02-2017

S.NO	SEC	REG. NO	NAME	YEAR	Marks (100)
1	C	611215114005	AJAY THILAK G	II/IV	65
2	C	611215114006	AJITHKUMAR G	II/IV	75
3	B	611215114007	ANBARASU.P	II/IV	80
4	C	611215114008	ARAVIND G	II/IV	85
5	B	611215114009	ARAVIND KUMAR K	II/IV	90
6	C	611215114015	ARUN PRAKASH B	II/IV	95
7	D	611215114017	ASWATHY B	II/IV	70
8	D	611215114020	BASKAR M	II/IV	65
9	C	611215114023	BHARATH M	II/IV	75
10	C	611215114024	BHARATH RAJ M	II/IV	80
11	C	611215114025	BOOBALAN R	II/IV	90
12	C	611215114028	CHANDRU S	II/IV	70
13	A	611215114029	DEVARAJ K M	II/IV	80
14	A	611215114031	DHANESH KUMAR P	II/IV	90
15	A	611215114032	DHARANI DHARAN R.S	II/IV	85
16	A	611215114033	DHARUNKUMAR N	II/IV	70
17	C	611215114037	DINAKARAN K	II/IV	80
18	C	611215114038	DINESH M	II/IV	70
19	A	611215114040	DINESH S	II/IV	95
20	A	611215114041	DINESHBABU C	II/IV	75
21	A	611215114042	DINESH KUMAR J	II/IV	80
22	D	611215114043	DIVYA M B	II/IV	95
23	D	611215114044	ELAMUGIL J	II/IV	90
24	D	611215114045	GOBI G	II/IV	85
25	D	611215114047	GOKULRAJ S	II/IV	70
26	B	611215114049	GOKULRAM M	II/IV	65
27	D	611215114052	GOWRI SHANKAR E	II/IV	70
28	D	611215114054	GOWTHAM P	II/IV	75
29	A	611215114055	GOWTHAM U	II/IV	80
30	A	611215114056	GOWTHAM V	II/IV	65
31	D	611215114057	GOWTHAMAN R	II/IV	85



P. N. LIPAL,

32	D	611215114059	GUKAN A	II/IV	85
33	D	611215114060	GURUCHANDRAN V	II/IV	70
34	D	611215114062	HARI KRISHNAN M	II/IV	85
35	D	611215114063	HARIPRASATH V	II/IV	90
36	B	611215114067	JAISELVA S	II/IV	95
37	D	611215114068	JANARTHAN R	II/IV	65
38	A	611215114069	JANARTHANAN C	II/IV	75
39	A	611215114070	JAVID RIZVI J	II/IV	85
40	D	611215114071	JEEVANANDHAM J	II/IV	80
41	C	611215114072	JEEVANANTHAM P	II/IV	90
42	D	611215114073	JEEVANANTHAM R	II/IV	70
43	B	611215114074	JIBIN RAJU.M	II/IV	75
44	A	611215114075	KALAISELVAN S	II/IV	85
45	D	611215114076	KALAIVANI S	II/IV	95
46	A	611215114077	KANISHKARAN U	II/IV	90
47	C	611215114078	KARTHIKEYAN D	II/IV	80
48	C	611215114080	KARTHIKEYAN P	II/IV	85
49	B	611215114081	KAVI GOKUL G S	II/IV	75
50	B	611215114082	KAVIN P	II/IV	65
51	C	611215114084	KAVINESH S	II/IV	90
52	A	611215114085	KAVINKUMAR K	II/IV	95
53	B	611215114086	KAVIRAJ K	II/IV	85
54	D	611215114087	KEERTHINATH B	II/IV	80
55	C	611215114088	KEERTHIVASAN R	II/IV	90
56	A	611215114090	KIRAN PRASAD R	II/IV	95
57	B	611215114100	MANIKANDAN R	II/IV	75
58	A	611215114101	MANIKANDAN V	II/IV	70
59	D	611215114112	METHA T	II/IV	80
60	A	611215114117	MOHAN S P	II/IV	85
61	A	611215114122	MOULEESWARAN R	II/IV	90
62	B	611215114129	MYDEESH R	II/IV	95
63	C	611215114150	PRASANTH G	II/IV	90
64	C	611215114151	PRASANTH G R	II/IV	80
65	A	611215114153	PRAVEENRAJ A	II/IV	85
66	C	611215114155	PRAVIN M	II/IV	70
67	A	611215114156	PRAVINKUMAR S	II/IV	95
68	B	611215114157	PREMKUMAR K	II/IV	90
69	C	611215114159	RAGUL K	II/IV	80
70	A	611215114160	RAHUL B	II/IV	85
71	A	611215114163	RAJ KUMAR S	II/IV	80

*Pm*



2.2.17

72	C	611215114164	RAMAMOORTHY S	II/IV	95
73	C	611215114170	RAVI SHANKAR G	II/IV	90
74	A	611215114173	ROOPAN V	II/IV	80
75	B	611215114174	SABARINATHAN S	II/IV	85
76	C	611215114175	SABARISH S	II/IV	95
77	C	611215114176	SANJAYKRISHNA G S	II/IV	90
78	C	611215114177	SANJAY KRISHNA M	II/IV	85
79	A	611215114179	SANTHOSH V	II/IV	75
80	A	611215114180	SANTHOSHKUMAR K	II/IV	70
81	C	611215114181	SANTHOSHKUMAR M	II/IV	65
82	A	611215114182	SANTHOSHKUMAR M	II/IV	90
83	A	611215114183	SANTHOSHKUMAR N	II/IV	95
84	A	611215114184	SANTHOSH KUMAR D	II/IV	85
85	D	611215114198	SHATHYAPRAKASH M	II/IV	80
86	C	611215114200	SIDDIQ AHAMED S	II/IV	95
87	C	611215114201	SIVALINGAM S V	II/IV	90
88	A	611215114203	SRIDHAR K S	II/IV	70
89	B	611215114236	VIJAYAKANNAN A	II/IV	80
90	A	611215114333	RAMAKRISHNAN N	II/IV	90

*C. S. Sanyal*  
FACULTY INCHARGE

*u. v. i.*  
HOD

*Pm*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kannalavayam (PO) Salem - 632 014



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TECHNOLOGY

HARITA TECHSERV  
LIMITED



## *Certificate of Completion*

This certificate is awarded to  
**GOWTHAM.U (611215114055)**

In recognition of successful completion of

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

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2017 to 02.02.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

*PK*  
PK NLIPAL,  
Knowledge Institute of Technology  
Kadapalayam (PO) Salem - 637 504

*kat*  
**Mr.M.Sathyanathan**  
Coordinator

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

*PK*  
**Dr.PSS.Srinivasan**  
Principal

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





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## ***Certificate of Completion***

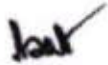
This certificate is awarded to

**GOWRISHANKAR.E (611215114052)**

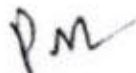
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Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2017 to 02.02.2017  
Department of Mechanical Engineering, Knowledge Institute of Technology salem,  
Tamilnadu, India

  
**Mr.M.Sathyanathan**  
Coordinator

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

  
**Dr.PSS.Srinivasan**  
Principal

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

  
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Knowledge Institute of Technology  
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TECHNOLOGY**

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LIMITED**



## ***Certificate of Completion***

This certificate is awarded to  
**DINESH.M (6112115114038)**

In recognition of successful completion of

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

Conducted by “CRCPDT-Harita Techserv Limited” from 11.07.2017 to 02.02.2017  
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

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





KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA software

Name: Govind. G

Year/Sem/Sec: II / IV / 10

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Sketcher Workbench			✓		
3	Part Modeling		✓			
4	Assembly Design				✓	
5	Course content and Hands on Experience of CATIA		✓			
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

Improve Technical Knowledge, & more practice

PK

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Govind

Signature of the Candidate



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM  
Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA software

Name: Ajaythilak.G

Year/Sem/Sec: II / IV / C

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Sketcher Workbench		✓			
3	Part Modeling		✓			
4	Assembly Design		✓			
5	Course content and Hands on Experience of CATIA			✓		
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

Need revise of previous tools while going to a new part of learning.

Signature of the Candidate

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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA software

Name: Gokul Ram. M.

Year/Sem/Sec: 2<sup>nd</sup>/B Sec

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	/				
2	Sketcher Workbench		/			
3	Part Modeling		/			
4	Assembly Design	/	/			
5	Course content and Hands on Experience of CATIA		/			
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

Need more hours for Practice

Signature of the Candidate

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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA software

Name: Gowtham.V

Year/Sem/Sec: II / IV / A

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA	✓				
2	Sketcher Workbench		✓			
3	Part Modeling			✓		
4	Assembly Design		✓			
5	Course content and Hands on Experience of CATIA	✓				
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

\* Teaching is good.  
\* More helpful.

pm

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Gowtham

Signature of the Candidate





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Department Of Mechanical Engineering

FEEDBACK FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA software

Name: Chandru.S

Year/Sem/Sec: II / IV / C

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA		✓			
2	Sketcher Workbench			✓		
3	Part Modeling	✓				
4	Assembly Design	✓				
5	Course content and Hands on Experience of CATIA		✓			
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

- \* Frequent Training Period Should be Allotted.
- \* Complicated Parts are Educated & Practical
- \* Classes Should be Revisited.

*PK*

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

*S. Chandru*

Signature of the Candidate



# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-

637504

## DEPARTMENT OF MECHANICAL ENGINEERING

### REPORT OF THE EVENT

<b>Date</b>	:	01.08.2016 to 19.08.2016 & 02.01.2017 to 21.01.2017	<b>Resource person</b>	:	Mr.S.Surendar, Mr.J.Ramesh & Mr.R.Isaac Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
<b>Time &amp; Duration</b>	:	05.00 pm to 07.00 pm & 60 Hours	<b>Title</b>	:	<b>Design of Practical HVAC System &amp; Components sizing and selection for chilled water type HVAC system</b>
<b>Venue</b>	:	A310, A312 & A313- KIOT	<b>No. of Participants</b>	:	92

1. The resource persons are explained Fundamental and scope of HVAC, Mode of heat transfer, Standards, Refrigeration cycle, Component of A/C, Refrigerants and types.
2. Also they explained about Study of AC system, Study of Psychrometric, Classification of Air-Conditioning System & Sub systems in AC.



Encl: Circular / Brochure / Attendance Sheet

DR N. LIPAL,

Knowledge Institute of Technology,  
Chinnalavangam (PO) Salem - 637504





**KNOWLEDGE INSTITUTE OF TECHNOLOGY,  
SALEM-637 504**



**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>Circular No.</b>	KIOT/MECH/2016-17/ IAPMO/02	<b>Date</b>	25.07.2016
<b>To</b>	All Faculty & Third year students of Mechanical Engineering		
<b>Sub</b>	IAPMO – Training for 3 <sup>rd</sup> year students		

It has been planned to select new set of students from third year Mechanical Engineering, for IAPMO training in Mechanical Education to Employment Program. Hence the Class Advisors of third year are requested to collect the interested students names and list out the below given format & submit the same to the course coordinator on or before 28.07.2016. Student will be selected through the mode of written test, group discussion. Interested students are requested to assemble at A-Block Drawing hall for screening test on 29.07.2016 at 9.30am.

Sl.No:	Screening Test	Date & Timing
1	Written Test (Basics of Thermal Engineering, Heat and Mass Transfer)	29.07.2016 10.30 am to 11.30 am
2	Group Discussion	29.07.2016 01.30 pm to 03.00 pm

**Students Details Format:**

Sl.No	Reg.No	Students Name	Sign
01	XXXXXXXXXX	XXXXXXXXXXXX X	XXXXXX

*[Signature]*  
FACULTY I/C

*[Signature]*  
HOD/MECH

*[Signature]*  
PRINCIPAL

*[Signature]*  
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Knowledge Institute of Technology  
Akopalavam (PO) Salem - 637 504



Beyond Knowledge

KNOWLEDGE INSTITUTE OF TECHNOLOGY,  
SALEM-637 504



International Association of  
Plumbing and Mechanical Officials

DEPARTMENT OF MECHANICAL ENGINEERING

Circular No.	KIOT/MECH/2016-17/ IAPMO/03	Date	30.07.2016
To	All Faculty & Third year students of Mechanical Engineering		
Sub	<b>Design of Practical HVAC System</b> ( IAPMO – Certification Course: Batch-I, II & III )		

We have planned to conduct, HVAC training on **Design of Practical HVAC System** from 01.08.2016 for third year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017).

Venue: A310, A312 & A313


Time: 05:00 pm to 07:00 pm

Encl: Name list of shortlisted students.

  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL

  
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Knowledge Institute of Technology  
Akapatavam (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/2016-17/ IAPMO/04	Date	30.12.2016
To	All Faculty & Third year students of Mechanical Engineering		
Sub	Components sizing and selection for chilled water type HVAC system ( IAPMO – Certification Course: Batch-I, II & III )		

We have planned to conduct, HVAC training on **Components sizing and selection for chilled water type HVAC system** from 02.01.2017 for third year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017).

Venue: A310, A312 & A313

Time: 05:00 pm to 07:00 pm

  
FACULTY I/C

  
HOD/MECH

PRINCIPAL

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

From

J.Ramesh,  
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: Design of Practical HVAC System conduction-regarding**

We are planned to conduct, HVAC training on **Design of Practical HVAC System** from 01.08.2016 for third year Mechanical Engineering students through IIC (IAPMO-India-KIOT) center in this Academic Year (2016-2017). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

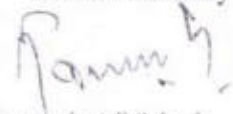
Encl: Students name list for the course

Thanking You

Place: KIOT

Date: 30.07.2016


Yours Faithfully



J.Ramesh AP/Mech

Forwarded to the principal

u.u.u

  
PRINCIPAL,  
Knowledge Institute of Technology  
Akopalavam (PO) Salem - 636 002



From

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

To

The Principal,  
Knowledge Institute of Technology,  
Salem.

OK  
8

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

Respected Sir,

**Sub: Components sizing and selection for chilled water type HVAC system conduction-  
Regarding**

We are planned to conduct, HVAC training on **Components sizing and selection for chilled water type HVAC system** from 02.01.2017 for third year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2016-2017). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Students name list for the course

Thanking You

Place: KIOT

Date: 30.12.2017

Yours Faithfully

*J.Ramesh*

J.Ramesh AP/Mech

Forwarded to the principal

*u.u.u*

*pm*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kakanadavayam (PO) Salem - 637 577

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

AY: 2016-17

Date: 30.07.2016

SLN o.	Register Number	Student Name	Remarks
1.	611213114701	ABIRAMI.G	
2.	611214114001	AJEETH.L	
3.	611214114002	AJITH KUMAR.J	
4.	611214114005	ANAND.S	
5.	611214114007	ARAVIND T	
6.	611214114008	ARAVIND V	
7.	611214114009	ARAVINTHKUMAR V	
8.	611214114010	ARIVARASAN S	
9.	611214114012	ARUNACHALAM T	
10.	611214114013	ARUNPRAKASH M	
11.	611214114014	ASHWIN.K	
12.	611214114015	ASRAR AHAMED N	
13.	611214114016	AZURUDDIN.S	
14.	611214114018	BALAJI.K	
15.	611214114020	BALAJI VIGNESH T	
16.	611214114023	BOOPATHY.A	
17.	611214114025	DEEPAN CHAKRAVARTHY.P	
18.	611214114026	DHARANIDHARAN V R	
19.	611214114029	DINESH.C	
20.	611214114030	DINESH.G	
21.	611214114032	DINESHKUMAR.R	
22.	611214114043	GOKULRAJ.G	
23.	611214114050	GOPI.S	
24.	611214114062	HARI PRAKASH N	
25.	611214114065	JAMBUKESHWARAN S	
26.	611214114066	JEEVA S	
27.	611214114068	JEEVANANTHAN C	
28.	611214114069	KANNAN.K.S	
29.	611214114074	KARTHIK V	
30.	611214114075	KARTHIKEYAN P	

*Rammy*  
FACULTY I/C

*[Signature]*  
HOD/MECH

*[Signature]*  
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*[Signature]*  
PRINCIPAL,  
Knowledge Institute of Technology  
Talakavayam (P.O) Salem - 637 504



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

AY: 2016-17

Date: 30.07.2016

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

*Ravish*  
FACULTY I/C

*[Signature]*  
HOD/MECH

*[Signature]*  
PRINCIPAL

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

AY: 2016-17

Date: 30.07.2016

Sl.No.	Register Number	Student Name	Remarks
1.	611214114137	PRAKAASHINI S	
2.	611214114138	PRAKASH.J	
3.	611214114139	PRASANTHA	
4.	611214114140	PRAVEEN M	
5.	611214114142	PREM KUMAR R	
6.	611214114143	PREMNATH R	
7.	611214114144	PRIYADARSHINI.M	
8.	611214114147	RAGUL.G	
9.	611214114150	RAJESH R	
10.	611214114157	SANJAAY S	
11.	611214114162	SARAVANAN K	
12.	611214114301	AJAY.B	
13.	611214114304	AYYAPPAN R	
14.	611214114305	BALAMANEKANDAN R	
15.	611214114306	BALAMURUGAN S	
16.	611214114308	BOOPATHI RAJAN.V	
17.	611214114312	GOWTHAM .N	
18.	611214114313	GUNASEKARAN.G	
19.	611214114316	KALEESHWARAN M	
20.	611214114317	KARAN S	
21.	611214114319	KARTHIK KANNAN.N.G	
22.	611214114320	KAVIN VENKATACHALAM	
23.	611214114322	MALARAVAN G	
24.	611214114323	MANIKANDAN M	
25.	611214114324	MANOJKUMAR P	
26.	611214114325	MEGANATHAN S	
27.	611214114328	NAVEEN KUMAR K K	
28.	611214114329	NESHARAJA M	
29.	611214114331	PARTHIBAN.M	
30.	611214114332	PRADEEP S	
31.	611214114337	SAKTHIVEL T	

*Ramiah*  
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HOD/MECH


*pm*  
PRINCIPAL.


*g*  
PRINCIPAL




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

<b>Detailed Execution Plan</b>					
<b>Name of the Course Module: 2. Components sizing and selection for chilled water type HVAC system</b>					
<b>Duration: 30 hours</b>					
<b>Module No.</b>	<b>Name of the Module</b>	<b>Teaching Hours</b>	<b>Practical Hours</b>	<b>Self-Study Hours</b>	<b>Course Plan (Day wise)</b>
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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Kakanalavam (PO) Salem - 67

KNOWLEDGE INSTITUTE OF TECHNOLOGY Department of Mechanical Engineering Course Plan					Date:25.07.2016
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.J.Ramesh & Mr.R.Isaac	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.P.Vijay Mr.J.Ramesh & Mr.P.Vijay	30		
Total No.of Hours			60		

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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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-I (2014-2018) AY: 2016-17**  
**DESIGN OF PRACTICAL HVAC SYSTEM – MARK STATEMENT**

Max.Marks:50  
Date: 25.08.2016

Year/Sem: III/V

SLN o.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114701	ABIRAMI.G	41	PASS
2.	611214114001	AJEETH.L	38	PASS
3.	611214114002	AJITH KUMAR.J	35	PASS
4.	611214114005	ANAND.S	36	PASS
5.	611214114007	ARAVIND T	37	PASS
6.	611214114008	ARAVIND V	32	PASS
7.	611214114009	ARAVINTHKUMAR V	29	PASS
8.	611214114010	ARIVARASAN S	28	PASS
9.	611214114012	ARUNACHALAM T	42	PASS
10.	611214114013	ARUNPRAKASH M	41	PASS
11.	611214114014	ASHWIN.K	40	PASS
12.	611214114015	ASRAR AHAMED N	35	PASS
13.	611214114016	AZURUDDIN.S	36	PASS
14.	611214114018	BALAJI.K	38	PASS
15.	611214114020	BALAJI VIGNESH T	39	PASS
16.	611214114023	BOOPATHY.A	32	PASS
17.	611214114025	DEEPAN CHAKRAVARTHY.P	31	PASS
18.	611214114026	DHARANIDHARAN V R	35	PASS
19.	611214114029	DINESH.C	34	PASS
20.	611214114030	DINESH.G	26	PASS
21.	611214114032	DINESHKUMAR.R	28	PASS
22.	611214114043	GOKULRAJ.G	29	PASS
23.	611214114050	GOPI.S	27	PASS
24.	611214114062	HARI PRAKASH N	26	PASS
25.	611214114065	JAMBUKESHWARAN S	41	PASS
26.	611214114066	JEEVA S	46	PASS
27.	611214114068	JEEVANANTHAN C	42	PASS
28.	611214114069	KANNAN.K.S	41	PASS
29.	611214114074	KARTHIK V	37	PASS
30.	611214114075	KARTHIKEYAN P	36	PASS

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

*P. Ramiah*  
FACULTY I/C

*Pm*  
PRINCIPAL,  
Knowledge Institute of Technology  
P. K. Insaiyam (PO), Salem - 637 504

*[Signature]*  
HOD/MECH

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II (2014-2018) AY: 2016-17**  
**DESIGN OF PRACTICAL HVAC SYSTEM – MARK STATEMENT**

Max.Marks:50  
Date: 25.08.2016

Year/Sem: III/V

Sl.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114080	KATHIRESAN.M	32	PASS
2.	611214114080	KATHIRESAN.N	35	PASS
3.	611214114084	KIRUBHA SANKAR.B	36	PASS
4.	611214114085	KIRUPAKARAN.S	41	PASS
5.	611214114086	KRISHNA MURTHIJ	42	PASS
6.	611214114090	LOGANATHAN A	40	PASS
7.	611214114091	LOGESH.L.C	38	PASS
8.	611214114092	MALATHI S K	39	PASS
9.	611214114094	MANIKANDAN.A	32	PASS
10.	611214114098	MANIKANDAN S	41	PASS
11.	611214114099	MANIMARAN A	40	PASS
12.	611214114100	MANIRATHINAM P	25	PASS
13.	611214114104	MANOJ.S	26	PASS
14.	611214114105	MANOJ KUMAR R	26	PASS
15.	611214114107	MEIYAZHAGAN.G	35	PASS
16.	611214114108	MITHUN PRASANTH R	36	PASS
17.	611214114112	MOHAN RAJA	34	PASS
18.	611214114113	MOHAN RAJ N	32	PASS
19.	611214114114	MOHIT.S	30	PASS
20.	611214114115	MOULEESWARAN.S	28	PASS
21.	611214114116	MURALI S	27	PASS
22.	611214114118	MUTHUSURESH S	29	PASS
23.	611214114121	NATARAJAN M	36	PASS
24.	611214114122	NAVEEN M	37	PASS
25.	611214114126	NETHAJ.D	32	PASS
26.	611214114127	NITHISH KUMAR.S	41	PASS
27.	611214114128	NIKIL S	42	PASS
28.	611214114131	PASUPATHI. S	42	PASS
29.	611214114132	PRABHU.N	32	PASS
30.	611214114134	PRADEEP KUMAR.S	30	PASS
31.	611214114135	PRADHAP RAJ S	33	PASS

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

*P. Jeyanth*  
FACULTY I/C

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

*V. V. V.*  
HOD/MECH



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-III (2014-2018) AY: 2016-17**  
**DESIGN OF PRACTICAL HVAC SYSTEM – MARK STATEMENT**

Max.Marks:50  
Date: 25.08.2016

Year/Sem: III/V

Sl.N o.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114137	PRAKAASHINI S	42	PASS
2.	611214114138	PRAKASH J	41	PASS
3.	611214114139	PRASANTH.A	40	PASS
4.	611214114140	PRAVEEN M	36	PASS
5.	611214114142	PREM KUMAR R	35	PASS
6.	611214114143	PREMNATH R	38	PASS
7.	611214114144	PRIYADARSHINIM	29	PASS
8.	611214114147	RAGUL.G	28	PASS
9.	611214114150	RAJESH R	27	PASS
10.	611214114157	SANJAAY S	32	PASS
11.	611214114162	SARAVANAN K	30	PASS
12.	611214114301	AJAY.B	35	PASS
13.	611214114304	AYYAPPAN R	45	PASS
14.	611214114305	BALAMANEKANDAN R	40	PASS
15.	611214114306	BALAMURUGAN S	36	PASS
16.	611214114308	BOOPATHI RAJAN.V	38	PASS
17.	611214114312	GOWTHAM .N	32	PASS
18.	611214114313	GUNASEKARAN.G	29	PASS
19.	611214114316	KALEESHWARAN M	27	PASS
20.	611214114317	KARAN S	28	PASS
21.	611214114319	KARTHIK KANNAN.N.G	44	PASS
22.	611214114320	KAVIN VENKATACHALAM	41	PASS
23.	611214114322	MALARAVAN G	42	PASS
24.	611214114323	MANIKANDAN M	38	PASS
25.	611214114324	MANOJKUMAR P	37	PASS
26.	611214114325	MEGANATHAN S	36	PASS
27.	611214114328	NAVEEN KUMAR K K	38	PASS
28.	611214114329	NESHARAJA M	26	PASS
29.	611214114331	PARTHIBAN.M	28	PASS
30.	611214114332	PRADEEP S	37	PASS
31.	611214114337	SAKTHIVEL T	29	PASS

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

*[Signature]*  
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*[Signature]*  
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Knowledge Institute of Technology  
Salem (PO) Salem - 637 504

*[Signature]*  
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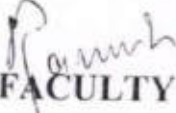
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-I (2014-2018) AY: 2016-17**  
**COMPONENTS SIZING AND SELECTION FOR CHILLED WATER TYPE HVAC**  
**SYSTEM –MARK STATEMENT**


Max.Marks:50  
Date: 25.01.2017

Year/Sem: III/VI

Sl.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611213114701	ABIRAM.I.G	40	PASS
2.	611214114001	AJEETH.L	32	PASS
3.	611214114002	AJITH KUMAR.J	30	PASS
4.	611214114005	ANAND.S	35	PASS
5.	611214114007	ARAVIND T	38	PASS
6.	611214114008	ARAVIND V	34	PASS
7.	611214114009	ARAVINTHKUMAR V	32	PASS
8.	611214114010	ARIVARASAN S	29	PASS
9.	611214114012	ARUNACHALAM T	28	PASS
10.	611214114013	ARUNPRAKASH M	42	PASS
11.	611214114014	ASHWIN.K	41	PASS
12.	611214114015	ASRAR AHAMED N	43	PASS
13.	611214114016	AZURUDDIN.S	28	PASS
14.	611214114018	BALAJI.K	32	PASS
15.	611214114020	BALAJI VIGNESH T	32	PASS
16.	611214114023	BOOPATHY.A	34	PASS
17.	611214114025	DEEPAN CHAKRAVARTHY.P	36	PASS
18.	611214114026	DHARANIDHARAN V R	38	PASS
19.	611214114029	DINESH.C	37	PASS
20.	611214114030	DINESH.G	28	PASS
21.	611214114032	DINESHKUMAR.R	29	PASS
22.	611214114043	GOKULRAJ.G	40	PASS
23.	611214114050	GOPL.S	43	PASS
24.	611214114062	HARI PRAKASH N	44	PASS
25.	611214114065	JAMBUKESHWARAN S	34	PASS
26.	611214114066	JEEVA S	36	PASS
27.	611214114068	JEEVANANTHAN C	32	PASS
28.	611214114069	KANNAN.K.S	35	PASS
29.	611214114074	KARTHIK V	37	PASS
30.	611214114075	KARTHIKEYAN P	28	PASS

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

  
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Knowledge Institute of Technology  
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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II (2013-2017) AY: 2015-16**  
**COMPONENTS SIZING AND SELECTION FOR CHILLED WATER TYPE HVAC**  
**SYSTEM –MARK STATEMENT**

Max.Marks:50


Date: 25.01.2017

Year/Sem:III/VI

Sl. No.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114080	KATHIRESAN.M	38	PASS
2.	611214114080	KATHIRESAN.N	32	PASS
3.	611214114084	KIRUBHA SANKAR.B	30	PASS
4.	611214114085	KIRUPAKARAN.S	39	PASS
5.	611214114086	KRISHNA MURTHI.J	37	PASS
6.	611214114090	LOGANATHAN A	35	PASS
7.	611214114091	LOGESHL.C	41	PASS
8.	611214114092	MALATHI S K	42	PASS
9.	611214114094	MANIKANDAN.A	46	PASS
10.	611214114098	MANIKANDAN S	47	PASS
11.	611214114099	MANIMARAN A	48	PASS
12.	611214114100	MANIRATHINAM P	45	PASS
13.	611214114104	MANOJ.S	42	PASS
14.	611214114105	MANOJ KUMAR R	36	PASS
15.	611214114107	MEIYAZHAGAN.G	38	PASS
16.	611214114108	MITHUN PRASANTH R	42	PASS
17.	611214114112	MOHAN RAJA	38	PASS
18.	611214114113	MOHAN RAJ N	35	PASS
19.	611214114114	MOHIT.S	26	PASS
20.	611214114115	MOULEESWARAN.S	25	PASS
21.	611214114116	MURALI S	41	PASS
22.	611214114118	MUTHUSURESH S	40	PASS
23.	611214114121	NATARAJAN M	30	PASS
24.	611214114122	NAVEEN M	32	PASS
25.	611214114126	NETHAJI.D	38	PASS
26.	611214114127	NITHISH KUMAR.S	37	PASS
27.	611214114128	NIKIL S	42	PASS
28.	611214114131	PASUPATHI S	47	PASS
29.	611214114132	PRABHU.N	28	PASS
30.	611214114134	PRADEEP KUMAR.S	25	PASS
31.	611214114135	PRADHAP RAJ S	42	PASS

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

  
**FACULTY I/C**

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

  
**HOD/MECH**

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-III (2014-2018) AY: 2016-17**  
**COMPONENTS SIZING AND SELECTION FOR CHILLED WATER TYPE HVAC**  
**SYSTEM –MARK STATEMENT**


Max.Marks:50  
Date: 25.01.2017

Year/Sem: III/VI

SL.N o.	Register Number	Student Name	Mark Secured	Result Status
1.	611214114137	PRAKAASHINI S	36	PASS
2.	611214114138	PRAKASH.J	35	PASS
3.	611214114139	PRASANTH.A	38	PASS
4.	611214114140	PRAVEEN M	39	PASS
5.	611214114142	PREM KUMAR R	42	PASS
6.	611214114143	PREMNATH R	42	PASS
7.	611214114144	PRIYADARSHINI.M	45	PASS
8.	611214114147	RAGUL.G	29	PASS
9.	611214114150	RAJESH R	27	PASS
10.	611214114157	SANJAAY S	25	PASS
11.	611214114162	SARAVANAN K	26	PASS
12.	611214114301	AJAY.B	28	PASS
13.	611214114304	AYYAPPAN R	25	PASS
14.	611214114305	BALAMANEKANDAN R	29	PASS
15.	611214114306	BALAMURUGAN S	29	PASS
16.	611214114308	BOOPATHI RAJAN.V	35	PASS
17.	611214114312	GOWTHAM .N	34	PASS
18.	611214114313	GUNASEKARAN.G	32	PASS
19.	611214114316	KALEESHWARAN M	26	PASS
20.	611214114317	KARAN S	29	PASS
21.	611214114319	KARTHIK KANNAN.N.G	28	PASS
22.	611214114320	KAVIN VENKATACHALAM	38	PASS
23.	611214114322	MALARAVAN G	36	PASS
24.	611214114323	MANIKANDAN M	37	PASS
25.	611214114324	MANOJKUMAR P	38	PASS
26.	611214114325	MEGANATHAN S	36	PASS
27.	611214114328	NAVEEN KUMAR K K	35	PASS
28.	611214114329	NESHARAJA M	34	PASS
29.	611214114331	PARTHIBAN.M	39	PASS
30.	611214114332	PRADEEP S	41	PASS
31.	611214114337	SAKTHIVEL T	38	PASS

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

*R. Srinivasan*  
FACULTY I/C

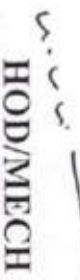
  
PRINCIPAL,  
Knowledge Institute of Technology  
Akapalayam (P.O) Salem - 637 504

*[Signature]*  
HOD/MECH



SL No	Reg.No	Name of the Student	Year/ Sem	1-8-16	2-8-16	3-8-16	4-8-16	5-8-16	6-8-16	8-8-16	9-8-16	10-8-16	11-8-16	12-8-16	14-8-16	17-8-16	19-8-16
18.	611214114313	GUNASEKARAN,G	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114316	KALEESHWARAN M	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611214114317	KARAN S	III/V	a	/	/	/	/	a	/	/	/	a	/	/	/	/
21.	611214114319	KARTHIK KANNAN,N.G	III/V	/	/	/	a	/	/	/	/	/	/	/	/	/	/
22.	611214114320	KAVIN VENKATACHALAM	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	a
23.	611214114322	MALARAVVAN G	III/V	/	a	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114323	MANIKANDAN M	III/V	/	/	a	/	a	/	/	/	/	/	/	/	/	/
25.	611214114324	MANOJKUMAR P	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114325	MEGANATHAN S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611214114328	NAVEEN KUMAR K K	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	a
28.	611214114329	NESHARAJA M	III/V	a	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114331	PARTHIBAN,M	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114332	PRADEEP S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	611214114337	SAKTHIVEL T	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/

  
FACULTY I/C

  
HOD/MECH

  
PRINCIPAL





SL.N o	Reg.No	Name of the Student	Year Sem	1-2-16	2-2-16	3-2-16	4-2-16	5-2-16	6-2-16	8-2-16	9-2-16	10-2-16	11-2-16	12-2-16	16-2-16	17-2-16	18-2-16	19-2-16
18.	611214114113	MOHAN RAJ N	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114114	MOHIT.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611214114115	MOULEESWARAN.S	III/V	/	/	/	/	/	a	/	/	/	a	/	/	/	/	/
21.	611214114116	MURALI.S	III/V	/	a	a	/	/	/	/	/	/	/	/	/	/	/	/
22.	611214114118	MUTHUSURESH.S	III/V	/	/	/	a	/	/	/	/	/	a	/	/	/	/	/
23.	611214114121	NATARAJAN.M	III/V	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114122	NAVEEN.M	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
25.	611214114126	NETHAJID	III/V	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
26.	611214114127	NITHISH KUMAR.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
27.	611214114128	NIKIL.S	III/V	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114131	PASUPATHI.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114132	PRABHUN	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114134	PRADEEP KUMAR.S	III/V	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
31.	611214114135	PRAADHAP RAJ.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

*S. Anand*  
FACULTY I/C

*S. Anand*  
HOD/MECH

*S. Anand*  
PRINCIPAL





SLN o	Reg.No	Name of the Student	Year/ Sem	1-8-16	2-8-16	3-8-16	4-8-16	5-8-16	6-8-16	8-8-16	9-8-16	10-8-16	11-8-16	12-8-16	16-8-16	17-8-16	18-8-16	19-8-16
18.	611214114026	DHARANIDHARAN V R	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114029	DINESH.C	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611214114030	DINESH.G	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611214114032	DINESHKUMAR.R	III/V	a	/	/	/	/	/	a	/	/	/	/	/	/	/	/
22.	611214114043	GOKULRAJ.G	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	a
23.	611214114050	GOP.I.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114062	HARI PRAKASH.N	III/V	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/
25.	611214114065	JAMBUKESHWARAN.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114066	JEEVA.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611214114068	JEEVANANTHAN.C	III/V	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114069	KANNAN.K.S	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114074	KARTHIK.V	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114075	KARTHIKEYAN.P	III/V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

*R. Ganesh*  
FACULTY I/C

HOD/MECH

PRINCIPAL





Sl.No	Reg.No	Name of the Student	Year/ Sem	4/1/13	4/1/13	4/1/14	4/1/15	4/1/19	4/1/17	4/1/16	4/1/15	4/1/11	12/1/21	4/1/13	4/1/14	4/1/15	4/1/16	4/1/17
15.	611214114306	BALAMURUGAN S	III/VI	/	a	/	/	/	/	/	a	/	/	a	/	a	/	/
16.	611214114308	BOOPATHI RAJAN.V	III/VI	/	/	/	a	/	/	/	/	/	/	/	a	/	/	/
17.	611214114312	GOWTHAM .N	III/VI	/	/	/	/	/	a	/	/	/	/	/	/	a	/	/
18.	611214114313	GUNASEKARAN.G	III/VI	/	/	a	/	/	/	/	/	/	a	/	/	/	/	/
19.	611214114316	KALEESHWARAN M	III/VI	a	/	/	/	a	/	/	/	/	/	a	/	/	/	/
20.	611214114317	KARAN S	III/VI	/	/	/	a	/	/	a	/	a	/	/	/	/	/	/
21.	611214114319	KARTHIK KANNAN.N.G	III/VI	/	/	/	/	/	a	/	/	/	/	/	/	a	/	/
22.	611214114320	KAVIN VENKATACHALAM	III/VI	a	/	/	/	/	/	/	a	/	/	/	/	/	/	a
23.	611214114322	MALARAVAN G	III/VI	/	/	/	/	a	/	/	/	a	/	/	/	/	/	/
24.	611214114323	MANIKANDAN M	III/VI	a	/	a	/	/	/	/	/	/	a	/	/	/	/	/
25.	611214114324	MANOJKUMAR P	III/VI	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/
26.	611214114325	MEGANATHAN S	III/VI	/	/	/	/	a	/	/	/	a	/	/	a	/	/	/
27.	611214114328	NAVEEN KUMAR K K	III/VI	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/
28.	611214114329	NESHARAJA M	III/VI	/	a	/	/	/	/	a	a	/	a	/	/	/	/	/
29.	611214114331	PARTHIBAN.M	III/VI	a	/	a	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114332	PRADEEP S	III/VI	/	/	/	/	a	/	/	/	a	/	/	/	/	/	a
31.	611214114337	SAKTHIVEL T	III/VI	/	/	/	a	/	/	/	/	/	/	/	/	a	/	/

*P. Anand*  
FACULTY I/C

*[Signature]*  
HOD/MECH

*[Signature]*  
PRINCIPAL

PRINCIPAL





SL.N o	Reg.No	Name of the Student	Year/ Sem	2/1/17	3/1/17	4/1/17	5/1/17	6/1/17	7/1/17	8/1/17	9/1/17	10/1/17	11/1/17	12/1/17	1/1/18	2/1/18	3/1/18	4/1/18	5/1/18	6/1/18	7/1/18	8/1/18	9/1/18	10/1/18	11/1/18	12/1/18
15.	611214114107	MEIYAZHAGANG	III/VI	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	611214114108	MITHUN PRASANTH R	III/VI	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	611214114112	MOHAN RAJA	III/VI	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	611214114113	MOHAN RAJ N	III/VI	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	611214114114	MOHIT.S	III/VI	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	611214114115	MOULEESWARAN.S	III/VI	a	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	611214114116	MURALI.S	III/VI	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	611214114118	MUTHUSURESH.S	III/VI	/	a	/	/	/	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/
23.	611214114121	NATARAJAN.M	III/VI	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	611214114122	NAVEEN.M	III/VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	611214114126	NETHAJID	III/VI	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	611214114127	NITHISH KUMAR.S	III/VI	/	/	/	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	611214114128	NIKIL.S	III/VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	611214114131	PASUPATHI.S	III/VI	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	611214114132	PRABHUN	III/VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	611214114134	PRADEEP KUMAR.S	III/VI	/	/	a	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
31.	611214114135	PRADHAP RAJ.S	III/VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

*Principals*  
FACULTY I/C

HOD/MECH

PRINCIPAL

Principals  
Knowledge is the Name of Knowledge  
KADAVAN (P.O) Salem - 637 504

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**CENTER FOR HEATING VENTILATION AND AIR CONDITIONING**  
**BATCH-II (2014-2018)**

**COMPONENTS SIZING AND SELECTION FOR CHILLED WATER TYPE HVAC SYSTEM-TRAINING ATTENDANCE**

AY: 2016-2017

Date: 24.01.2017

Sl.No	Reg.No	Name of the Student	Year/ Sem	24/1/17	31/1/17	7/1/17	14/1/17	21/1/17	28/1/17	4/2/17	11/2/17	18/2/17	25/2/17	3/3/17	10/3/17	17/3/17	24/3/17
1.	611214114080	KATHIRESAN.M	III/VI	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2.	611214114080	KATHIRESAN.N	III/VI	/	/	/	/	a	/	/	/	/	/	/	a	/	/
3.	611214114084	KIRUBHA SANKAR.B	III/VI	/	a	/	/	/	/	a	/	/	/	/	/	/	/
4.	611214114085	KIRUPAKARAN.S	III/VI	/	/	a	/	/	/	/	a	/	/	/	/	/	a
5.	611214114086	KRISHNA MURTHI.J	III/VI	/	/	/	a	/	/	/	/	a	a	/	/	/	/
6.	611214114090	LOGANATHAN A	III/VI	a	/	/	/	/	a	/	/	/	/	/	/	a	/
7.	611214114091	LOGESH.L.C	III/VI	/	/	/	/	/	/	/	a	/	/	/	/	/	a
8.	611214114092	MALATHI S K	III/VI	/	a	/	/	/	/	/	/	a	/	/	/	/	/
9.	611214114094	MANIKANDAN.A	III/VI	/	/	a	/	/	/	/	/	/	/	/	/	a	/
10.	611214114098	MANIKANDAN S	III/VI	a	/	/	/	/	/	/	a	/	/	/	/	/	/
11.	611214114099	MANIMARAN A	III/VI	/	a	/	/	/	a	/	/	/	/	/	/	/	/
12.	611214114100	MANIRATHINAM P	III/VI	/	/	/	a	/	/	/	/	a	/	/	/	/	/
13.	611214114104	MANOJ.S	III/VI	a	/	a	/	a	/	/	/	/	/	/	/	/	a
14.	611214114105	MANOJ KUMAR R	III/VI	/	/	/	/	/	/	a	/	/	/	/	/	a	/



Sl.No	Reg.No	Name of the Student	Year/ Sem	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17	1/18	2/18	3/18
				/	a	/	/	/	/	/	a	a	/	/	a	/	/
15.	611214114020	BALAJI VIGNESH T	III/VI	/	a	/	/	/	/	/	a	/	/	/	/	/	/
16.	611214114023	BOOPATHY.A	III/VI	/	/	/	a	/	/	/	/	/	/	/	/	/	/
17.	611214114025	DEEPAN CHAKRAVARTHY.P	III/VI	/	/	a	/	/	/	/	/	/	/	/	/	/	/
18.	611214114026	DHARANIDHARAN V R	III/VI	/	/	/	/	/	/	/	a	a	/	/	a	/	/
19.	611214114029	DINESH.C	III/VI	a	/	/	/	/	a	/	/	/	/	a	/	a	/
20.	611214114030	DINESH.G	III/VI	/	/	/	/	/	/	/	/	/	a	/	/	/	/
21.	611214114032	DINESHKUMAR.R	III/VI	a	/	/	a	/	/	a	/	/	/	/	/	/	/
22.	611214114043	GOKULRAJ.G	III/VI	/	/	a	/	/	a	/	/	a	/	/	/	/	/
23.	611214114050	GOPLS	III/VI	/	/	/	/	a	/	/	/	/	/	/	/	a	/
24.	611214114062	HARI PRAKASH N	III/VI	/	a	/	/	/	/	/	a	/	/	/	/	/	a
25.	611214114065	JAMBUKESHWARAN S	III/VI	/	/	/	a	a	/	/	/	/	/	/	/	/	/
26.	611214114066	JEEVA S	III/VI	a	/	/	/	/	a	/	/	/	/	/	a	/	/
27.	611214114068	JEEVANANTHAN C	III/VI	/	/	/	/	/	/	a	/	/	/	/	/	/	a
28.	611214114069	KANNAN.K.S	III/VI	/	/	/	/	/	/	/	a	/	/	a	/	/	a
29.	611214114074	KARTHIK V	III/VI	/	a	/	/	/	/	/	/	a	/	/	/	/	/
30.	611214114075	KARTHIKEYAN P	III/VI	/	/	/	/	/	/	/	a	/	/	/	/	/	/

*Ramya*  
FACULTY I/C

*S. S. S.*  
HOD/MECH

*P.M.*  
PRINCIPAL

PRINCIPAL,  
Knowledge Institute of Technology  
Palayam (PO), Salem - 637 502





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	Maheeth Raj S			
Register No	611212114101			
Date	22-8-16	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded		39	
Faculty Signature				

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- 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
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- 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  
 (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  
 (C) Dimensionless parameter (D) All of these
18. Unit of thermal conductivity in S.I. units is  
 (A)  $J/m^2 \text{ sec}$  (B)  $J/m \text{ }^\circ\text{K sec}$  (C)  $W/m \text{ }^\circ\text{K}$  (D) Option (B) and (C) above.
19. 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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21. 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
22. Thermal conductivity of non-metallic amorphous solids with decrease in temperature  
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23. 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)  $P_b = p_a/p_v$
24. Heat transfer takes place as per  
 (A) Zeroth law of thermodynamics (B) First law of thermodynamics (C) Second law of thermodynamics (D) Kirchoff's Law
25. The heat transfer by conduction through a thick sphere is given by  
 (A)  $Q = 2\pi k r_1 r_2 (T_1 - T_2)/(r_2 - r_1)$  (B)  $Q = 4\pi k r_1 r_2 (T_1 - T_2)/(r_2 - r_1)$   
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26. 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  
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27. 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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28. When heat is transferred from hot body to cold body, in a straight line, without affecting the intervening medium, it is referred to as heat transfer by  
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29. Reynolds number (RN) is given by (where  $h$  = Film coefficient,  $l$  = Linear dimension,  $V$  = Velocity of fluid,  $k$  = Thermal conductivity,  $t$  = Temperature,  $\rho$  = Density of fluid,  $c_p$  = Specific heat at constant pressure, and  $\mu$  = Coefficient of absolute viscosity)  
 (A)  $RN = hl/k$  (B)  $RN = \mu c_p/k$  (C)  $RN = \rho V l / \mu$  (D)  $RN = V^2/t \cdot c_p$
30. Sensible heat is the heat required to  
 (A) Change vapour into liquid (B) Change liquid into vapour  
 (C) Increase the temperature of a liquid of vapour (D) Convert water into steam and superheat it
31. Two locations where a cold air return should be installed:  
 (A) Open area of wall and low to the ground.  
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33. If 1 pound of water warms to 60 degrees F from 55 degrees F, what btu of latent heat will it have absorbed?



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34. What is the amount of heat energy required to evaporate 1 pound of water?  
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 (A) Pounds per square foot (B) Pressure per square foot  
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 (A) High, of the order of 25° (B) As low as possible (3 to 11°C) (C) Zero (D) Any value
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Ramiah  
FACULTY I/C

PRINCIPAL,  
Knowledge Institute of Technology  
Kankalavam (PO) Salem.

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	Prasanna M				
Register No	611214112116				
Date	22.8.16	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
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P. Ramiah  
FACULTY I/C

PRINCIPAL  
Knowledge Institute of Technology  
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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	MADHAN R			
Register No	6112141114 313			
Date	22.8.16	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
Faculty Signature	44			

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Pannu  
FACULTY I/C

PRINIPAL,  
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DEPARTMENT OF MECHANICAL ENGINEERING					
Iapmo-India – Kiot, Centre of Excellence					
Subject Name	Design of Practical HVAC System				
Name of the Student	Ashwin K				
Register No	611214114014				
Date	22-8-16	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
J.R	40				
Faculty Signature					

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Subject Name	Design of Practical HVAC System				
Name of the Student	V. Ananta Kumar				
Register No	6121114009				
Date	22-8-16	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
J.F					
Faculty Signature	29				

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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
34. What is the amount of heat energy required to evaporate 1 pound of water?  
 (A) 370 btu (B) 570 btu (C) 770 btu (D) 970 btu
35. In an air conditioning and refrigeration system, what occurs in a condenser?  
 (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.  
 (A) Increasing (B) Equalizing (C) Reducing
40. Pressure on the high pressure side of a mechanical refrigeration unit is called \_\_\_\_\_.  
 (A) Suction pressure (B) Discharge or head pressure  
 (C) Differential pressure (D) Absolute pressure
41. Dry 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
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  
 (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

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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	G. Gokulraj				
Register No	611213112043				
Date	23.1.17	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
J.P.	40				
Faculty Signature	R. Suresh				

**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



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
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

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~~ 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)  $1 / \text{B.P.F.}$  (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)  $\text{m}^2/\text{hK}$  (B)  $\text{m}^2/\text{h}$  (C)  ~~$\text{m}^2/\text{h}$~~  (D)  $\text{m}^2/\text{hK}$
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~~ 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~~ 18.6 kW

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PR N. LIPAL.  
 Knowledge Institute of Technology  
 Akapattanam (R.O) Salem - 837 504



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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	Mohanraj. R.E			
Register No	611213114120			
Date	23.1.17	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
J.R	40			
Faculty Signature				
Ram				

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- 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
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(A) Expansion valve to the evaporator (B) Evaporator to the thermostat  
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 (A) 5°C      (B) 8°C      (C) 14°C      (D) 22°C
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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  
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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
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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  
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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  
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 (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)  $\text{m}^2/\text{hK}$  (B)  $\text{m}^2/\text{h}$  (C)  ~~$\text{m}^2/\text{h}$~~  (D)  $\text{m}^2/\text{hK}$
47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity)  
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 (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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 (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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Kakadavayam (PO), Salem - 637 504

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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	S. Manikandan			
Register No	611213114106			
Date	23.1.17	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
JR	A5			
Faculty Signature				

ANSWER ALL THE QUESTIONS-(50X01=50)

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 (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  
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- 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



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
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

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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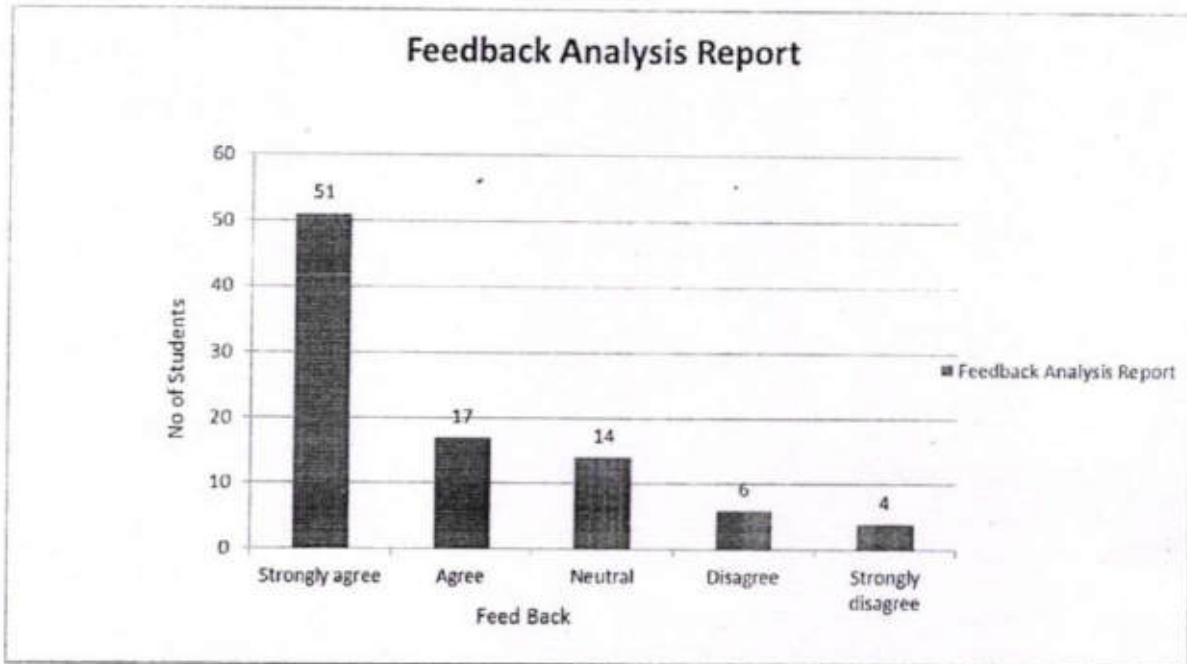
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SALEM**  
Department Of Mechanical Engineering



Academic Year: 2016-2017

Batch: 2014-2018

Year:III



**STUDENTS SUGGESTION TO IMPROVEMENTS:**

- 90 % of the students are expected one day workshop on "Job opportunities in HVAC fields".
- Need industrial visit/Intern on HVAC field.
- Around 30 % of the students are expecting more number of In-House project from heat load calculations.

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## ***Certificate of Completion***

This certificate is awarded to  
**ABIRAMI.G (611213114701)**

In recognition of successful completion of  
***“Design of Practical HVAC System”***

Conducted by “IIC-Center” from 01.08.2016 to 19.08.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

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## ***Certificate of Completion***


This certificate is awarded to  
**GOKULRAJ.G (611214114043)**

In recognition of successful completion of

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

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Department of Mechanical Engineering, Knowledge Institute of  
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## ***Certificate of Completion***

This certificate is awarded to

**KRISHNA MURTHI.J (611214114086)**

In recognition of successful completion of

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

Conducted by “IK-Center” from 01.08.2016 to 19.08.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology salem, Tamilnadu, India.

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## ***Certificate of Completion***

This certificate is awarded to

**MUTHUSURESH S (611214114118)**

In recognition of successful completion of

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

Conducted by “IK-Center” from 01.08.2016 to 19.08.2016  
Department of Mechanical Engineering, Knowledge Institute of  
Technology Salem, Tamilnadu, India.

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## ***Certificate of Completion***

This certificate is awarded to

**PRIYADARSHINI.M (611214114144)**

In recognition of successful completion of

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

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## ***Certificate of Completion***

This certificate is awarded to

**KARAN S (611214114317)**

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

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## ***Certificate of Completion***

This certificate is awarded to  
**ARUNACHALAM T (611214114012)**

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

Conducted by “IIK-Center” from 02.01.2017 to 21.01.2017  
Department of Mechanical Engineering, Knowledge Institute of  
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## ***Certificate of Completion***

This certificate is awarded to  
**DINESH.C (611214114029)**

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

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## ***Certificate of Completion***

This certificate is awarded to

**MANIMARAN A (611214114099)**

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

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## ***Certificate of Completion***

This certificate is awarded to

**MOHAN RAJ N (611214114113)**

In recognition of successful completion of  
*“Components sizing and selection for  
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## ***Certificate of Completion***

This certificate is awarded to

**NAVEEN KUMAR K K (611214114328)**

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

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

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## ***Certificate of Completion***


This certificate is awarded to  
**JEEVA S (611214114066)**


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Kakapalayam (PO), Salem – 637 504		www.kiot.ac.in	04.07.2016

### REPORT OF THE EVENT

<b>Date</b>	: 27.06.2016- 01.07.2016	<b>Resource person</b>	: <b>Mr.M.E.Rajamanikam</b> Managing Director, Bits 'n' Watts Embedded Solution, Chennai.
<b>Time</b>	: 09.00 am to 04.50 pm	<b>Title</b>	: Certificate Course on "Hardware & Software Interface design"
<b>Venue</b>	: <b>B-Block</b> (CC4-LAB)	<b>No. of Participants</b>	: 22 (III-ECE students)

#### Students Learning:

Students are able to learn about Hardware interface design (HID) is a cross-disciplinary design field that shapes the physical connection between people and technology in order to create new hardware interfaces that transform purely digital processes into analog methods of interaction. It employs a combination of filmmaking tools, software prototyping, and electronics breadboarding.

Through this parallel visualization and development, hardware interface designers are able to shape a cohesive vision alongside business and engineering that more deeply embeds design throughout every stage of the product. The development of hardware interfaces as a field continues to mature as more things connect to the internet.

Hardware interface designers draw upon industrial design, interaction design and electrical engineering. Interface elements include touchscreens, knobs, buttons, sliders and switches as well as input sensors such as microphones, cameras, and accelerometers.

Systems design is the process of defining the architecture, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development. User Interface Design is concerned with how users add information to the system and with how the system presents information back to them. Data Design is concerned with how the data is represented and stored within the system. Finally, Process Design is concerned with how data moves through the system, and with how and where it is validated, secured and/or transformed as it flows into, through and out of the system. At the end of the system design phase, documentation describing the three sub-tasks is produced and made available for use in the next phase.







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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Circular No.	2016-17/05	Date	24/06/2016
To	III <sup>rd</sup> Year ECE Students		
Subject	Certificate Course on "Hardware & Software Interface design"	From-to	27.06.2016- 01.07.2016

Department of ECE organizes Certificate Course on "Hardware & Software Interface design" for III<sup>rd</sup> Year ECE Students. In this regard the interested Students of III<sup>rd</sup> Year ECE are requested to attend program without fail.

Date & Time	Name of the Program	Resource Person	Venue
27.06.2016- 01.07.2016 (09.00 am to 04.50pm )	Certificate Course on "Hardware & Software Interface design"	Mr.M.E.Rajamanikam Managing Director, Bits 'n' Watts Embedded Solution, Chennai.	B-Block (CC4-LAB )

*Pinesh*  
24/06/16  
FACULTY INCHARGE

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24/6/16  
HOD/ECE

*[Signature]*  
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Rakapalle (PO) Salem - 637 504

From:

Mr.G.Dineshkumar,  
Assistant Professor / ECE.  
Department of Electronics and Communication Engineering,  
Knowledge Institute of Technology,  
Salem.

To:

The Principal,  
Knowledge Institute of Technology,  
Salem

Through: Head of the Department,  
Department of Electronics and Communication Engineering

Respected Sir.

Sub: Certificate Course conduction-regarding

Department of Electronics and Communication Engineering organizing Certificate Course on "Hardware & Software Interface design". In this regard, I request your permission to execute the Certificate Course for III<sup>rd</sup> Year Electronics and Communication Engineering students.

Thanking You

Salem

24.06.2016

Yours Faithfully  
*Dinesh*  
Mr.G.Dineshkumar

*pm*  
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Knowledge Institute of Technology,  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Circular No.	2016-17/05	Date	24/06/2016
To	III <sup>rd</sup> Year ECE Students		
Subject	Certificate Course on " <b>Hardware &amp; Software Interface design</b> "	From-to	27.06.2016- 01.07.2016

**Syllabus**

**Unit-1**

Data representation; assembly language and assembly-level computer architecture; performance measurement and optimization; the memory hierarchy, including I/O and devices; virtual memory; storage management; and interrupts, signals, and process control.

**Unit-2**

Design Process – Requirements – Specifications - Architecture Design - Designing of Components - System Integration

**Unit-3**

Component Interfacing - Memory Interfacing - I/O Device Interfacing - Interfacing Protocols - GPIB - FIREWIRE - USB - IRDA

**Unit-4**

Programming Languages - Desired Language Characteristics - Multi-tasking and Task Scheduling - Use of High Level Languages - C for Programming embedded systems - Programming and Run-time Environment - Compiling, Assembling, Linking – Debugging.

**Unit-5**

Implementation - Development Environment-Debugging Techniques - Manufacturing and Testing - Design Examples - Alarm Clock - Audio player - Software modem - Digital still camera.

*S.M.S*  
24/06/16

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

To III<sup>rd</sup> Year ECE Students

Subject Certificate Course on "Hardware & Software Interface design"

**Faculty Profile**

**M.E.Rajamanikam Profile:**

M.E. Rajamanikam is a leading industrialist based in Chennai who specialized in UPS and Power Supplies in the brand name of "Gemini".

His major clients are in the cable TV industry. He is a pioneer in the introduction of Power Pass Technology in cable TV in Tamilnadu.


He has around 32 years of experience in this field since the era of vacuum tubes. He is also an authorized dealer for Electronics for You in Kits 'n' Spare, Delhi and VEGA KITS, Mumbai.

He has also shared his expertise to student community by guiding them in their academic projects and conducting training courses.

He has conducted around 60 workshops in reputed educational institutions, which include 7 workshops in collaboration with Anna University and AICTE, 8 short-term training courses for Polytechnics and 40 individual seminars.

His field of interest includes Embedded System Design and Power Electronics.



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Question Paper**

Certificate Course on “Hardware & Software Interface design”

Name of the Student: Abinaya S

Class: III - ECE - B

1. Which of the following are header files?

- a) #include  
 b) file  
 c) struct()  
 d) proc()

2. Which of the following is also known as loader?

- a) locator  
 b) linker  
 c) assembler  
 d) compiler

3. Which of the following gives the final control to the programmer?

- a) linker  
 b) compiler  
 c) locator  
 d) simulator

4. Embedded systems applications typically involve processing information as

- A. Block level  
 B. Logical volumes  
 C. Distance  
 D. Signals

5. Processor must accept and process frame before next frame arrives, typically called

- A. Hard real-time systems  
 B. Real-time constraints  
 C. Real-data constraints  
 D. Soft real-time systems

6. Average time for a particular task is constrained as well as is number of instances when some maximum time is exceeded, stated approach is known as

- A. Hard real-time systems  
 B. Real-data constraints  
 C. Real-time constraints  
 D. Soft real-time systems

7. Caches can be converted into software-managed on-chip memories via

- A. Block level  
 B. Seek time  
 C. Line locking  
 D. Line blocking

8. Which type of non-privileged processor mode is entered due to raising of high priority of an interrupt?

13  
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Jinish

- a. User mode
  - b. Fast Interrupt Mode (FIQ)
  - c. Interrupt Mode (IRQ)
  - d. Supervisor Mode (SVC)
9. In the process of pipelining, which instructions are fetched from the memory by the ARM processor during the execution of current instruction?
- a. Previous
  - b. Present
  - c. Next
  - d. All of the above
10. If the three stages of execution in pipelining are overlapped, how would be the speed of execution?
- a. Higher
  - b. Moderate
  - c. Lower
  - d. Unpredictable
11. How is the nature of instruction size in CISC processors?
- a. Fixed
  - b. Variable
  - c. Both a and b
  - d. None of the above
12. What is/are the configuration status of control unit in RISC Processors?
- a. Hardwired
  - b. Microprogrammed
  - c. Both a and b
  - d. None of the above
13. While designing an embedded system, which sub-task oriented process allocates the time steps for various modules that share the similar resources?
- a. Simulation and Validation
  - b. Iteration
  - c. Hardware-Software Partitioning
  - d. Scheduling
14. In DAC 0808, which among the following is configured as a reference in addition to R-2R ladder and current switches?
- a. Voltage amplifier
  - b. Current amplifier
  - c. Transconductance amplifier
  - d. Transresistance amplifier
15. What is the size range of the alphanumeric LCDs?
- a. 1 to 8 characters
  - b. 8 to 80 characters
  - c. 100 to 150 characters
  - d. 250 to 400 characters
16. Which among the following is/are integrated by OTG controller in order to implement OTG dual-role device functionality?
- a. Host Controller
  - b. Device Controller
  - c. Master-only I<sup>2</sup>C bus interface
  - d. All of the above
17. In Von Neumann architecture, which among the following handles all the operations of the system that are inside and outside the processor?
- a. Input Unit
  - b. Output Unit



- c. Control Unit
- d. Memory Unit

18. In CPU structure, where is one of the operand provided by an accumulator in order to store the result?

- a. Control Unit
- b. Arithmetic Logic Unit
- c. Memory Unit
- d. Output Unit

19. Which types of embedded systems involve the coding at a simple level in an embedded 'C', without any necessity of RTOS?

- a. Small Scale Embedded Systems
- b. Medium Scale Embedded Systems
- c. Sophisticated Embedded Systems
- d. All of the above

20. In Cortex-A processor series, which among the following is the standalone and smallest processor in size constraints with high-end application support?

- a. Cortex-A5
- b. Cortex-A9
- c. Cortex-A53
- d. Cortex-A59

21. In DC motor interfacing, which field/s is/are generated by forcing current through the coil for spinning of the motor?

- a. Electric field
- b. Electrostatic field
- c. Magnetic field
- d. All of the above

22. Which of the following are not dependent on the actual hardware performing the physical task?

- a. applications
- b. hardware
- c. registers
- d. parameter block

23. Which of the following is an example of single task operating system?

- a. android
- b. windows
- c. IOS
- d. CP/M


24. Which of the following cannot carry implicit information?

- a. semaphore
- b. message passing
- c. threads
- d. process

25. Which of the following works by dividing the processor's time?

- a. single task operating system
- b. multitask operating system
- c. kernel
- d. applications

  
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 Beyond Knowledge	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Certificate Course on “Hardware & Software Interface design”- Name list


Year/Deg./Dept./Sem. : III B.E./ECE-A&B / V    Academic year: 2016-17    Date: 24/06/2016

S.No.	Name of the student	Section
1.	ABINAYA M	III-ECE-A
2.	ARCHANA R	III-ECE-A
3.	ARVIND R	III-ECE-A
4.	DINESH T	III-ECE-A
5.	GOKUL G	III-ECE-A
6.	GOKULAPRIYA V	III-ECE-A
7.	GOWTHAMAN A	III-ECE-A
8.	HEMA S	III-ECE-A
9.	HEMA PREETHA M	III-ECE-A
10.	ISHWARYA D	III-ECE-A
11.	JAYABHARATHI S	III-ECE-A
12.	JEEVAREKHA A	III-ECE-A
13.	ABINAYA S	III-ECE-B
14.	ABIRAMI B	III-ECE-B
15.	AMIRTHA VARSHINI S	III-ECE-B
16.	ANAND M	III-ECE-B
17.	BHARANIDHAR S	III-ECE-B
18.	BHUVANESHWARI K	III-ECE-B
19.	DEEPADHARSHINI N	III-ECE-B
20.	DHANASEKARAN A	III-ECE-B
21.	DIVYA A	III-ECE-B
22.	DIVYA M	III-ECE-B

*Pinesh*  
24/6/16  
Faculty Incharge

*[Signature]*  
24/6/16  
HOD, ECE



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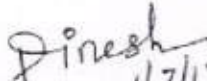
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Attendance**

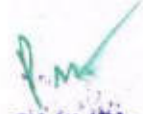
Certificate Course on “**Hardware & Software Interface design**”

Year/Deg./Dept./Sem. : III B.E./ECE-A&B /V      Academic year: 2016-17      Date: 24/06/2016

S.No.	Name of the student	Section	27.06.16	28.06.16	29.06.16	30.06.16	01.07.16
1.	ABINAYA M	III-ECE-A	/	/	/	/	/
2.	ARCHANA R	III-ECE-A	/	/	/	/	/
3.	ARVIND R	III-ECE-A	/	/	/	/	/
4.	DINESH T	III-ECE-A	/	/	/	/	/
5.	GOKUL G	III-ECE-A	/	/	/	/	/
6.	GOKULAPRIYA V	III-ECE-A	a	/	/	/	/
7.	GOWTHAMAN A	III-ECE-A	/	/	/	/	/
8.	HEMA S	III-ECE-A	/	/	/	/	/
9.	HEMA PREETHA M	III-ECE-A	/	a	/	/	/
10.	ISHWARYA D	III-ECE-A	/	/	/	/	/
11.	JAYABHARATHI S	III-ECE-A	/	/	/	/	/
12.	JEEVAREKHA A	III-ECE-A	/	/	/	/	/
13.	ABINAYA S	III-ECE-B	/	/	/	/	/
14.	ABIRAMI B	III-ECE-B	/	/	/	/	/
15.	AMIRTHA VARSHINI S	III-ECE-B	/	/	/	/	/
16.	ANAND M	III-ECE-B	/	/	/	/	/
17.	BHARANIDHAR S	III-ECE-B	/	/	/	/	/
18.	BHUVANESHWARI K	III-ECE-B	/	/	/	/	/
19.	DEEPADHARSHINI N	III-ECE-B	/	/	/	/	/
20.	DHANASEKARAN A	III-ECE-B	/	/	/	/	/
21.	DIVYA A	III-ECE-B	/	/	/	a	/
22.	DIVYA M	III-ECE-B	/	/	/	/	/

  
 11/7/17  
 Faculty Incharge

  
 11/7/17  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Evaluation of participants performance**

Certificate Course on “Hardware & Software Interface design”

Year/Deg./Dept./Sem. : III B.E./ECE-A&B /V      Academic year: 2016-17      Date: 01/07/2016

S.No.	Name of the student	Section	Marks Scored (50)
1.	ABINAYA M	III-ECE-A	38
2.	ARCHANA R	III-ECE-A	42
3.	ARVIND R	III-ECE-A	44
4.	DINESH T	III-ECE-A	46
5.	GOKUL G	III-ECE-A	42
6.	GOKULAPRIYA V	III-ECE-A	38
7.	GOWTHAMAN A	III-ECE-A	34
8.	HEMA S	III-ECE-A	36
9.	HEMA PREETHA M	III-ECE-A	32
10.	ISHWARYA D	III-ECE-A	44
11.	JAYABHARATHI S	III-ECE-A	38
12.	JEEVAREKHA A	III-ECE-A	28
13.	ABINAYA S	III-ECE-B	26
14.	ABIRAMI B	III-ECE-B	30
15.	AMIRTHA VARSHINI S	III-ECE-B	36
16.	ANAND M	III-ECE-B	32
17.	BHARANIDHAR S	III-ECE-B	34
18.	BHUVANESHWARI K	III-ECE-B	36
19.	DEEPADHARSHINI N	III-ECE-B	32
20.	DHANASEKARAN A	III-ECE-B	40
21.	DIVYA A	III-ECE-B	42
22.	DIVYA M	III-ECE-B	38

*Dinesh*  
01/07/16

Faculty Incharge

*[Signature]*  
01/07/16

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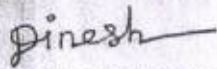
**Department of Electronics and Communication Engineering**



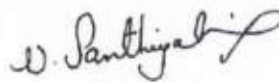
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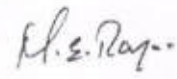
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This is to certify that Ms / Mr ABIRAM. B. W. ECE. B has successfully completed the Certificate Course on **Hardware & Software Interface design** from 27.06.16 To 01.07.16 conducted by Department of Electronics and Communication Engineering, Knowledge Institute of Technology.

  
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*Dinesh*  
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*[Signature]*  
DHANALAL,  
Knowledge Institute of Technology  
Kakapattanam (PO), Salem - 637 504

*W. Santhiyal*  
HOD/ ECE

*K. S. Raju*  
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*[Signature]*  
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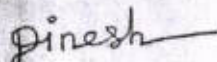
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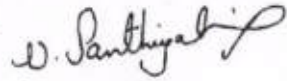
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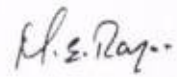
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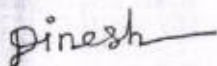
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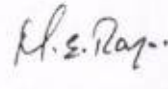
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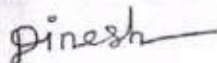
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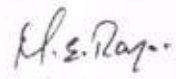
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**DEPARTMENT OF ECE**  
**FEEDBACK FORM**

Name of the Student: DIVYA-A

Title of the Course: Hardware and software Interface Design

Year/ Sem / Sec: III / V / B

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills	✓				
Sincerity/commitment	✓				
Additional resources available	✓				
Overall rating about lecture and Training	✓				

Two positive points about the Course:

1. Overall session was very excellent. I was
2. Useful.

Suggestions for improvement:

1. —
- 2.

Divya A  
 (Signature of the student)



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**DEPARTMENT OF ECE**  
**FEEDBACK FORM**

Name of the Student: ABINAYA.M.

Title of the Course: Hardware and Software Interface Design.

Year/ Sem / Sec: III ECE - A

Dept : ECE

Date: 01.07.18.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills		✓			
Sincerity/commitment	✓				
Additional resources available	✓				
Overall rating about lecture and Training	✓				

Two positive points about the Course:

1. very helpful to do project and learned more
2. knowledge on Embedded.

Suggestions for improvement:

1. need of some examples in Real time
- 2.

*Abinaya.M.*  
 (Signature of the student)

*As*  
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 Knowledge Institute of Technology  
 Akshaya Vihar, Salem - 637 504

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**DEPARTMENT OF ECE**

**FEEDBACK FORM**

Name of the Student: Dinesh.T

Title of the Course: Hardware and software Interface Design.

Year/ Sem / Sec: III - ECE-A

Dept : ECE

Date: 01.07.16

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills	✓				
Sincerity/commitment		✓			
Additional resources available	✓				
Overall rating about lecture and Training		✓			

Two positive points about the Course:

1. Learned more practical concepts in Embedded
2. System.

Suggestions for improvement:

1. -
- 2.

Dinesh.T  
(Signature of the student)



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**DEPARTMENT OF ECE**

**FEEDBACK FORM**

Name of the Student: HEMA S.

Title of the Course: Hardware and software Interface Design.

Year/ Sem / Sec: III - ECE - A

Dept : ECE

Date: 01.07.18

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills	✓				
Sincerity/commitment	✓				
Additional resources available		✓			
Overall rating about lecture and Training	✓				

Two positive points about the Course:

1. The session was very good.
2. Learned more Hardware and software skills.

Suggestions for improvement:

1. —
- 2.

Hema S.  
(Signature of the student)

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**DEPARTMENT OF ECE**  
**FEEDBACK FORM**

Name of the Student: Anand.M.

Title of the Course: Hardware and Software Interface Design

Year/ Sem / Sec: III / V / B

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills		✓			
Sincerity/commitment		✓			
Additional resources available		✓			
Overall rating about lecture and Training		✓			


Two positive points about the Course:

1. The course was very useful for us to
2. do projects & placements.

Suggestions for improvement:

1. Need of some materials.
- 2.

Anand.M.  
(Signature of the student)

  
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 Sakabalavan (PO), Salem - 637 504





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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Circular No.	2016-17/05	Date	24/06/2016
To	II <sup>nd</sup> Year ECE Students		
Subject	Certificate Course on " <b>Testing digital memory, mixed signal VLSI circuits</b> "	From-to	27.06.2016- 01.07.2016

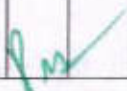
Department of ECE organizes Certificate Course on "Testing digital memory, mixed signal VLSI circuits" for II<sup>nd</sup> Year ECE Students. In this regard the interested Students of II<sup>nd</sup> Year ECE are requested to attend program without fail.

Date & Time	Name of the Program	Resource Person	Venue
27.06.2016-01.07.2016 (09.00 am to 04.50pm )	Certificate Course on "Testing digital memory, mixed signal VLSI circuits"	Mrs.Rooparamasamy, Consultant for RV-VLSI, Bangalore.	E-Block (PG VLSI -LAB )

  
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*	*	*	*	*	*	*				*			*	*
														

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

From:

Mr.M.Shenbagapriya,  
Assistant Professor / ECE.  
Department of Electronics and Communication Engineering,  
Knowledge Institute of Technology,  
Salem.

To:

The Principal,  
Knowledge Institute of Technology,  
Salem

*permitted*  
*PM*

Through: Head of the Department,  
Department of Electronics and Communication Engineering

Respected Sir,

Sub: Certificate Course conduction-regarding

Department of Electronics and Communication Engineering organizing Certificate Course on "Testing digital memory, mixed signal VLSI circuits". In this regard, I request your permission to execute the Certificate Course for II<sup>nd</sup> Year Electronics and Communication Engineering students.

Thanking You

Salem

24/06/2016

*M.S.P.*  
Yours Faithfully

Mr.M.Shenbagapriya

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





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**SALEM-637 504.**

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Circular No.	2016-17/05	Date	24/06/2016
To	II <sup>nd</sup> Year ECE Students		
Subject	Certificate Course on "Testing digital memory, mixed signal VLSI circuits"	From-to	27.06.2016- 01.07.2016

### Syllabus

#### Unit-1

Scope of testing and verification in VLSI design process. Issues in test and verification of complex chips, embedded cores and SOCs.

#### Unit-2

Fundamentals of VLSI testing. Automatic test pattern generation. Test interface and boundary scan. System testing and test for SOCs. Delay fault testing. BIST for testing of logic and memories. Test automation.

#### Unit-3

Design verification techniques based on simulation, analytical and formal approaches. Functional verification. Timing verification. Formal verification. Basics of equivalence checking and model checking. Hardware emulation.

#### Unit-4

CMOS testing: Testing of static and dynamic circuits. Fault diagnosis: Fault models for diagnosis, Cause- effect diagnosis, Effect-cause diagnosis.

#### Unit-5

Static and Dynamic Latches and Registers, Timing issues, pipelines, clock strategies, Memory architecture and memory control circuits, Low power memory circuits.

*M.S.*  
24/06/16  
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*PK*  
PK N. LIPAL,  
Knowledge Institute of Technology  
Akshaya (PO) Salem - 637 504

*S*  
24/06/16  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

To II<sup>nd</sup> Year ECE Students

Subject Certificate Course on “ Testing digital memory, mixed signal VLSI circuits”

**Faculty Profile**

**Mrs.Rooparamasamy Profile:**

She bring along a solid foundation in the field of VLSI Design Training, Online Teaching & Training and Math Mentorship. As an Instructor, she provide quality coaching and employing technical expertise to imbibe strong industry skills in Electronics Engineers, College Students, and other Professionals looking to bolster their skill set across Logic Design, RTL Design and Verification, System Verilog and UVM.

Over the years, she had been leading result-oriented training programs / sessions across institutions and organizations. she have successfully delivered training programs to engineering colleges under the RV-VLSI and IEEE umbrella and have contributed to the method of teaching RTL-Design/Verification/System Verilog and UVM, gaining the stature of a trusted expert in the field. she am skilled at conceptualization, and executing online Skills Development & Learning programs with a focus to upgrade students' skills and working knowledge.

On many occasions, she have been invited as a Guest Faculty to a number of well reputed Engineering colleges. she have conducted numerous workshops, training sessions, and seminars leveraging her strong grasp over VLSI concepts. she am capable of maintaining the same standards via online classes, being known for writing and thoroughly explaining programs live in class.

Besides, she am also a Consultant with IDEK firm and develop Math Manipulatives for Children and provide Math tuitions to students (5th to 10th class) on the online platform “Vedantu”. What preceded her teaching endeavors was her job as a Design Engineer for Texas Instruments, she was involved in a host of duties pertaining to Testing and DFT, while rooting out & diminishing the problem space from corner case failures and estimating potential failures. Eventually, her passion to be an exemplary teacher devoted to contributing to professional education with the intent to igniting and ~~instructing~~ <sup>inspiring</sup> young minds.



she employed her experience in mentoring and teaching to start working as an online instructor for Mathematics for 'Vedantu' which is an online tutoring company since August 2016. Prior to this, she have been personally tutoring students on Math.

At Vedantu, she have successfully established an educational atmosphere where learners have the opportunity to ful fill their potential and demonstrated results in the form of students achieving academic success.


Her key role is to improvise on the basic lesson plans and teaching methods with a focus to provide a more dedicated approach to each student. she constantly aim to establish healthy relationships with the students, relying on word of mouth and positive feedback to increase enrollment in the online programs. she have accomplished about 750 sessions in Vedantu with a rating of 4.9/5 and garnered positive feedback and praise. Additionally, she have steadily developed Math manipulatives for IDEK for children from 6th-8thstandards to support their understanding of Math.


She started her career as with Texas Instruments India Pvt. Ltd. Her duties chiefly focused on Design for Testability operations, right from creation of the spec, to design and onto verification. Being accredited for developing various Test structures for multiple SOCs while coding the complete Test Controller Block in Verilog and verifying it at the at the top level.

She worked extensively on the VLCT (Very Low-Cost Tester) interface successfully led many real time implementations for the products.

She completed Bachelor's Degree in the Field of Study Bachelor of Engineering (Electronics and Communication) Grade 81% Dates attended or expected graduation 1999 – 2003 Activities and Societies: Elocution, Essay Writing, Public Speaking and other Literary Activities Teaching/Mentoring at B. M. S. College of Engineering.

Domain of Interest : Digital Electronics, Digital Design Using Verilog, VLSI.

  
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Knowledge Institute of Technology  
Kakabalavam (TN) Salem - 637 504

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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Certificate Course on “Testing digital memory, mixed signal VLSI circuits”- Name list

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 24/06/2016


S.No.	Name of the student	Section
1.	AKASH S	II-ECE-A
2.	ANURAKSHANA M	II-ECE-A
3.	ARAVINTH K	II-ECE-A
4.	ARJUN BHARATH S	II-ECE-A
5.	ARNIKA PRAISY C	II-ECE-A
6.	ASIF ALI KHAN A	II-ECE-A
7.	ATHIRA K R	II-ECE-A
8.	BAVITHRAN S	II-ECE-A
9.	DEVIT S	II-ECE-A
10.	DHANUSHKUMAR B	II-ECE-A
11.	AGILAN P	II-ECE-B
12.	AKILA T	II-ECE-B
13.	ANU K	II-ECE-B
14.	ARULRAJ P	II-ECE-B
15.	ASIF ALI A	II-ECE-B
16.	BASKAR K	II-ECE-B
17.	DEEPTI M	II-ECE-B
18.	DHIVYA N	II-ECE-B
19.	GIRIHARAN A B	II-ECE-B
20.	GOMATHI D	II-ECE-B

M.S. C. J.  
24/6/16  
Faculty Incharge

P. M.  
PRINCIPAL

P. M.  
24/6/16  
HOD/ECE



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Attendance**

Certificate Course on “Testing digital memory, mixed signal VLSI circuits”

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 24/06/2016


S.No.	Name of the student	Section	27.06.16	28.06.16	29.06.16	30.06.16	01.07.16
1.	AKASH S	II-ECE-A	/	/	/	/	/
2.	ANURAKSHANA M	II-ECE-A	/	/	/	/	/
3.	ARAVINTH K	II-ECE-A	/	/	/	/	/
4.	ARJUN BHARATH S	II-ECE-A	a	/	/	/	/
5.	ARNIKA PRAISY C	II-ECE-A	/	/	/	/	/
6.	ASIF ALI KHAN A	II-ECE-A	/	/	/	/	/
7.	ATHIRA K R	II-ECE-A	/	/	/	/	/
8.	BAVITHRAN S	II-ECE-A	/	/	/	/	/
9.	DEVI T S	II-ECE-A	/	/	/	/	/
10.	DHANUSHKUMAR B	II-ECE-A	/	/	/	/	/
11.	AGILAN P	II-ECE-B	/	/	/	/	/
12.	AKILA T	II-ECE-B	/	/	/	/	/
13.	ANU K	II-ECE-B	/	/	/	/	/
14.	ARULRAJ P	II-ECE-B	/	/	a	/	/
15.	ASIF ALI A	II-ECE-B	/	/	/	/	/
16.	BASKAR K	II-ECE-B	/	/	/	/	/
17.	DEEPTI M	II-ECE-B	/	/	/	/	/
18.	DHIVYA N	II-ECE-B	/	/	/	/	/
19.	GIRIHARAN A B	II-ECE-B	/	a	/	/	/
20.	GOMATHI D	II-ECE-B	/	/	/	/	/

M. S. LIP  
11/7/16  
Faculty Incharge

PK N. LIPAL.

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11/7/16

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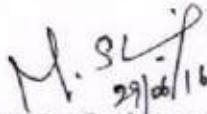
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Evaluation of participants performance**

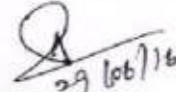
Certificate Course on "Testing digital memory, mixed signal VLSI circuits"

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 24/06/2016


S.No.	Name of the student	Section	Marks Scored (50)
1.	AKASH S	II-ECE-A	34
2.	ANURAKSHANA M	II-ECE-A	32
3.	ARAVINTH K	II-ECE-A	36
4.	ARJUN BHARATH S	II-ECE-A	38
5.	ARNIKA PRAISY C	II-ECE-A	42
6.	ASIF ALI KHAN A	II-ECE-A	44
7.	ATHIRA K R	II-ECE-A	46
8.	BAVITHRAN S	II-ECE-A	42
9.	DEVI T S	II-ECE-A	38
10.	DHANUSHKUMAR B	II-ECE-A	34
11.	AGILAN P	II-ECE-B	36
12.	AKILA T	II-ECE-B	32
13.	ANU K	II-ECE-B	44
14.	ARULRAJ P	II-ECE-B	38
15.	ASIF ALI A	II-ECE-B	42
16.	BASKAR K	II-ECE-B	44
17.	DEEPTII M	II-ECE-B	46
18.	DHIVYA N	II-ECE-B	42
19.	GIRIHARAN A B	II-ECE-B	38
20.	GOMATHI D	II-ECE-B	32

  
 Faculty Incharge

  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Question Paper**

Certificate Course on "Testing digital memory, mixed signal VLSI circuits"

Name of the Student: Anurakshna M  
 Class: 15 - ECE-A

Date: 01.07.16.

1. VLSI technology uses \_\_\_\_\_ to form integrated circuit
  - a) transistors
  - b) switches
  - c) diodes
  - d) buffers
2. Medium scale integration has
  - a) ten logic gates
  - b) fifty logic gates
  - c) hundred logic gates
  - d) thousands logic gates
3. The difficulty in achieving high doping concentration leads to
  - a) error in concentration
  - b) error in variation
  - c) error in doping
  - d) distribution error
4. \_\_\_\_\_ is used to deal with effect of variation
  - a) chip level technique
  - b) logic level technique
  - c) switch level technique
  - d) system level technique
5. As die size shrinks, the complexity of making the photomasks
  - a) increases
  - b) decreases
  - c) remains the same
  - d) cannot be determined
6. \_\_\_\_\_ architecture is used to design VLSI
  - a) system on a device

16  
25

M. S. L.  
01/07/16

PK

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- b) single open circuit
  - c) system on a chip
  - d) system on a circuit
7. The design flow of VLSI system is
1. architecture design 2. market requirement 3. logic design 4. HDL coding
- a) 2-1-3-4
  - b) 4-1-3-2
  - c) 3-2-1-4
  - d) 1-2-3-4
8. \_\_\_\_\_ is used in logic design of VLSI
- a) LIFO
  - b) FIFO
  - c) FILO
  - d) LILO
9. Which provides higher integration density?
- a) switch transistor logic
  - b) transistor buffer logic
  - c) transistor transistor logic
  - d) circuit level logic
10. Physical and electrical specification is given in
- a) architectural design
  - b) logic design
  - c) system design
  - d) functional design
11. \_\_\_\_\_ impurities are added to the wafer of the crystal
- a) n impurities
  - b) p impurities
  - c) silicon
  - d) crystal
12. What kind of substrate is provided above the barrier to dopants?
- a) insulating
  - b) conducting
  - c) silicon
  - d) semi conducting



13. The photoresist layer is exposed to
- a) visible light
  - b) ultraviolet light
  - c) infra red light
  - d) LED
14. In nMOS device, gate material could be
- a) silicon
  - b) polysilicon
  - c) boron
  - d) phosphorus
15. Heavily doped polysilicon is deposited using
- a) chemical vapour decomposition
  - b) chemical vapour deposition
  - c) chemical deposition
  - d) dry deposition
16. In diffusion process, \_\_\_\_\_ impurity is desired
- a) n type
  - b) p type
17. Contact cuts are made in
- a) source
  - b) drain
  - c) metal layer
  - d) diffusion layer
18. Interconnection pattern is made on
- a) polysilicon layer
  - b) silicon-di-oxide layer
  - c) metal layer
  - d) diffusion layer
19. CMOS technology is used in developing
- a) microprocessors
  - b) microcontrollers
  - c) digital logic circuits
  - d) all of the mentioned
20. CMOS has
- a) high noise margin

- b) high packing density
- c) high power dissipation
- d) ~~high complexity~~

21. Oxidation process is carried out using

- a) ~~hydrogen~~
- b) low purity oxygen
- c) sulphur
- d) nitrogen

22. Photoresist layer is formed using

- a) high sensitive polymer
- b) ~~light sensitive polymer~~
- c) polysilicon
- d) silicon di oxide

23. In CMOS fabrication, the photoresist layer is exposed to

- a) visible light
- b) ultraviolet light
- c) infra red light
- d) ~~fluorescent~~

24. Which has high input resistance?

- a) ~~nMOS~~
- b) CMOS
- c) pMOS
- d) BiCMOS

25. Silicon oxide is patterned on a substrate using:

- a) Physical lithography
- b) Photolithography
- c) ~~Chemical lithography~~
- d) Mechanical lithography





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**Department of Electronics and Communication Engineering**



# Certificate of Completion



This is to certify that ~~Ms~~ / Mr AKASH S D ECE A..... has successfully completed the Certificate Course on **Testing digital memory, mixed signal VLSI circuits** from 27.6.16 To 01.07.16.... conducted by Department of Electronics and Communication Engineering, Knowledge Institute of Technology.

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*Pr*  
PRINCIPAL  
Knowledge Institute of Technology  
An (P) Salem - 637 504

*V. Panthiyath Ramesh*  
HOD/ECE RV- TRAINER

*P. S. S.*  
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**Department of Electronics and Communication Engineering**



**Certificate of Completion**



This is to certify that Ms / ~~Mr~~ .D.E.Y..T.S..II..ECE..A.. has successfully completed the Certificate Course on **Testing digital memory, mixed signal VLSI circuits** from 27.6.16 To 01.07.16... conducted by Department of Electronics and Communication Engineering, Knowledge Institute of Technology.

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

*V. Panthiyath* *Rose*  
HOD/ ECE      RV- TRAINER

*P. S. S.*  
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**Department of Electronics and Communication Engineering**



# Certificate of Completion



This is to certify that Ms / ~~Mr~~ **AKILA.T.D.ECE.B**.... has successfully completed the Certificate Course on **Testing digital memory, mixed signal VLSI circuits** from **27.6.16** To **01.7.16**.... conducted by Department of Electronics and Communication Engineering, Knowledge Institute of Technology.

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Knowledge Institute of Technology  
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HOD/ ECE

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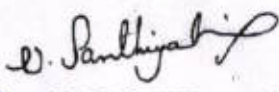
## Certificate of Completion

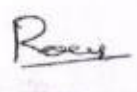


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Department of Electronics and Communication Engineering



## Certificate of Completion



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*M.S.K.P*  
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*Pm*  
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Knowledge Institute of Technology  
Salem (PT) - Salem - 637 504

*V. Panthiyal*  
HOD/ ECE

*Rosey*  
RV- TRAINER

*Pm*  
PRINCIPAL

**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504**  
**DEPARTMENT OF ECE**  
**FEEDBACK FORM**

Name of the Student: Cromathi. D

Title of the Course: Testing digital memory, mixed signal VLSI circuit

Year/ Sem / Sec: II / III / B.

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills		✓			
Sincerity/commitment	✓				
Additional resources available	✓				
Overall rating about lecture and Training		✓			

Two positive points about the Course:

1. It is useful for studying the VLSI
2. Subject is doing project in VLSI area.

Suggestions for improvement:

1. ✓
- 2.

Cromathi D  
 (Signature of the student)



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**DEPARTMENT OF ECE**

**FEEDBACK FORM**

Name of the Student: Akash S

Title of the Course: Testing, digital memory, mixed signal VLSI circ

Year/ Sem / Sec: II / III / A

Dept : ECE

Date: 01.7.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills		✓			
Sincerity/commitment	✓				
Additional resources available	✓				
Overall rating about lecture and Training	✓				

Two positive points about the Course:

- The course & was very Interesting and learned more things.
- 

Suggestions for improvement:

- ✓
- 

Akash S  
(Signature of the student)

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Kakadavvam (PO) Salem - 637 504

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DEPARTMENT OF ECE

FEEDBACK FORM

Name of the Student: Barithman S

Title of the Course: Testing digital memory, mixed signal VLSI cir

Year/Sem/Sec: II / III / A

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject		✓			
Communication skills	✓				
Sincerity/commitment	✓				
Additional resources available	✓				
Overall rating about lecture and Training		✓			

Two positive points about the Course:

1. learned about testing digital memory
2. mixed signal VLSI circuits

Suggestions for improvement:

1. \_\_\_\_\_
2. \_\_\_\_\_

Barithman S  
(Signature of the student)



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**DEPARTMENT OF ECE**

**FEEDBACK FORM**

Name of the Student: Devi.T.S

Title of the Course: Testing digital memory, mixed signal / VLSI circuits

Year/ Sem / Sec: II / III / A

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills	✓				
Sincerity/commitment	✓				
Additional resources available		✓			
Overall rating about lecture and Training	✓				

**Two positive points about the Course:**

1. It is helpful to test digital memory & signal processing in VLSI circuits
- 2.

**Suggestions for improvement:**

1. Need of some materials
- 2.

Devi.T.S

(Signature of the student)

Pm

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DEPARTMENT OF ECE

FEEDBACK FORM

Name of the Student: Baskar. K.

Title of the Course: Testing digital memory, mixed signal VLSI circuit

Year/ Sem / Sec: II / III / B.

Dept : ECE

Date: 01.07.16.

Parameters	Please Tick mark on the appropriate box				
	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Speaker knowledge of the subject	✓				
Communication skills	✓				
Sincerity/commitment		✓			
Additional resources available	✓				
Overall rating about lecture and Training	✓				

Two positive points about the Course:

1. more skills learned about Testing digital
2. memory and mixed signal VLSI circuits

Suggestions for improvement:

1. Need some clarity in real time
2. examples.

*PK*

Baskar T.

(Signature of the student)





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SALEM-637 504**



Spoken Tutorial

**Department of Computer Science and Engineering**

**Quality Improvement Cell (QIC) & IIT Spoken Tutorial Online Courses**

Circular No.	2016-17/QIC/01	Date	03 / 08 / 2016
To	All Department HODs*		
Subject	<i>Enrollment for IIT Spoken Tutorial Online Courses &amp; Assessment Exam Notification</i>		

We are happy to inform that the **Quality Improvement Cell (QIC)** in association with **IIT Bombay Spoken Tutorial Online Courses Nodal Centre** have been planned to launch "**SPOKEN TUTORIAL ONLINE COURSES**" for this academic year. In this regard, we kindly request all the department spoken tutorial coordinators to submit the course name and student's name list on or before **08-08-2016**.

As we have received the approval from **IIT Bombay Spoken Tutorial Project Team** for conducting the assessment exam, I kindly request all the department coordinators to conduct the assessment exam for the last semester courses within this month.

**DEPARTMENT COORDINATORS:**

1. S.SURESHBALAJI/AP/MECH – 98427 - 75097
2. C.YUVARANI/AP/CSE – 94427 29565
3. R.PRASANNA/AP/ECE & R.RASU/AP/ECE – 95665 06690 & 96267 77976
4. J.GOPI KRISHNA/AP/CIVIL – 98406 045410
5. K.RAJA/AP/EEE – 76675 86091

For further details Please contact Prof.S.S.Aravinth/AP/CSE – 98944 48683

*S.S. Aravinth*  
OVERALL COORDINATOR

*[Signature]*  
HOD

*[Signature]*  
VICE PRINCIPAL

*To RR & PR  
Meet HOD in this  
regard  
[Signature]  
PRINCIPAL*

MECH	EEE	ECE	CSE	CIVIL	S&H	PD	LIB	AO	Trans port I/c	Hostel NB	Residential Warden	College NB	Office/ File
*	*	*	*	*	*			*				*	*
										<i>[Signature]</i>			

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



**Department of Computer Science and Engineering**

**Quality Improvement Cell (QIC) & IIT Spoken Tutorial Online Courses**

Circular No.	2016-17 / QIC / 03	Date	20 / 12 / 2016
To	All Department HODs' and Spoken Tutorial Coordinator's		
Subject	<i>Enrollment for IIT Spoken Tutorial Online Courses (Even Semester 2016-2017)</i>		

We are happy to inform that the **Quality Improvement Cell (QIC)** in association with **IIT Bombay Spoken Tutorial Online Courses Nodal Centre** have been planned to roll out the online courses for this semester. In this regard, we kindly request all the department spoken tutorial coordinators to submit the course name and name list of the students on or before **29-12-2016**.

**Important Note:**

The department coordinators are requested to submit the last semester report on or before 26-12-2016.

**Department Coordinators**

1. S.Sureshi Balaji /AP/MECH – 98427 75097
2. R.Prasanna/AP/<sup>CCE</sup>CSE & R.Rasu/AP/<sup>ECE</sup>CSE – 95665 06690 & 96267 77976
3. J.Gopi Krishna/AP/CIVIL – 98406 45410
4. K.Raja/AP/EEE – 76675 86091
5. C.Yuvarani/AP/CSE – 94427 29565

*To RR/RP & Ach  
- look into it &  
discuss*

For further details, Please contact

Mr.S.S.Aravinth/AP/CSE – 98944 48683


*[Signature]*  
OVERALL COORDINATOR

*[Signature]*  
HOD VICE PRINCIPAL

*[Signature]*  
PRINCIPAL

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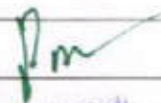
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

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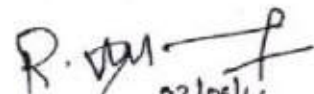
**Evaluation of Participants Performance**

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section
1.	NAVEENA D	56
2.	NAVEENKUMAR M	45
3.	POOJA S N	52
4.	PRASANTH C	65
5.	PRAVEENKUMAR J	54
6.	PRAVEENKUMAR R	48
7.	PRAVEEN KUMAR C	50
8.	PRAVEEN KUMAR N	56
9.	PRIYA DHARSHINI K.	60
10.	PRIYANKA P	62
11.	RAHUL GANESH G A	64
12.	RAMYA G (06-09-1997)	53
13.	RAMYA P	54
14.	RAMYALAKSHMI M	74
15.	RAVI SHANKARAN S	78
16.	ROSINI D	76
17.	SAKTHI SRIDEVI M	70
18.	SANJAY D	64
19.	SANTHOSH S	66
20.	SARAN R	65
21.	SARANYA V	52
22.	SARANYA DEVI A	49

  
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23.	SEENIVASAN K	58
24.	SHALINI B	52
25.	SHANMUGA PRIYA M	61
26.	SNEKA S	56
27.	SOWNDARIYA S	63
28.	THILAGAVATHI S	55
29.	THIRUMURUGAN J	58
30.	UMAMAHESWARI G	68
31.	VIGNESH V G	64
32.	GOBIVEL R	62
33.	MAHESWARI S	52
34.	MOHAN M	61
35.	RAMANAN M	56

  
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03/08/16  
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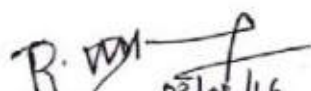
**Namelist**

**Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016**


S.No.	Name of the student	Section
1.	NAVEENA D	II-ECE-A
2.	NAVEENKUMAR M	II-ECE-A
3.	POOJA S N	II-ECE-A
4.	PRASANTH C	II-ECE-A
5.	PRAVEENKUMAR J	II-ECE-A
6.	PRAVEENKUMAR R	II-ECE-A
7.	PRAVEEN KUMAR C	II-ECE-A
8.	PRAVEEN KUMAR N	II-ECE-A
9.	PRIYA DHARSHINI K	II-ECE-A
10.	PRIYANKA P	II-ECE-A
11.	RAHUL GANESH G A	II-ECE-A
12.	RAMYA G (06-09-1997)	II-ECE-A
13.	RAMYA P	II-ECE-A
14.	RAMYALAKSHMI M	II-ECE-A
15.	RAVI SHANKARAN S	II-ECE-A
16.	ROSINI D	II-ECE-A
17.	SAKTHI SRIDEVI M	II-ECE-A
18.	SANJAY D	II-ECE-A
19.	SANTHOSH S	II-ECE-A
20.	SARAN R	II-ECE-A
21.	SARANYA V	II-ECE-A
22.	SARANYA DEVI A	II-ECE-A

  
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23.	SEENIVASAN K	II-ECE-A
24.	SHALINI B	II-ECE-A
25.	SHANMUGA PRIYA M	II-ECE-A
26.	SNEKA S	II-ECE-A
27.	SOWNDARIYA S	II-ECE-A
28.	THILAGAVATHI S	II-ECE-A
29.	THIRUMURUGAN J	II-ECE-A
30.	UMAMAHE SWARI G	II-ECE-A
31.	VIGHNESH V G	II-ECE-A
32.	GOBIVEL R	II-ECE-A
33.	MAHESWARI S	II-ECE-A
34.	MOHAN M	II-ECE-A
35.	RAMANAN M	II-ECE-A

  
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Certificate for completion of C Training

Evaluation of Participants Performance

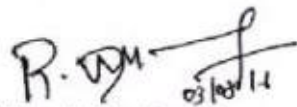
Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Marks
1.	AKASH S	56
2.	ANURAKSHANA M	60
3.	ARAVINTH K	62
4.	ARJUN BHARATH S	64
5.	ARNIKA PRAISY C	53
6.	ASIF ALI KHAN A	54
7.	ATHIRA K R	74
8.	BAVITHRAN S	78
9.	DEVI T S	76
10.	DHANUSHKUMAR B	70
11.	DINESH KUMAR M	64
12.	DINESH KUMAR S	66
13.	ELAMMUKILAN R	65
14.	GOKULRAJ K	52
15.	GOWTHAM S	49
16.	GOWTHAMAN T	58
17.	HARIPRAKASH J	52
18.	INDUMATHI MEENAKSHI S	61
19.	ISWARYA P	56
20.	KALAISELVI S	63
21.	KAVITHA V	55
22.	KISHORE V V	58

  
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23.	KISHORE KUMAR R	68
24.	MALATHI C	64
25.	MANJUREKHA T	62
26.	MERLIN JESSICA D	59
27.	MOHANA PRIYA S	61
28.	MOHANAVEL T	56
29.	MONISHA S	63
30.	MOOGAMBIGAI G R	62

  
03/08/14  
Faculty Incharge

  
03/08/14  
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Certificate for completion of C Training

Namelist

Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section
1.	AKASH S	II-ECE-A
2.	ANURAKSHANA M	II-ECE-A
3.	ARAVINTH K	II-ECE-A
4.	ARJUN BHARATH S	II-ECE-A
5.	ARNIKA PRAISY C	II-ECE-A
6.	ASIF ALI KHAN A	II-ECE-A
7.	ATHIRA K R	II-ECE-A
8.	BAVITHRAN S	II-ECE-A
9.	DEVI T S	II-ECE-A
10.	DHANUSHKUMAR B	II-ECE-A
11.	DINESH KUMAR M	II-ECE-A
12.	DINESH KUMAR S	II-ECE-A
13.	ELAMMUKILAN R	II-ECE-A
14.	GOKULRAJ K	II-ECE-A
15.	GOWTHAM S	II-ECE-A
16.	GOWTHAMAN T	II-ECE-A
17.	HARIPRAKASH J	II-ECE-A
18.	INDUMATHI MEENAKSHI S	II-ECE-A
19.	ISWARYA P	II-ECE-A
20.	KALAISELVI S	II-ECE-A
21.	KAVITHA V	II-ECE-A
22.	KISHORE V V	II-ECE-A



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23.	KISHORE KUMAR R	II-ECE-A
24.	MALATHI C	II-ECE-A
25.	MANJUREKHA T	II-ECE-A
26.	MERLIN JESSICA D	II-ECE-A
27.	MOHANA PRIYA S	II-ECE-A
28.	MOHANAVEL T	II-ECE-A
29.	MONISHA S	II-ECE-A
30.	MOOGAMBIGAI G R	II-ECE-A

  
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03/08/16  
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**Certificate for completion of C Training**

Attendance

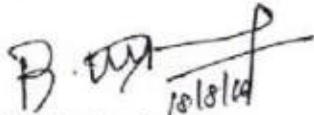
Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section	04.08.16	06.08.16	11.08.16	13.08.16	18.08.16
1.	AKASH S	II-ECE-A	/	/	/	/	/
2.	ANURAKSHANA M	II-ECE-A	/	/	/	/	/
3.	ARAVINTH K	II-ECE-A	/	a	/	/	/
4.	ARJUN BHARATH S	II-ECE-A	/	/	/	/	/
5.	ARNIKA PRAISY C	II-ECE-A	/	/	/	/	/
6.	ASIF ALI KHAN A	II-ECE-A	/	/	/	/	/
7.	ATHIRA K R	II-ECE-A	/	/	a	/	/
8.	BAVITHRAN S	II-ECE-A	/	/	/	/	/
9.	DEVI T S	II-ECE-A	/	/	/	/	/
10.	DHANUSHKUMAR B	II-ECE-A	/	/	/	/	/
11.	DINESH KUMAR M	II-ECE-A	/	/	/	/	/
12.	DINESH KUMAR S	II-ECE-A	/	/	a	/	a
13.	ELAMMUKILAN R	II-ECE-A	/	/	/	/	/
14.	GOKULRAJ K	II-ECE-A	/	a	/	/	/
15.	GOWTHAM S	II-ECE-A	a	/	/	/	/
16.	GOWTHAMAN T	II-ECE-A	/	/	/	/	/
17.	HARIPRAKASH J	II-ECE-A	/	/	/	/	/
18.	INDUMATHI MEENAKSHI S	II-ECE-A	/	/	/	/	a
19.	ISWARYA P	II-ECE-A	/	/	/	/	/
20.	KALAISELVI S	II-ECE-A	a	/	/	a	/
21.	KAVITHA V	II-ECE-A	/	/	/	/	/

*Principal*

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Knowledge Institute of Technology  
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22.	KISHORE V V	II-ECE-A	/	/	/	/	/
23.	KISHORE KUMAR R	II-ECE-A	/	a	/	/	/
24.	MALATHI C	II-ECE-A	/	/	/	/	/
25.	MANJUREKHA T	II-ECE-A	/	/	a	/	/
26.	MERLIN JESSICA D	II-ECE-A	/	/	/	/	/
27.	MOHANA PRIYA S	II-ECE-A	/	/	/	a	/
28.	MOHANAVEL T	II-ECE-A	/	/	/	/	/
29.	MONISHA S	II-ECE-A	/	/	/	/	/
30.	MOOGAMBIGAI G R	II-ECE-A	/	/	/	/	/

  
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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 /V      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section
1.	AGILAN P	52
2.	AKILA T	61
3.	ANU K	56
4.	ARULRAJ P	64
5.	ASIF ALI A	53
6.	BASKAR K	54
7.	DEEPTII M	74
8.	DHIVYA N	78
9.	GIRIHARAN A B	76
10.	GOMATHI D	70
11.	GOWSIKA V	64
12.	GOWTHAMAPRIYA S	66
13.	HEMANAND S	65
14.	INBA R	52
15.	INDHUJA P	49
16.	INDUMATHI KUMARESAN	58
17.	ISWARYA S	52
18.	JANANI S	61
19.	KANISHKAR K R	56
20.	KARTHIKA S	63
21.	KAVITHA M	55
22.	KAVIYA S (21-10-1997)	58

  
Principal,

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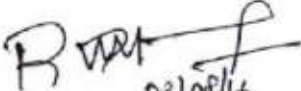
23.	KAVIYA S (05-12-1997)	68
24.	KAVYA S	64
25.	KOMATHI E M	62
26.	LOGESHWARAN V	59
27.	MAHESHAVARTHINI G	61
28.	MANIKANDAN S	56
29.	MOHANARANGAM S	63
30.	MONISHA G	62
31.	NANDHINI U	64
32.	NAVEEN V G	53
33.	NAVEENRAJ S	54
34.	NIRMALRAJ S	74
35.	NITHYA T	78
36.	OVIYA S	76
37.	PAVITHRA A	70
38.	PRAVEEN KUMAR B K	64
39.	PRIYAA A M	66
40.	PRIYADHARSHINI C	65
41.	RAMYA G (24-03-1997)	52
42.	RAMYA V	49
43.	ROJA M	58
44.	SAAI GHOUTHAM R S	52
45.	SAKUNTHALA DEVI K	61
46.	SARANYA S	56
47.	SASIKALA P	63
48.	SELVI S	55
49.	SHERAAZ S	58
50.	SOUNDARYA S	68
51.	SOWMITHIRA R	64
52.	SOWNDHARYA PRABHA A	62
53.	SRIUMADEVI B	59

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54.	SUGANESH M	61
55.	VELMURUGAN B	56
56.	VELMURUGAN S A	63
57.	VIJAY C	62
58.	VIJAYARAM S K	52
59.	VIJAY ARAVIND M	61
60.	ARAVIND KUMAR B	56
61.	SANGEETHA S	63
62.	SRIDHARAN P	55
63.	SRINIVASAN M	58
64.	THENMOZHI K	63

  
03/08/16  
Faculty Incharge

  
03/08/16  
HOD/ECE

  
Principal,  
Knowledge Institute of Technology,  
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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Cpp Training**

**Attendance**

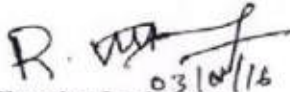
Year/Deg./Dept./Sem. : II B.E./ECE-A&B /III      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section	04.08.16	06.08.16	11.08.16	13.08.16	18.08.16
1.	NAVEENA D	II-ECE-A	/	/	/	/	/
2.	NAVEENKUMAR M	II-ECE-A	/	/	/	/	/
3.	POOJA S N	II-ECE-A	/	a	/	/	/
4.	PRASANTH C	II-ECE-A	/	/	/	/	/
5.	PRAVEENKUMAR J	II-ECE-A	/	/	/	/	/
6.	PRAVEENKUMAR R	II-ECE-A	/	/	/	/	/
7.	PRAVEEN KUMAR C	II-ECE-A	/	/	/	/	/
8.	PRAVEEN KUMAR N	II-ECE-A	/	a	/	/	/
9.	PRIYA DHARSHINI K	II-ECE-A	/	/	/	/	/
10.	PRIYANKA P	II-ECE-A	/	/	/	/	/
11.	RAHUL GANESH G A	II-ECE-A	/	/	/	/	/
12.	RAMYA G (06-09-1997)	II-ECE-A	/	/	/	/	/
13.	RAMYA P	II-ECE-A	/	/	/	/	/
14.	RAMYALAKSHMI M	II-ECE-A	a	/	/	/	/
15.	RAVI SHANKARAN S	II-ECE-A	/	/	/	/	/
16.	ROSINI D	II-ECE-A	/	/	/	/	/
17.	SAKTHI SRIDEVI M	II-ECE-A	/	/	/	/	/
18.	SANJAY D	II-ECE-A	/	/	/	/	/
19.	SANTHOSH S	II-ECE-A	/	/	/	/	/
20.	SARAN R	II-ECE-A	/	/	/	/	/
21.	SARANYA V	II-ECE-A	/	/	/	/	/
22.	SARANYA DEVI A	II-ECE-A	/	/	/	/	/

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23.	SEENIVASAN K	II-ECE-A	/	/	/	/	/
24.	SHALINI B	II-ECE-A	/	/	/	/	/
25.	SHANMUGA PRIYA M	II-ECE-A	a	/	/	/	/
26.	SNEKA S	II-ECE-A	/	/	/	/	/
27.	SOWNDARIYA S	II-ECE-A	/	/	/	a	/
28.	THILAGAVATHI S	II-ECE-A	/	/	/	/	/
29.	THIRUMURUGAN J	II-ECE-A	/	a	/	/	/
30.	UMAMAHESWARI G	II-ECE-A	/	/	/	/	/
31.	VIGHNESH V G	II-ECE-A	/	/	/	/	/
32.	GOBIVEL R	II-ECE-A	/	/	/	/	/
33.	MAHESWARI S	II-ECE-A	/	/	/	/	a
34.	MOHAN M	II-ECE-A	/	/	/	/	/
35.	RAMANAN M	II-ECE-A	/	/	/	/	/

  
03/03/16  
Faculty Incharge

  
03/03/16  
HOD/ECE

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

 <i>Acquire Knowledge</i>	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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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 /V      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section
1.	AGILAN P	III-ECE-B
2.	AKILA T	III-ECE-B
3.	ANU K	III-ECE-B
4.	ARULRAJ P	III-ECE-B
5.	ASIF ALI A	III-ECE-B
6.	BASKAR K	III-ECE-B
7.	DEEPTI M	III-ECE-B
8.	DHIVYA N	III-ECE-B
9.	GIRIHARAN A B	III-ECE-B
10.	GOMATHI D	III-ECE-B
11.	GOWSIKA V	III-ECE-B
12.	GOWTHAMAPRIYA S	III-ECE-B
13.	HEMANAND S	III-ECE-B
14.	INBA R	III-ECE-B
15.	INDHUJA P	III-ECE-B
16.	INDUMATHI KUMARESAN	III-ECE-B
17.	ISWARYA S	III-ECE-B
18.	JANANI S	III-ECE-B
19.	KANISHKAR K R	III-ECE-B
20.	KARTHIKA S	III-ECE-B
21.	KAVITHA M	III-ECE-B
22.	KAVIYA S (21-10-1997)	III-ECE-B



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23.	KAVIYA S (05-12-1997)	III-ECE-B
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
28.	MANIKANDAN S	III-ECE-B
29.	MOHANARANGAM S	III-ECE-B
30.	MONISHA G	III-ECE-B
31.	NANDHINI U	III-ECE-B
32.	NAVEEN V G	III-ECE-B
33.	NAVEENRAJ S	III-ECE-B
34.	NIRMALRAJ S	III-ECE-B
35.	NITHYA T	III-ECE-B
36.	OVIYA S	III-ECE-B
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
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
46.	SARANYA S	III-ECE-B
47.	SASIKALA P	III-ECE-B
48.	SELVI S	III-ECE-B
49.	SHERAAZ S	III-ECE-B
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



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 Sakapalayam (Po), Salem-637 604


54.	SUGANESH M	III-ECE-B
55.	VELMURUGAN B	III-ECE-B
56.	VELMURUGAN S A	III-ECE-B
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
62.	SRIDHARAN P	III-ECE-B
63.	SRINIVASAN M	III-ECE-B
64.	THENMOZHI K	III-ECE-B

  
03/08/16  
Faculty Incharge

  
03/08/16  
HOD/ECE

  
Principal,  
College Institute of Technology  
Kadavallam (Po), Salem-637 004



 <i>Wise and Knowledge</i>	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
	Approved by AICTE, Affiliated to Anna University.	
	Kakapalayam (PO), Salem – 637 504	<a href="http://www.kiot.ac.in">www.kiot.ac.in</a>

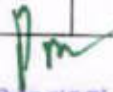
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Certificate for completion of Java Training**

Attendance

Year/Deg./Dept./Sem. : III B.E./ECE-B /V      Academic year: 2016-17      Date: 03/08/2016

S.No.	Name of the student	Section	03.08.16	05.08.16	10.08.16	12.08.16	17.08.16
1.	AGILAN P	III-ECE-B	/	/	/	/	/
2.	AKILA T	III-ECE-B	/	/	/	/	/
3.	ANU K	III-ECE-B	/	/	/	/	/
4.	ARULRAJ P	III-ECE-B	/	a	/	/	/
5.	ASIF ALI A	III-ECE-B	/	/	/	/	/
6.	BASKAR K	III-ECE-B	/	/	/	/	/
7.	DEEPTI M	III-ECE-B	/	/	/	/	/
8.	DHIVYA N	III-ECE-B	/	/	/	/	/
9.	GIRIHARAN A B	III-ECE-B	/	/	/	/	/
10.	GOMATHI D	III-ECE-B	/	/	/	/	/
11.	GOWSIKA V	III-ECE-B	/	/	/	/	/
12.	GOWTHAMAPRIYA S	III-ECE-B	/	/	/	/	/
13.	HEMANAND S	III-ECE-B	/	/	/	/	/
14.	INBA R	III-ECE-B	/	/	/	/	a
15.	INDHUJA P	III-ECE-B	/	/	a	/	/
16.	INDUMATHI KUMARESAN	III-ECE-B	a	/	/	/	/
17.	ISWARYA S	III-ECE-B	/	/	/	/	/
18.	JANANI S	III-ECE-B	/	/	/	/	/
19.	KANISHKAR K R	III-ECE-B	/	/	/	/	/
20.	KARTHIKA S	III-ECE-B	/	/	/	/	/
21.	KAVITHA M	III-ECE-B	/	/	/	/	/

  
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 Kakapalayam (Po), Salem-637 504

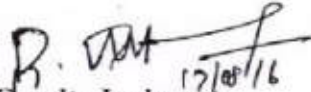
22.	KAVIYA S (21-10-1997)	III-ECE-B	/	/	/	/	/
23.	KAVIYA S (05-12-1997)	III-ECE-B	/	/	/	/	/
24.	KAVYA S	III-ECE-B	/	/	a	/	/
25.	KOMATHI E M	III-ECE-B	/	/	/	a	/
26.	LOGESHWARAN V	III-ECE-B	/	/	/	/	/
27.	MAHESHAVARTHINI G	III-ECE-B	/	/	/	/	/
28.	MANIKANDAN S	III-ECE-B	/	/	/	/	/
29.	MOHANARANGAM S	III-ECE-B	/	/	/	/	/
30.	MONISHA G	III-ECE-B	/	/	/	/	/
31.	NANDHINI U	III-ECE-B	/	/	/	/	/
32.	NAVEEN V G	III-ECE-B	/	/	/	/	/
33.	NAVEENRAJ S	III-ECE-B	/	/	/	/	/
34.	NIRMALRAJ S	III-ECE-B	/	/	/	/	/
35.	NITHYA T	III-ECE-B	a	/	/	/	/
36.	OVIYA S	III-ECE-B	/	/	/	/	/
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	/	/	/	/	/
41.	RAMYA G (24-03-1997)	III-ECE-B	/	a	/	/	/
42.	RAMYA V	III-ECE-B	/	/	/	/	/
43.	ROJA M	III-ECE-B	/	/	/	/	/
44.	SAAI GHOUTHAM R S	III-ECE-B	a	/	/	/	/
45.	SAKUNTHALA DEVI K	III-ECE-B	/	/	/	/	/
46.	SARANYA S	III-ECE-B	/	/	a	/	/
47.	SASIKALA P	III-ECE-B	/	/	/	/	/
48.	SELVI S	III-ECE-B	/	/	/	/	/
49.	SHERAAZ S	III-ECE-B	/	/	/	/	/
50.	SOUNDARYA S	III-ECE-B	/	/	/	/	/
51.	SOWMITHRA R	III-ECE-B	/	/	/	/	/
52.	SOWNDHARYA	III-ECE-B	/	/	/	/	/

Principal,

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



	PRABHA A		/	/	a	/	/
53.	SRIUMADEVI B	III-ECE-B	/	/	/	/	/
54.	SUGANESH M	III-ECE-B	/	/	/	/	/
55.	VELMURUGAN B	III-ECE-B	/	/	/	/	/
56.	VELMURUGAN S A	III-ECE-B	a	/	/	/	/
57.	VIJAY C	III-ECE-B	/	/	/	a	/
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	/	/	/	/	/
62.	SRIDHARAN P	III-ECE-B	/	/	/	/	/
63.	SRINIVASAN M	III-ECE-B	/	/	/	/	/
64.	THENMOZHI K	III-ECE-B	/	/	/	/	/

  
Faculty Incharge 12/08/16

  
HOD/ECE 12/08/16

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



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504**  
 Department of Electronics & Communication Engineering  
**CLASS TIME TABLE**

Academic Year: 2015-2016 Even Sem  
 Class : III Yr / VI Sem 'B' Section

Date: 18.01.2016  
 W.a.f: 29.01.2016  
 Hall No: B305

Period	1	2	3	4	5	6	7	8		
Time	9:00-9:40	9:50-10:30	10:40-10:55	10:55-11:45	11:45-12:35	1:25	1:35-2:15	2:15-3:05	3:15-3:50	4:00-5:00
Monday	AWP	VLSI	INTERVAL	ME	CA	LUNCH	←CN/VLSI LAB / SPOKEN TUTORIAL→			
Tuesday	CA	CN		←COMM SKILLS→			CN	ME	VLSI	
Wednesday	VLSI	POM		CN	HOD/CON		LIB/NET	AWP	POM	
Thursday	ME	CA		AWP	POM		←VLSI / CN LAB / SPOKEN TUTORIAL→			P&T
Friday	CN	AWP	VLSI	ME	←COMM SKILLS LAB→					
Saturday	POM	ME	CA	AWP	CN	VLSI	CA	POM		

Subject Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
<b>Theory</b>					
MG6851	POM	PRINCIPLES OF MANAGEMENT	Ms.P.S.Sudarshana	ECE	5
CS6303	CA	COMPUTER ARCHITECTURE	Mrs.M.Gayathiri	ECE	5
CS6551	CN	COMPUTER NETWORKS	Mr.M.Chandraman	ECE	5
EC6601	VLSI	VLSI DESIGN	Mr.A.Tamilselvan	ECE	5
EC6602	AWP	ANTENNA AND WAVE PROPAGATION	Mr.G.Dineshkumar	ECE	5
EC6001	ME	MEDICAL ELECTRONICS	Mr.M.Bharanidharan	ECE	5
<b>Practical</b>					
EC6611	CN LAB	COMPUTER NETWORKS LABORATORY	Mr.M.Chandraman	ECE	6
EC6612	VLSI LAB	VLSI DESIGN LABORATORY	Mr.A.Tamilselvan	ECE	6
GE6674	COMM SKILLS	COMMUNICATION SKILLS LABORATORY	Ms.V.Sangeetha	S&H	3
SPOKEN TUTORIAL		SPOKEN TUTORIAL Hour	Mr.R.Prasanna	ECE	6
HOD/CON		HOD Hour/Contact Hour	Dr.N.Santhiyakumari / Mrs.C.Gomathi	ECE	1
LIB/NET		Internet Hour/ Library Hour	Mr.A.Tamilselvan/Ms.R.Hemalatha	ECE	1
Class Advisor			Mr.A.Tamilselvan		

M. Chandraman  
 Time Table IC / 18/1/16

*[Signature]*  
 HOD 18/1/16

*[Signature]*  
 Vice Principal

*[Signature]*  
 Principal

Principal,  
 Knowledge Institute of Technology  
 Knowledge Institute of Technology (K.I.T), Salem-637 504





# Certificate for Completion of C Training

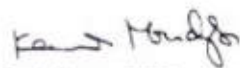


This is to certify that **ABINAYA M** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **RASU RAMASAMY** at **Knowledge Institute of Technology** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

September 6th 2016

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

  
Prof. Kannan M Moudgal  
IIT Bombay



# Certificate for Completion of C Training

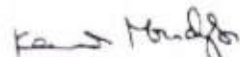


This is to certify that **ABIRAMI B** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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Kaleahalli (Pq), Salem-637 604

  
Prof. Kannan M Moudgalya  
IIT Bombay





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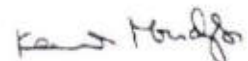


This is to certify that **BHUVANESHWARI K** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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Knowledge Institute of Technology,  
Kalyandurg (Pa), Salem-637

  
Prof. Kannan M Moudgal  
IIT Bombay



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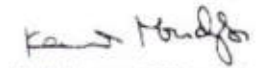


This is to certify that **DIVYA A** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

  
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Kakabalevaru (Po), Salem-637 604

  
Prof. Kannan M Moudgalya  
IIT Bombay





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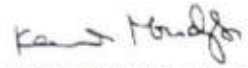


This is to certify that **KANIMOZHI SELVARAJ** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **RASU RAMASAMY** at **Knowledge Institute of Technology** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

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Kakanadavam (Po), Salem-637 604

  
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IIT Bombay




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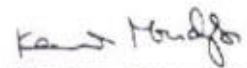


This is to certify that **MALATHI M** has successfully completed C test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

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

  
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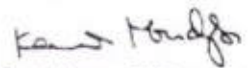


This is to certify that **POORNIMA J** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

  
Principal,  
Knowledge Institute of Technology  
Chokkikulavam (Po), Salem-637 804

  
Prof. Kannan M Moudgalya  
IIT Bombay



# Certificate for Completion of C Training



This is to certify that **PRIYANGHAA N** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **RASU RAMASAMY** at **Knowledge Institute of Technology** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

September 6th 2016

A handwritten signature in green ink, appearing to be "Pm".

Principal,  
Knowledge Institute of Technology  
Kankaravaram (Po), Salem-637 614

A handwritten signature in black ink, appearing to be "Kannan Moudgalya".  
Prof. Kannan M Moudgalya  
IIT Bombay





# Certificate for Completion of C Training

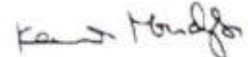


This is to certify that **PRIYANKA P** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

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

  
Prof. Kannan M Moudgalys  
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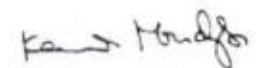


This is to certify that **PRIYA S** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

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

  
Prof. Kannan M Moudgalya  
IIT Bombay





# Certificate for Completion of C Training

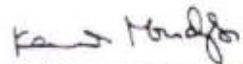


This is to certify that **PUNITHA M** has successfully completed C test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

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

  
Prof. Kannan M Moudgalyn  
IIT Bombay



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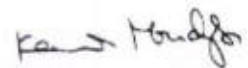


This is to certify that **VISHALI R** has successfully completed **C** test organized at **Knowledge Institute of Technology** by **S.Aravinth Seshadri** with course material provided by the Talk To A Teacher project at IIT Bombay.

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September 6th 2016

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

  
Prof. Kannan M Moudgalya  
IIT Bombay



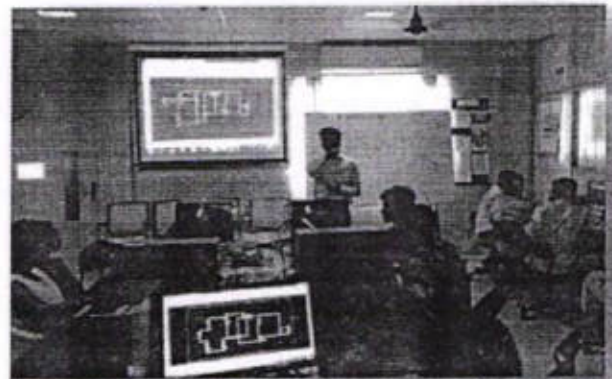


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**REPORT OF THE EVENT**

<b>Date</b>	:	23.01.17 to 01.02.17 (42 Hours)	<b>Resource person</b>	:	<b>Global CADD Technology</b> 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004 (External)
<b>Time</b>	:	1.00 pm to 7.30pm	<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>	:	72

- 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 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 6.
- Resource person delivered the development of circuit Design practically.



Encl: Circular / Lesson Plan / Attendance Sheet / Feedback

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



Beyond knowledge

# KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM - 637 504

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Circular No.	EE/CC/01	Date	26.12.2016
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	23.01.17 to 01.02.17 & 1.00 pm to 7.30pm (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

*B. Sasikumar*  
26/12/16  
Certification Course Co-Coordinator

*D. V. Thangaraj*  
26/12/16  
HOD/EEE

*[Signature]*  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	P&T	LIB	AO	Transport I/C	Hostel NB	Residential Warden	CollegeNB	Office /File	Class Circulation
		*				*						*	*	*

*[Signature]*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504



From

09/01/2017, Salem

Mr.B.Sasikumar,  
Associate Professor,  
Department of Electrical and Electronics engineering,  
Knowledge Institute of Technology,  
Salem- 637 504.

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 23.01.17 to 01.02.17 for a period of 07 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	72 Nos.

Thank you sir

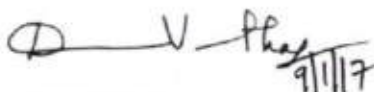
Yours truly,



(Mr.B.Sasikumar)



PRINCIPAL



HOD/EEE



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

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 05.05.16

**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 2016-17.

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	Product Development using Electronic Devices	49	II-EEE	Existing Course and Continuing
3.	VAC	Programming in PLC & SCADA	42	III-EEE	New Course
4.	VAC	Design of Embedded Application in Arduino using IOT	60	III-EEE	New Course
5.	VAC	Programming in JAVA	60	III, IV-EEE	New Course
6.	VET	Electrical Wiring for Residential and Commercial Building	96	EEE	New Course

D. V. Prasad  
05/05/16

**HOD/EE**

*Principal*

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

*Principal*  
**PRINCIPAL**



**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Certification Course**  
**Students Enrollment List**

Academic Year: 2016-17

Year/Sem: II/IV

Date: 09/1/2016

Name of the Course: Electrical wiring circuit design using Electrical CAD

S.No	Register No	Name of the Student
1	611215105001	AARTHI A
2	611215105003	AKILA K
3	611215105004	AKSHAYA L
4	611215105006	ANANDHA PADMANABAN V
5	611215105007	ANANTH S
6	611215105009	ANBARASIT
7	611215105011	ASWINKUMAR K G
8	611215105012	BALA MURUGAN M
9	611215105013	BARATH KUMAR V
10	611215105016	BHAVANLP
11	611215105017	CHIBIMUKIL N
12	611215105019	DEEPAN RAJ R
13	611215105020	DEEPTHIKA B
14	611215105025	DIWAKARAN T
15	611215105026	FARITHAFARVEEN M
16	611215105027	GANESH KUMAR P R
17	611215105028	GNANESHWARI M N
18	611215105029	GOKUL D
19	611215105032	GOPI GANESH R S
20	611215105033	GOWTHAM N
21	611215105035	HARIHARAN E
22	611215105036	JAYASHREE J
23	611215105037	JEEVA M
24	611215105040	KARTHIKA V
25	611215105041	KAVIN R
26	611215105042	KAVYAA K
27	611215105046	KIRUTHIKA M
28	611215105049	KOWSALYA V
29	611215105050	KOWSHIKA V
30	611215105053	MANIKANDAN A
31	611215105054	MANI KANDAN T
32	611215105055	MANISHA P
33	611215105056	MEENA T
34	611215105059	NAGARAJ S
35	611215105060	NAVANEETHAKRISHNAN V
36	611215105061	NAVEENA P



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

S.No	Register No	Name of the Student
37	611215105063	NIVETHA S
38	611215105065	PAVITHIRAN.P
39	611215105066	PAVITHRA P
40	611215105069	PRABHA DEVI C
41	611215105070	PRABHAKARAN R
42	611215105074	PREMKUMAR T
43	611215105077	RAHUL NATARAJAN K
44	611215105080	RAVIKUMAR N
45	611215105081	RAYSHMIKA R B
46	611215105083	SAI SOUNDARYA K
47	611215105085	SANGEETHA K
48	611215105087	SANTHIYA K K
49	611215105088	SANTHOSH M
50	611215105092	SELVARAJ A
51	611215105093	SELVARAJ R
52	611215105094	SENTHILKUMAR S
53	611215105099	SOWMIYA M
54	611215105100	SRIDHAR P
55	611215105103	SRIVIDHYA S
56	611215105105	SURENDAR S
57	611215105106	SURUTHI R
58	611215105107	SURYAPRAKASH R
59	611215105110	TAMILSELVAN.E
60	611215105111	THANGAPANDIYAN.S
61	611215105112	THARANI.V
62	611215105113	THIRUGNANARAMAN S V
63	611215105116	VEDIYAPPAN.K
64	611215105301	ARUNKUMAR K
65	611215105302	DHINESH KUMAR M
66	611215105304	HARIHARAN P
67	611215105306	MATHESH K
68	611215105310	PRIYADHARSHINI T
69	611215105311	PRIYANKA G
70	611215105313	THAMARAI SELVAN S
71	611215105316	VIGNESHWARAN S
72	611215105317	VISHNU PRIYA S

B. Sundar  
Coordinator

V. Thangapandiyan  
HoD/EEE

Principal,  
Knowledge Institute of Technology,  
Kankinlayam (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: 10-11-16

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  
Palavam (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

### 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  
Kabalavam (Po), Salem-637 604



# 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

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.




Principal,  
Knowledge Institute of Technology  
Kakopalayam (Po), Salem-637 804

**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>	2016-2017		
<b>Year/Sem:</b>	II / IV	<b>Date:</b>	23.01.17 to 01.02.17

Day	Session Timing	Course Content
1	1.00 pm to 3.00 pm	<ul style="list-style-type: none"> <li>• Introduction to CAD/CAM/CAE</li> </ul>
	3.30 pm to 7.30 pm	<ul style="list-style-type: none"> <li>• Introduction to Electrical CAD</li> <li>• Basic setup, coordinate System</li> </ul>
2	1.00 pm to 3.00 pm	<ul style="list-style-type: none"> <li>• Line, XLine, Rectangle, Copy, Offset</li> <li>• Polygen, Array, Move, Rotate</li> </ul>
	3.30 pm to 7.30 pm	<ul style="list-style-type: none"> <li>• Mirror, Erase, Arc, Circles, Trim</li> <li>• Extend, Scale, Stretch</li> </ul>
3	1.00 pm to 3.00 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>
	3.30 pm to 7.30 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>
4	1.00 pm to 3.00 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>
	3.30 pm to 7.30 pm	<b>Drawing Practice:</b> <ul style="list-style-type: none"> <li>• Parametric Modeling &amp; Dimensioning</li> </ul>
5	1.00 pm to 3.00 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,  
 Palayam (Po), Salem-637 504.

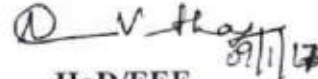


	3.30 pm to 7.30 pm	<b>Drawing Test:</b> <ul style="list-style-type: none"> <li>Connectors, Terminals, Multi-Level Terminals</li> </ul>
6	1.00 pm to 3.00 pm	<b>Circuit Design Practice:</b> <ul style="list-style-type: none"> <li>Jumpers, Basic Utilities, Copying Catalogue and Location Values</li> </ul>
	3.30 pm to 7.30 pm	<b>Circuit Design Practice</b> <ul style="list-style-type: none"> <li>Swapping and Updation Blocks, Using the Auditing tools</li> </ul>
7	1.00 pm to 3.00 pm	<ul style="list-style-type: none"> <li>Evaluation Test</li> </ul>
	3.30 pm to 7.30 pm	<ul style="list-style-type: none"> <li>Feedback and Valedictory</li> </ul>

### Certification Course Schedule - Resource Person Schedule

Total Days	Timings	Resource Person	Venue
7	1.00 pm to 7.30 pm	<b>Global CADD Technology</b> 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004	E-Block 3 <sup>rd</sup> Floor- MTLC & CC9 lab

  
 CC Coordinator

  
 HoD/EEE

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

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Certification Course**  
**Students Attendance**

Academic Year: 2016-17

Year/Sem II/III

Name of the Course: Electrical wiring circuit design using Electrical CAD

Timing: 1.00pm to 7.30pm

S.No	Register No	Name of the Student	23.01.17	24.01.17	25.01.17	27.01.17	30.01.17	31.01.17	01.02.17
1	611215105001	AARTHI A	/	/	/	/	/	/	/
2	611215105003	AKILA K	/	/	/	/	/	/	/
3	611215105004	AKSHAYA L	/	/	/	/	/	/	/
4	611215105006	ANANDHA PADMANABAN V	/	a	/	/	/	/	/
5	611215105007	ANANTH S	/	/	/	/	/	/	/
6	611215105009	ANBARASIT	/	/	/	/	/	/	/
7	611215105011	ASWINKUMAR K.G	/	/	/	/	/	/	/
8	611215105012	BALA MURUGAN M	/	/	/	/	/	/	/
9	611215105013	BARATH KUMAR V	/	/	/	/	a	/	/
10	611215105016	BHAVANI P	/	/	/	/	/	/	/
11	611215105017	CHIBIMUKIL N	/	/	/	/	/	/	/
12	611215105019	DEEPAN RAJ R	/	/	/	/	/	/	/
13	611215105020	DEEPTHIKA B	/	/	/	/	/	/	/
14	611215105025	DIWAKARAN T	a	/	/	/	/	/	/
15	611215105026	FARITHAFARVEEN M	/	/	/	/	/	/	/
16	611215105027	GANESH KUMAR P R	/	/	/	/	/	/	/
17	611215105028	GNANESHWARI M N	/	/	/	/	/	/	/
18	611215105029	GOKUL D	/	/	/	/	/	/	a
19	611215105032	GOPI GANESH R S	/	/	/	/	/	/	/
20	611215105033	GOWTHAM N	/	/	/	/	/	/	/
21	611215105035	HARIHARAN E	/	/	/	/	/	/	/
22	611215105036	JAYASHREE J	/	a	/	/	/	/	/
23	611215105037	JEEVA M	/	/	/	/	/	/	/
24	611215105040	KARTHIKA V	/	/	/	/	/	/	/
25	611215105041	KAVIN R	/	/	/	/	/	/	/
26	611215105042	KAVYAA K	/	/	/	/	/	/	/
27	611215105046	KIRUTHIKA M	/	/	/	/	/	/	/
28	611215105049	KOWSALYA V	/	/	/	/	/	/	/
29	611215105050	KOWSHIKA V	/	/	/	/	/	/	/
30	611215105053	MANIKANDAN A	/	/	/	/	/	/	/
31	611215105054	MANI KANDAN T	a	/	/	/	/	/	/
32	611215105055	MANISHA P	/	/	/	/	/	/	/
33	611215105056	MEENA T	/	/	/	/	/	/	/
34	611215105059	NAGARAJ S	/	/	/	/	/	/	/
35	611215105060	NAVANEETHAKRISHNAN V	/	/	/	a	/	/	/
36	611215105061	NAVEENA P	/	/	/	/	/	/	/
37	611215105063	NIVETHA S	/	/	/	/	/	/	/
38	611215105065	PAVITHRAN P	/	/	/	/	/	a	/
39	611215105066	PAVITHRA P	/	/	/	/	/	/	/
40	611215105069	PRABHA DEVI C	/	/	/	/	/	/	/
41	611215105070	PRABHAKARAN R	/	/	/	/	/	/	/
42	611215105074	PREMKUMAR T	/	/	a	/	/	/	/

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



S.No	Register No	Name of the Student	23.01.17	24.01.17	25.01.17	27.01.17	30.01.17	31.01.17	01.01.17
43	611215105077	RAHUL NATARAJAN K	/	/	/	/	/	/	/
44	611215105080	RAVIKUMAR N	a	/	/	/	/	/	/
45	611215105081	RAYSHMIKA R B	/	/	/	/	/	/	/
46	611215105083	SAI SOUNDARYA K	/	/	/	/	/	/	/
47	611215105085	SANGEETHA K	/	/	/	/	/	a	/
48	611215105087	SANTHIYA K K	/	/	/	/	/	/	/
49	611215105088	SANTHOSH M	/	/	a	/	/	/	/
50	611215105092	SELVARAJ A	/	/	/	/	/	/	/
51	611215105093	SELVARAJ R	/	/	/	/	/	/	/
52	611215105094	SENTHILKUMAR S	/	/	/	/	/	/	/
53	611215105099	SOWMIYA M	/	/	/	/	/	/	/
54	611215105100	SRIDHAR P	/	/	/	a	/	/	/
55	611215105103	SRIVIDHYA S	/	/	/	/	/	/	/
56	611215105105	SURENDAR S	/	/	/	/	/	/	/
57	611215105106	SURUTHI R	/	/	/	/	/	/	/
58	611215105107	SURYAPRAKASH R	/	/	/	/	/	/	/
59	611215105110	TAMILSELVANE	/	/	/	/	/	/	/
60	611215105111	THANGAPANDIYAN S	/	/	/	/	/	/	/
61	611215105112	THARANIV	/	/	/	/	/	/	/
62	611215105113	THIRUGNANARAMAN S.V	/	/	/	/	/	/	/
63	611215105116	VEDIYAPPAN K	/	a	/	/	/	/	/
64	611215105301	ARUNKUMAR K	/	/	/	/	/	/	/
65	611215105302	DHINESH KUMAR M	/	/	/	/	/	/	/
66	611215105304	HARIHARAN P	/	/	/	/	/	/	/
67	611215105306	MATHESH K	/	/	/	/	/	/	/
68	611215105310	PRIYADHARSHINI T	/	/	/	/	/	/	/
69	611215105311	PRIYANKA G	/	/	/	/	/	/	/
70	611215105313	THAMARAI SELVAN S	/	/	/	/	/	/	a
71	611215105316	VIGNESHWARAN S	/	/	/	/	/	/	/
72	611215105317	VISHNU PRIYA S	/	/	/	/	/	/	/
No of Students Present			69	69	70	70	71	70	70
No of Students Absent			3	3	2	2	1	2	2

B. Sankar  
CC Coordinator

D. V. Hegde  
HoD/EEE

Principal,  
Knowledge Institute of Technology,  
Kakaoatavam (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:	2016-2017		
Year/Sem:	II / IV		
Name:	Jaya shree J		
Reg No:	611215105036	Date:	01.02.17

### Part A

(10x2=20)


1. Define Cad?
2. List the Elements Of Cad;
3. What Are The Various 2d Transformations?
4. What Are The Advantages Of Solid Modeling?
5. What Is Drawing Entities?
6. What Are The Editing Commands In Cad?
7. What Are The Geometric Modeling Techniques?
8. Compare 2d Vs 3d?
9. What Are The Editing Commands In Cad?
10. What Is B-rep – Boundary Representation?


### 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. Construct the circuit diagram for Load test of a single phase induction motor using CAD Software.

S.No	Particulars	Marks Allocated	Marks Awarded
1	Test	50	40
2	Viva- Voce	20	15
3	Assignments and Participation	30	30
<b>Total</b>		<b>100</b>	<b>85</b>

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

  
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:	2016-2017		
Year/Sem:	II / IV		
Name:	Pavithran P		
Reg No:	611215105065	Date:	01.02.17

### Part A

(10x2=20)

1. Define Cad?
2. List the Elements Of Cad;
3. What Are The Various 2d Transformations?
4. What Are The Advantages Of Solid Modeling?
5. What Is Drawing Entities?
6. What Are The Editing Commands In Cad?
7. What Are The Geometric Modeling Techniques?
8. Compare 2d Vs 3d?
9. What Are The Editing Commands In Cad?
10. What Is B-rep – Boundary Representation?

### 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. Construct the circuit diagram for Load test of a single phase induction motor using CAD Software.

S.No	Particulars	Marks Allocated	Marks Awarded
1	Test	50	40
2	Viva- Voce	20	14
3	Assignments and Participation	30	30
Total		100	84

  
Principal,

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



Evaluator Sign

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Certification Course Evaluation Mark Statement**

Academic Year: 2016-17

Year/Sem: II/IV

Date: 01.02.17

Name of the Course: Electrical wiring circuit design using Electrical CAD

S.No	Register No	Name of the Student	Mark Secured (100)	STATUS
1	611215105001	AARTHI A	96	Certified
2	611215105003	AKILA K	72	Certified
3	611215105004	AKSHAYA L	85	Certified
4	611215105006	ANANDHA PADMANABAN V	78	Certified
5	611215105007	ANANTH S	62	Certified
6	611215105009	ANBARASI T	71	Certified
7	611215105011	ASWINKUMAR.K.G	72	Certified
8	611215105012	RAJA MURUGAN.M	74	Certified
9	611215105013	BARATH KUMAR.V	78	Certified
10	611215105016	BHAVANLP	68	Certified
11	611215105017	CHIBIMUKIL N	80	Certified
12	611215105019	DEEPAN RAJ.R	91	Certified
13	611215105020	DEEPTHIKA.B	86	Certified
14	611215105025	DIWAKARAN T	84	Certified
15	611215105026	FARITHAFARVEEN M	94	Certified
16	611215105027	GANESH KUMAR.P.R	64	Certified
17	611215105028	GNANESHWARIM.N	85	Certified
18	611215105029	GOKUL.D	61	Certified
19	611215105032	GOPI GANESH R S	75	Certified
20	611215105033	GOWTHAM N	96	Certified
21	611215105035	HARIHARAN.E	72	Certified
22	611215105036	JAYASHREE.J	85	Certified
23	611215105037	JEEVA M	67	Certified
24	611215105040	KARTHIKA V	75	Certified
25	611215105041	KAVIN.R	96	Certified
26	611215105042	KAVYAA K	72	Certified
27	611215105046	KIRUTHIKA.M	85	Certified
28	611215105049	KOWSALYA.V	78	Certified
29	611215105050	KOWSHIKA V	85	Certified
30	611215105053	MANIKANDAN A	80	Certified
31	611215105054	MANI KANDAN.T	91	Certified
32	611215105055	MANISHA.P	86	Certified
33	611215105056	MEENA T	84	Certified
34	611215105059	NAGARAJ S	94	Certified
35	611215105060	NAVANEETHAKRISHNAN V	76	Certified
36	611215105061	NAVEENA P	91	Certified
37	611215105063	NIVETHA S	86	Certified
38	611215105065	PAVITHIRAN.P	84	Certified
39	611215105066	PAVITHRA P	96	Certified
40	611215105069	PRABHA DEVI.C	78	Certified

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



S.No	Register No	Name of the Student	Mark Secured (100)	STATUS
41	611215105070	PRABHAKARAN R	70	Certified
42	611215105074	PREMKUMAR T	75	Certified
43	611215105077	RAHUL NATARAJAN K	96	Certified
44	611215105080	RAVIKUMAR N	72	Certified
45	611215105081	RAYSHMIKA R B	75	Certified
46	611215105083	SAI SOUNDARYA K	75	Certified
47	611215105085	SANGEETHA K	96	Certified
48	611215105087	SANTHIYA K K.	72	Certified
49	611215105088	SANTHOSH M	85	Certified
50	611215105092	SELVARAJ A	78	Certified
51	611215105093	SELVARAJ R	62	Certified
52	611215105094	SENTHILKUMAR S	71	Certified
53	611215105099	SOWMIYAM	75	Certified
54	611215105100	SRIDHAR P	75	Certified
55	611215105103	SRIVIDHYA S	96	Certified
56	611215105105	SURENDAR S	72	Certified
57	611215105106	SURUTHIR	85	Certified
58	611215105107	SURYAPRAKASH R	78	Certified
59	611215105110	TAMILSELVAN E	62	Certified
60	611215105111	THANGAPANDIYAN S	71	Certified
61	611215105112	THARANLV	72	Certified
62	611215105113	THIRUGNANARAMAN S.V	74	Certified
63	611215105116	VEDIYAPPAN K	78	Certified
64	611215105301	ARUNKUMAR K	68	Certified
65	611215105302	DHINESH KUMAR M	80	Certified
66	611215105304	HARIHARAN P	91	Certified
67	611215105306	MATHESH K	86	Certified
68	611215105310	PRIYADHARSHINI T	84	Certified
69	611215105311	PRIYANKA G	94	Certified
70	611215105313	THAMARAI SELVAN S	64	Certified
71	611215105316	VIGNESHWARAN S	85	Certified
72	611215105317	VISHNU PRIYA S	61	Certified

*B. Sundarajan*  
CC Coordinator

*D. V. Thangapandiyan*  
HoD/EEE

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



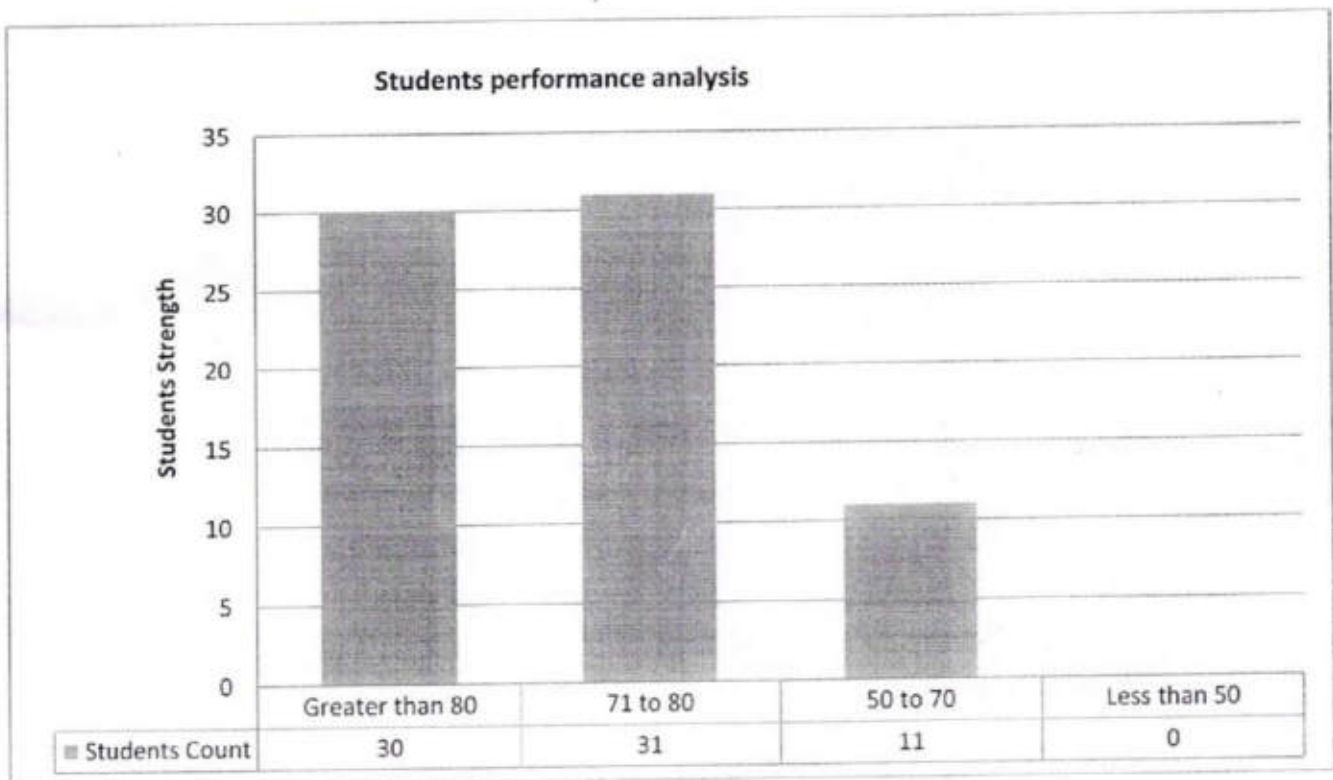
# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Mark Evaluation Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2016-2017		
Year/Sem:	II / IV	Date:	23.01.17 to 01.02.17

Total No of Students Enrolled: 72



*B. Sundar*  
CC Coordinator

*V. Hage*  
HoD/EEE

*P. M.*  
Principal,  
Knowledge Institute of Technology  
Takaalavam (Po), Salem-637 504





Beyond Knowledge

# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

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. ANANTH.S - II - EEE

Reg. No. 611215105007 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 23.01.2017 to 01.02.2017.

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.~~ GOKUL .D - II - EEE

Reg. No. 611215105029 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 23.01.2017 to 01.02.2017.

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. MEENA.T - II - EEE

Reg. No. 611215105056 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 23.01.2017 to 01.02.2017.

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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# GLOBAL

# CADD TECHNOLOGY

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. NAGARAJ. S - II - EEE

Reg. No. 611215105059 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 23.01.2017 to 01.02.2017.

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. AARTHI . A - II - EEE

Reg. No. 611215105001 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 23.01.2017 to 01.02.2017.

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

**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: Kiruthika M.

Course Title: Electrical wiring circuit design using Electrical CAD.

Year/ Sem: I / IV

Dept : EEE

Date: 1.2.17

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:

We gained more practical knowledge in this course. we learn to design a full circuit to run the program.

Suggestions for improvement:

Need more coaching in this course and we need more practical classes.

*Kiruthika M.*  
 (Signature of the student)



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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: Ananth S

Course Title: Electrical wiring circuit design using Electrical CAD

Year/ Sem: II / IV

Dept : EEE

Date: 01.02.17

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:

\* Teaching is good and clear

Suggestions for improvement:

—

*PM*

Principal,

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

*Ananth S*

(Signature of the student)

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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: Santhosh.M

Course Title: Electrical wiring circuit design using electrical CAD

Year/ Sem: II / III

Dept : EEE

Date: 1.2.17

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	<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:

\* doubts are cleared easily

Suggestions for improvement:

\* need some more time

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

  
 (Signature of the student)



**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: KAVYAA K

Course Title: Electrical wiring circuit design using Electrical CAD

Year/Sem: I / IV

Dept : EEE

Date: 01.02.17

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:

Training is very useful

Suggestions for improvement:

No

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

Kavyaa K  
 (Signature of the student)

**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: **NAVEENA . P**

Course Title: **Electrical wiring circuit design using electrical CAD**

Year/ Sem: **II / IV**

Dept : **EEE**

Date: **01.02.17**

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 practical Experience**

Suggestions for improvement:

**Need more clarification**

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

  
P. Naveena  
(Signature of the student)





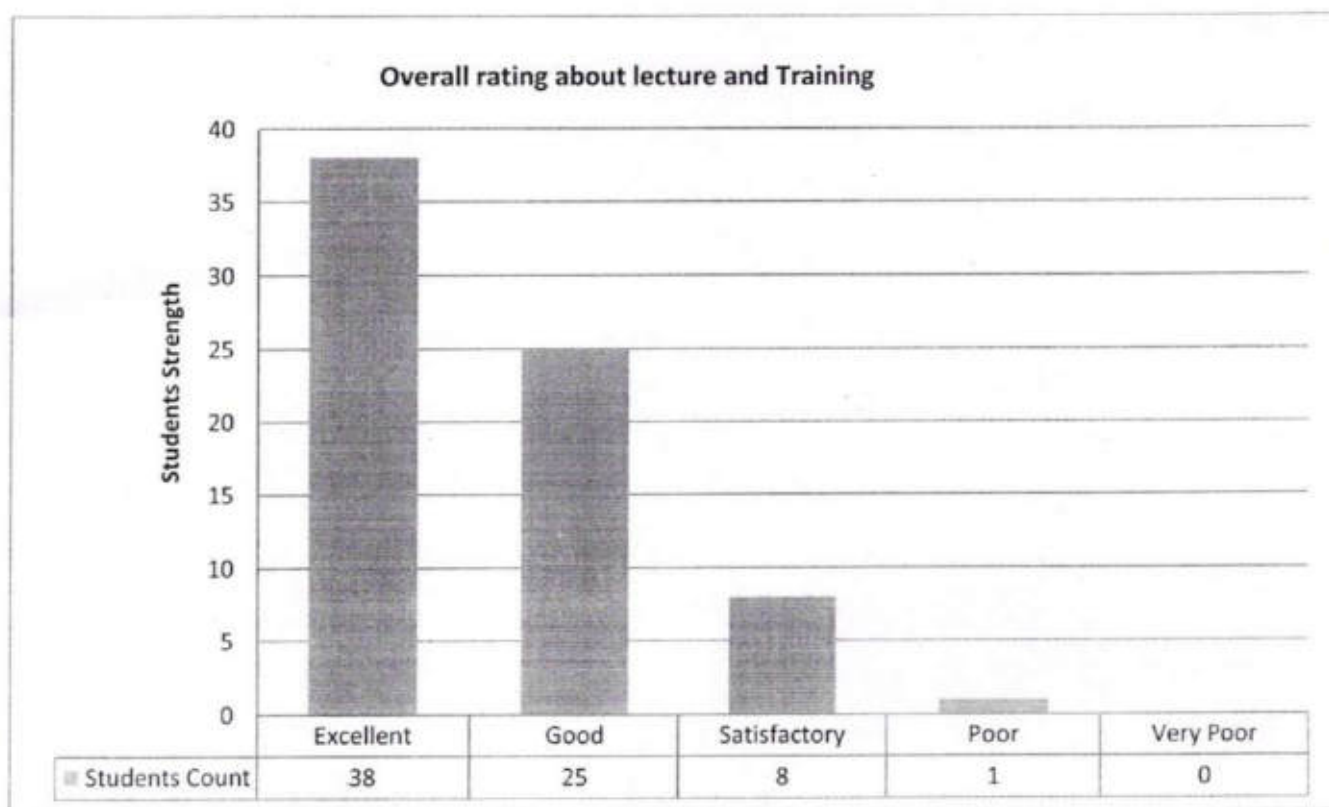
# KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

## Feedback Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD		
Academic Year:	2016-2017		
Year/Sem:	II / IV	Date:	23.01.17 to 01.02.17

**Total No of Students Enrolled: 72**



*B. Suman*  
CC Coordinator

*PM*  
Principal,  
Knowledge Institute of Technology  
Kakopalavam (Po), Salem-637 51

*D. V. Hage*  
HoD/EEE



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

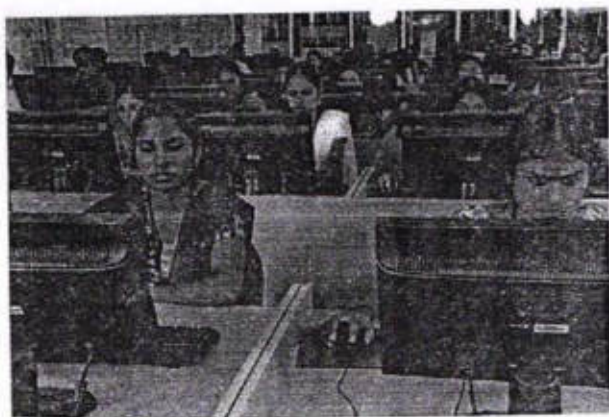
Department of Computer Science and Engineering

**REPORT OF THE EVENT**


<b>Date</b>	13.06.2016 - 16.06.2016	<b>Resource person</b>	Prof. P.Sachidhanandam, Assistant Professor,CSE, KIOT
<b>Time</b>	9.00am – 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>	225

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**

  
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Kakapalayam (Po), Salem-637 504





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

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## 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

02.06.2016

Salem

From

Prof.A.Sekar,  
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 13.06.2016 - 16.06.2016 for a period of 04 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 13.06.2016 -16.06.2016 9.00am - 5.00pm	Prof . P.Sachidhanandam Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

*Sekar*  
2/6/16

*[Signature]*  
HOD/CSE

*[Signature]*

PRINCIPAL

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





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2016/CC/ODD/01	Date	06.06.2016
To	All II year Students		
Name of the subject	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 13.06.2016 - 16.06.2016 & 9.00am - 5.00pm	Prof . P.Sachidhanandam Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. A.Sekar, Assistant Professor/CSE

  
6/6/16  
**FACULTY INCHARGE**

  
6/6/16  
**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 INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

13.06.2016 -16.06.2016

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	II A	611215104002	ABINOV KAASHYAP.T.R
2	II A	611215104005	ARUNBALA.B
3	II A	611215104008	BALAJI.G
4	II A	611215104018	GANGA SREE.K.M
5	II A	611215104022	GOKUL.D
6	II A	611215104027	HARINI.S
7	II A	611215104029	HARI PRIYA.R
8	II A	611215104031	JAIVIGNESH.C.S
9	II A	611215104032	JAMUNASRI.K
10	II A	611215104033	KARTHI.M
11	II A	611215104039	KISHORE KUMAR.K
12	II A	611215104044	LOGANATHAN.M
13	II A	611215104050	MONIKA.G
14	II A	611215104054	NANDHINI.S
15	II A	611215104061	PRAGATHI.S
16	II A	611215104063	PRATHEEBA.D
17	II A	611215104068	PRIYANKA.M
18	II A	611215104070	RAMYA. K.S
19	II A	611215104078	SALMAN.A
20	II A	611215104080	SANDYA.S
21	II A	611215104085	SHAJEL ROSHNI.A
22	II A	611215104089	SOWMIYA.M
23	II A	611215104095	SRUTHI.K
24	II A	611215104096	SUNILKUMAR. N
25	II A	611215104097	SUNMATHI.V
26	II A	611215104104	VIMALAN.M
27	II B	611215104001	ABINAYAS



Principal,  
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28	II B	611215104011	DEEPAN NAGARAJAN.B
29	II B	611215104013	DIVVYA DEVI.M
30	II B	611215104017	FOUZIYA ISRATH.S
31	II B	611215104020	GAYATHRI.S
32	II B	611215104034	KARTHICK.K
33	II B	611215104035	KAVIN.M
34	II B	611215104040	KOUSHIKAA.P
35	II B	611215104041	KOWSALYA.D
36	II B	611215104045	LOGAPRIYA.K
37	II B	611215104048	MOHAMED SHAGUL HAMEED.M
38	II B	611215104051	MOUNICKA.M
39	II B	611215104055	NEVIL ANDRO.R
40	II B	611215104057	PADMAKUMAR.K.N.
41	II B	611215104064	PRAVEEN KUMAR.B
42	II B	611215104066	PREETHI.S
43	II B	611215104069	RAGHURAM.M
44	II B	611215104075	REVANTH.N
45	II B	611215104076	REVATHI.B
46	II B	611215104077	SAI RAMYA.K
47	II B	611215104081	SARAN.M
48	II B	611215104084	SATHIYAMOORTHY.M
49	II B	611215104088	SOWMIYA.J
50	II B	611215104092	SREE SANKARI.P.S
51	II B	611215104099	THAMANIPRIYA.C
52	II B	611215104101	VARSSINI.K
53	II B	611215104102	VEDA MEENA.D
54	II B	611215104106	VISHNULAL.M

*Kiran*  
Faculty Incharge

*Hobit*  
HOD

*pm*  
Principal,

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

# KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

13.06.2016-16.06.2016 | Students Enrollment List

Sl.No	Year	Register Number	Student Name
1	III	611214105002	ANU.J
2	III	611214105008	DHAMODHARAN.Y
3	III	611214105009	DIVYABHARATHI.P
4	III	611214105012	ESWARAN.S.
5	III	611214105014	GOPINATH.P.
6	III	611214105016	GOWTHAMRAJ.R
7	III	611214105018	HEMA.S. U
8	III	611214105020	INIYA.V
9	III	611214105021	JAISHNU.M
10	III	611214105024	JAYA KRISHNA S.V
11	III	611214105025	JAYAPRAKASH.B
12	III	611214105026	KARTHIM
13	III	611214105028	KARTHICK.S.
14	III	611214105029	KARTHIKEYAN.D
15	III	611214105033	KARTHIK RAJA.G.
16	III	611214105034	KAVI KIRUTHIGA. P
17	III	611214105035	KAVINKUMAR.A.R
18	III	611214105037	KAVISRI.S
19	III	611214105041	MANIKANDAN.M.
20	III	611214105042	MANIVASAN.A
21	III	611214105043	MANOJ.V
22	III	611214105044	MENAKA.R
23	III	611214105046	MEYVEL.K
24	III	611214105051	MOULISANKAR.R
25	III	611214105052	MUKESH KUMAR.N
26	III	611214105053	MURALI.P
27	III	611214105054	MURUGAN.C.
28	III	611214105060	PRAVIN.J
29	III	611214105062	PREETHIKA.K
30	III	611214105063	PREMKUMAR.S
31	III	611214105065	PRIYANKA.B
32	III	611214105069	RANJITH.I
33	III	611214105072	ROJA.M
34	III	611214105073	SAMPATH.M
35	III	611214105077	SANTHOSH KUMAR. K
36	III	611214105079	SARTH KUMAR.S
37	III	611214105082	SATHIYA PRIYA.M
38	III	611214105087	SOWRANCHANA.S
39	III	611214105089	SURENDIRAN.M
40	III	611214105093	USHA DEVLE
41	III	611214105096	VIGNESH.S
42	III	611214105303	BOOPATHI S
43	III	611214105304	CHANDRASEKAR P
44	III	611214105307	GEETHA V
45	III	611214105311	KARUPPUSAMY P
46	III	611214105701	THARINI.R
47	III	611214105001	AJITH KUMAR.U

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48	III	611214105004	BHARATH.V
49	III	611214105006	BOOPALAN.T
50	III	611214105022	JANANI.P
51	III	611214105023	JAWAHAR RAJ.M
52	III	611214105030	KARTHIKEYAN.N
53	III	611214105032	KARTHIKEYAN.R
54	III	611214105038	KAVITHA.M
55	III	611214105040	KUMARESH.M
56	III	611214105047	MITHILA.R.
57	III	611214105057	NAGHA ABIRAMI.S.S
58	III	611214105059	POOMALAIRAJ.K
59	III	611214105064	PREM KUMAR.R
60	III	611214105066	PRIYANKA DEVL.S
61	III	611214105067	RAMYA.P
62	III	611214105068	RAMYAA.M
63	III	611214105074	SANGAVI.D
64	III	611214105076	SANTHOSH.C. S
65	III	611214105078	SARAVANAN.K
66	III	611214105081	SASIPRIYA.S.
67	III	611214105083	SELVAPRIYA.S
68	III	611214105085	SONALLS
69	III	611214105086	SOWNDHARYA.K
70	III	611214105088	SUGANYA.K
71	III	611214105091	THANGAM.A
72	III	611214105092	THIRTHA PRIYAN.D
73	III	611214105095	VIGNESH.R
74	III	611214105099	YUGANDRAN.S
75	III	611214105301	ANITHA R
76	III	611214105302	ASHOK KUMAR S
77	III	611214105306	DHIVYA A
78	III	611214105310	JANANI R
79	III	611214105312	PRAVEEN KUMAR S
80	III	611214105317	UMESH M
81	III	611214105318	VANMATHI M E
82	III	611214105501	KARTHICK S
83	III	611214105005	BOOBANA.M
84	III	611214105017	HARIHARAN.G
85	III	611214105031	KARTHIKEYAN.R
86	III	611214105061	PRAVIN KUMAR.S.
87	III	611214105084	SENTHIL KUMAR.P
88	III	611214105097	VIJAY.S

*B. Senthil*  
Dept: CC Coordinator

*D. V. The*  
HOD/EEE

*pm*  
PRINCIPAL,

Knowledge Institute of Technology  
Kakopalavam (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	FN	Fundamentals in Computer Programming, Identifiers, Keywords Variables, Data Types, Declaration of Variable
	AN	Operators and Expressions, Data types, Control statements Conditional Control Statements
DAY 2	FN	Function, Function Prototype, Defining a function, Calling a function
	AN	Recursion, Nested functions, main() function, Library Function, Local and global variables
DAY 3	FN	Pointer, Def of Pointer, Declaration of Pointer Variables, Assigning Address to Pointer Variables, De-referencing Pointer Variables
	AN	Pointer to Pointer, Pointer Arithmetic, Pointer comparisons, De-reference and increment pointer, pointer to const data, const pointer
DAY 4	FN	Pointer and Function, Parameter Passing Techniques call by value, call by address, Using Pointers as Arguments Function Returning value
	AN	Calling A function through function pointer, passing A function's address as an Argument to other function, Functions with variable number of arguments

  
Course Coordinator

  
HOD

  
Principal,  
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module I)

13.06.2016 -16.06.2016 | Course Attendance

Sl.No	Year	Register Number	Student Name	13.6.16	14.6.16	15.6.16	16.6.16
1	II A	611215104002	ABINOV KAASHYAP.T.R	/	/	/	/
2	II A	611215104005	ARUNBALA.B	/	/	/	/
3	II A	611215104008	BALAJI.G	/	/	/	/
4	II A	611215104018	GANGA SREE.K.M	/	/	/	9
5	II A	611215104022	GOKUL.D	/	/	/	/
6	II A	611215104027	HARINIS	/	/	/	/
7	II A	611215104029	HARI PRIYA.R	/	/	/	/
8	II A	611215104031	JAIVIGNESH.C.S	/	/	/	/
9	II A	611215104032	JAMUNASRI.K	/	/	/	/
10	II A	611215104033	KARTHI.M	/	/	/	/
11	II A	611215104039	KISHORE KUMAR.K	/	/	/	/
12	II A	611215104044	LOGANATHAN.M	/	/	/	/
13	II A	611215104050	MONIKA.G	/	/	/	/
14	II A	611215104054	NANDHINIS	a	/	/	/
15	II A	611215104061	PRAGATHIS	/	/	/	/
16	II A	611215104063	PRATHEEBA.D	/	/	/	/
17	II A	611215104068	PRIYANKA.M	/	/	/	/
18	II A	611215104070	RAMYA. K.S	/	/	/	/
19	II A	611215104078	SALMAN.A	/	/	/	/
20	II A	611215104080	SANDYA.S	/	/	/	/
21	II A	611215104085	SHAJEL ROSHNI.A	/	/	/	/
22	II A	611215104089	SOWMIYA.M	/	/	/	/
23	II A	611215104095	SRUTHI.K	/	/	/	/
24	II A	611215104096	SUNILKUMAR. N	/	/	/	/
25	II A	611215104097	SUNMATHI.V	/	/	/	/
26	II A	611215104104	VIMALAN.M	/	/	/	/
27	II B	611215104001	ABINAYA.S	/	/	/	/
28	II B	611215104011	DEEPAN NAGARAJAN.B	/	/	/	/
29	II B	611215104013	DIVVYA DEVI.M	/	/	/	/
30	II B	611215104017	FOUZIYA ISRATH.S	/	/	/	/
31	II B	611215104020	GAYATHRIS	/	/	/	/
32	II B	611215104034	KARTHICK.K	/	/	/	/
33	II B	611215104035	KAVIN.M	/	/	/	/



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34	II B	611215104040	KOUSHIKAA.P	/	/	/	/	
35	II B	611215104041	KOWSALYA.D	/	/	/	/	
36	II B	611215104045	LOGAPRIYA.K	/	/	/	/	
37	II B	611215104048	MOHAMED SHAGUL HAMEED.M	/	/	/	/	
38	II B	611215104051	MOUNICKA.M	/	/	/	/	
39	II B	611215104055	NEVIL ANDRO.R	/	/	/	/	
40	II B	611215104057	PADMAKUMAR.K.N.	/	/	/	/	
41	II B	611215104064	PRAVEEN KUMAR.B	/	/	/	/	
42	II B	611215104066	PREETHI.S	/	/	/	a	
43	II B	611215104069	RAGHURAM.M	/	/	/	/	
44	II B	611215104075	REVANTH.N	/	/	/	/	
45	II B	611215104076	REVATHI.B	a	/	/	/	
46	II B	611215104077	SAI RAMYA.K	/	/	/	/	
47	II B	611215104081	SARAN.M	/	/	/	/	
48	II B	611215104084	SATHIYAMOORTHY.M	/	/	/	/	
49	II B	611215104088	SOWMIYA.J	/	/	/	/	
50	II B	611215104092	SREE SANKARI.P.S	/	/	/	/	
51	II B	611215104099	THAMANIPRIYA.C	/	/	/	/	
52	II B	611215104101	VARSSINI.K	/	/	/	/	
53	II B	611215104102	VEDA MEENA.D	/	/	/	/	
54	II B	611215104106	VISHNULAL.M	/	/	/	/	
				No. of Students Present	52	51	51	52
				No of Students Absent	02	-	-	02

*Jelani*  
16.06.26  
Faculty Incharge

*U*  
6/2/24  
HOD

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




# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Problem Solving and Computer Programming using E-Box (Module I)

13.06.2016-16.06.2016 | Course Attendance

Sl.No	Year	Register Number	Student Name	13.06.16	14.06.16	15.06.16	16.06.16
1	III	611214105002	ANU.J	/	/	/	/
2	III	611214105008	DHAMODHARAN.Y	/	/	/	/
3	III	611214105009	DIVYABHARATHLP	/	/	/	/
4	III	611214105012	ESWARAN.S.	/	/	/	/
5	III	611214105014	GOPINATH.P.	/	/	/	/
6	III	611214105016	GOWTHAMRAJ.R	a	/	/	/
7	III	611214105018	HEMA.S. U	/	/	/	/
8	III	611214105020	INIYA.V	/	/	/	/
9	III	611214105021	JAISHNU.M	/	/	/	/
10	III	611214105024	JAYA KRISHNA S.V	/	/	/	a
11	III	611214105025	JAYAPRAKASH.B	/	/	/	/
12	III	611214105026	KARTHLM	/	/	/	/
13	III	611214105028	KARTHICK.S.	/	/	a	/
14	III	611214105029	KARTHIKEYAN.D	/	/	/	/
15	III	611214105033	KARTHIK RAJA.G.	/	/	/	/
16	III	611214105034	KAVI KIRUTHIGA. P	a	/	/	/
17	III	611214105035	KAVINKUMAR.A.R	/	/	/	/
18	III	611214105037	KAVISRI.S	/	/	/	/
19	III	611214105041	MANIKANDAN.M.	/	/	/	/
20	III	611214105042	MANIVASAN.A	/	a	/	/
21	III	611214105043	MANOJ.V	/	/	/	/
22	III	611214105044	MENAKA.R	/	/	/	/
23	III	611214105046	MEYVEL.K	/	/	/	a
24	III	611214105051	MOULISANKAR.R	/	/	/	/
25	III	611214105052	MUKESH KUMAR.N	/	/	/	/
26	III	611214105053	MURALIP	/	/	/	/
27	III	611214105054	MURUGAN.C.	/	/	/	/
28	III	611214105060	PRAVIN.J	/	/	/	/
29	III	611214105062	PREETHIKA.K	a	/	/	/
30	III	611214105063	PREMKUMAR.S	/	/	/	/
31	III	611214105065	PRIYANKA.B	/	/	/	/
32	III	611214105069	RANJITH.I	/	/	/	/
33	III	611214105072	ROJA.M	/	/	/	/
34	III	611214105073	SAMPATH.M	/	/	/	/
35	III	611214105077	SANTHOSH KUMAR. K	/	/	/	/
36	III	611214105079	SARTH KUMAR.S	/	/	/	/
37	III	611214105082	SATHIYA PRIYA.M	/	/	/	a
38	III	611214105087	SOWRANCHANA.S	/	/	/	/
39	III	611214105089	SURENDIRAN.M	/	/	/	/
40	III	611214105093	USHA DEVLE	/	a	/	/
41	III	611214105096	VIGNESH.S	/	/	/	/
42	III	611214105303	BOOPATHI S	/	/	/	/
43	III	611214105304	CHANDRASEKAR P	/	/	a	/
44	III	611214105307	GEETHA V	/	/	/	/
45	III	611214105311	KARUPPUSAMY P	/	/	/	/

  
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Sl.No	Year	Register Number	Student Name	13.06.16	14.06.16	15.06.16	16.06.16
46	III	611214105701	THARINIR	/	/	/	/
47	III	611214105001	AJITH KUMAR.U	/	/	/	/
48	III	611214105004	BHARATH.V	/	/	/	/
49	III	611214105006	BOOPALAN.T	/	/	/	/
50	III	611214105022	JANANI.P.	/	/	/	/
51	III	611214105023	JAWAHAR RAJ.M	/	/	/	/
52	III	611214105030	KARTHIKEYAN.N	/	/	/	/
53	III	611214105032	KARTHIKEYAN.R	a	/	/	/
54	III	611214105038	KAVITHA.M	/	/	/	/
55	III	611214105040	KUMARESH.M	/	/	/	/
56	III	611214105047	MITHILA.R.	/	a	/	/
57	III	611214105057	NAGHA ABIRAMI.S.S	/	/	/	/
58	III	611214105059	POOMALAIRAJ.K	/	/	/	/
59	III	611214105064	PREM KUMAR.R	/	/	/	/
60	III	611214105066	PRIYANKA DEVI.S	/	/	a	a
61	III	611214105067	RAMYA.P	/	/	/	/
62	III	611214105068	RAMYAA.M	/	/	/	/
63	III	611214105074	SANGAVI.D	/	/	/	/
64	III	611214105076	SANTHOSH.C. S	/	/	/	/
65	III	611214105078	SARAVANAN.K	a	/	/	/
66	III	611214105081	SASIPRIYA.S.	/	/	a	/
67	III	611214105083	SELVAPRIYA.S	/	/	/	/
68	III	611214105085	SONALI.S	/	/	/	/
69	III	611214105086	SOWNDHARYA.K	/	/	/	/
70	III	611214105088	SUGANYA.K	/	/	/	/
71	III	611214105091	THANGAM.A	/	/	/	/
72	III	611214105092	THIRTHA PRIYAN.D	/	/	/	/
73	III	611214105095	VIGNESH.R	/	/	/	/
74	III	611214105099	YUGANDRAN.S	/	/	/	/
75	III	611214105301	ANITHA R	/	/	/	/
76	III	611214105302	ASHOK KUMAR S	/	/	/	/
77	III	611214105306	DHIVYA A	/	/	/	/
78	III	611214105310	JANANI R	/	/	/	/
79	III	611214105312	PRAVEEN KUMAR S	/	/	/	/
80	III	611214105317	UMESH M	/	a	/	/
81	III	611214105318	VANMATHI M E	/	/	/	a
82	III	611214105501	KARTHICK S	/	/	/	/
83	III	611214105005	BOOBANA.M	/	/	/	/
84	III	611214105017	HARIHARAN.G	/	/	/	/
85	III	611214105031	KARTHIKEYAN.R	/	/	/	/
86	III	611214105061	PRAVIN KUMAR.S.	/	/	/	/
87	III	611214105084	SENTHIL KUMAR.P	/	/	/	/
88	III	611214105097	VIJAY.S	/	/	/	/
No. of Students Present				83	84	85	83
No of Students Absent				5	4	3	5

*B. Suresh*  
Dept. CC Coordinator

*D. V. Jayaram*  
HOD/EEE

*pm*  
PRINCIPAL,  
Knowledge Institute of Technology  
Kakkoalavam (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)

13.06.2016 -16.06.2016 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	II A	611215104002	ABINOV KAASHYAP.T.R	68
2	II A	611215104005	ARUNBALA.B	84
3	II A	611215104008	BALAJI.G	75
4	II A	611215104018	GANGA SREE.K.M	60
5	II A	611215104022	GOKUL.D	63
6	II A	611215104027	HARINIS	69
7	II A	611215104029	HARI PRIYA.R	73
8	II A	611215104031	JAIVIGNESH.C.S	83
9	II A	611215104032	JAMUNASRI.K	77
10	II A	611215104033	KARTHIM	82
11	II A	611215104039	KISHORE KUMAR.K	66
12	II A	611215104044	LOGANATHAN.M	62
13	II A	611215104050	MONIKA.G	76
14	II A	611215104054	NANDHINIS	85
15	II A	611215104061	PRAGATHIS	65
16	II A	611215104063	PRATHEEBA.D	72
17	II A	611215104068	PRIYANKA.M	70
18	II A	611215104070	RAMYA. K.S	61
19	II A	611215104078	SALMAN.A	80
20	II A	611215104080	SANDYA.S	86
21	II A	611215104085	SHAJEL ROSHNI.A	68
22	II A	611215104089	SOWMIYA.M	63
23	II A	611215104095	SRUTHI.K	85
24	II A	611215104096	SUNILKUMAR. N	74
25	II A	611215104097	SUNMATHI.V	62
26	II A	611215104104	VIMALAN.M	81
27	II B	611215104001	ABINAYAS	67
28	II B	611215104011	DEEPAN NAGARAJAN.B	81
29	II B	611215104013	DIVVYA DEVI.M	64
30	II B	611215104017	FOUZIYA ISRATH.S	84
31	II B	611215104020	GAYATHRI.S	65

Principal,

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

32	II B	611215104034	KARTHICK.K	82
33	II B	611215104035	KAVIN.M	68
34	II B	611215104040	KOUSHIKAA.P	83
35	II B	611215104041	KOWSALYA.D	70
36	II B	611215104045	LOGAPRIYA.K	67
37	II B	611215104048	MOHAMED SHAGUL HAMEED.M	62
38	II B	611215104051	MOUNICKA.M	82
39	II B	611215104055	NEVIL ANDRO.R	66
40	II B	611215104057	PADMAKUMAR.K.N.	79
41	II B	611215104064	PRAVEEN KUMAR.B	69
42	II B	611215104066	PREETHI.S	69
43	II B	611215104069	RAGHURAM.M	65
44	II B	611215104075	REVANTH.N	60
45	II B	611215104076	REVATHI.B	61
46	II B	611215104077	SAI RAMYA.K	84
47	II B	611215104081	SARAN.M	70
48	II B	611215104084	SATHIYAMOORTHY.M	76
49	II B	611215104088	SOWMIYA.J	73
50	II B	611215104092	SREE SANKAR.I.P.S	69
51	II B	611215104099	THAMANIPRIYA.C	69
52	II B	611215104101	VARSSINI.K	63
53	II B	611215104102	VEDA MEENA.D	86
54	II B	611215104106	VISHNULAL.M	62

\*\*Max Marks - 100 | Min Marks - 60

*[Signature]*  
Faculty Incharge

*[Signature]*  
HOD

*[Signature]*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504





# CERTIFICATE OF COMPLETION

This is to certify that **SOWMIYA.J**, Knowledge Institute of  
Technology, Salem , has sucessfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module I)**  
during **13.06.2016 -16.06.2016**.



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

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION

This is to certify that **SAI RAMYA.K**, Knowledge Institute of Technology, Salem , has sucessfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **13.06.2016 -16.06.2016**.



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **KAVIN.M**, Knowledge Institute of Technology,  
**Salem** , has sucessfully completed the certificate course on **Problem  
Solving and Computer Programming using E-Box (Module I)** during  
**13.06.2016 -16.06.2016.**



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

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION

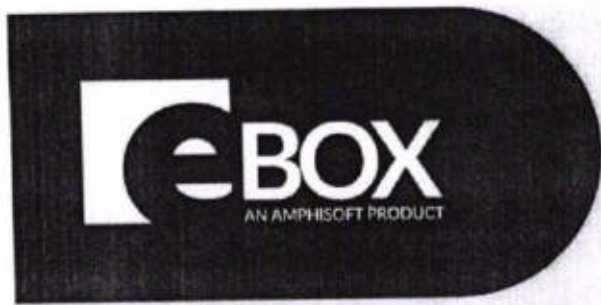
This is to certify that **PRIYANKA.M**, Knowledge Institute of Technology, Salem , has sucessfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **13.06.2016 -16.06.2016**.



  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637.50

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **GANGA SREE.K.M**, Knowledge Institute of  
**Technology, Salem** , has sucessfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module I)**  
during **13.06.2016 -16.06.2016**.



  
Principal,  
Knowledge Institute of Technolog  
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: S. Harini

Course Title: Problem Solving and Computer programming using E-Box (ME).

Year/ Sem: II (III)

Dept : CSE.

Date: 16.6.16.

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 the concept.  
Examples are very good.

Suggestions for improvement:

—

pm

Principal,

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

S. Harini S.  
(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. KARTHI

Course Title: PROBLEM SOLVING AND COMPUTER PROGRAMMING USING E-BOX (M-I)

Year/ Sem: II / II

Dept : CSE

Date: 16.6.2016

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:

Lot of Problems in 'c' to solve by our own and it was good training way -

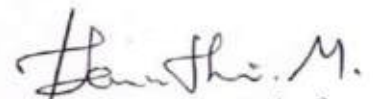
Suggestions for improvement:

-



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: M. DIVYA DEVI

Course Title: Problem Solving & Computer programming using E-Box (MS)

Year/ Sem: 2nd/3rd.

Dept : CSE

Date: 16.6.16.

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:

Simple learning methodology they were used.

Suggestions for improvement:

Need more explanation

Principal,

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

Divya Devi.  
(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: D. Pratheepa.

Course Title: Problem Solving & Computer programming.

Year/ Sem: I / I

King E Box.

Dept : CE

Date: 16.6.16

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:

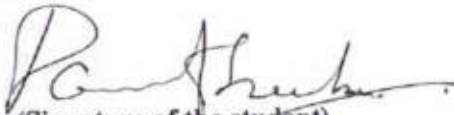
Clear explanation with syntax and examples. for each was given.

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: M. Vimalan

Course Title: PSCP wing EROX (ME)

Year/ Sem: II / I

Dept : CSE

Date: 16.6.16.

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 with real-time examples is good and understandable.

### Suggestions for improvement:

Want More notes.

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>	13.06.2016 - 17.06.2016	<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,  
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 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

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



01.06.2016

Salem

From

Prof.A.Sekar,  
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.**

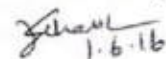
We have planned to conduct certification course on "Problem Solving and Computer Programming using E-Box (Module II)" from 13.06.2016 -17.06.2016 for a period of 05 days with the duration of 40 hours. This course will be helpful for the skill development and placement of our III year students. In this regard, we request you to endowment as permission to conduct the course.

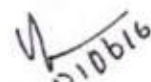
The course details are as follows:

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 13.06.2016 -17.06.2016 9.00am - 5.00pm	Prof. T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

  
1.6.16

  
510616  
HOD/CSE

  
PRINCIPAL

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



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2016/CC/ODD/02	Date	06.06.2016
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 13.06.2016 -17.06.2016 & 9.00am - 5.00pm	Prof . T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. A.Sekar, Assistant Professor/CSE

*A. Sekar*  
6/6/16  
FACULTY INCHARGE

*A. Sekar*  
6/6/16  
HOD/CSE

*[Signature]*  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

*[Signature]*  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637



KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
Problem Solving and Computer Programming using E-Box (Module II)

13.06.2016 - 17.06.2016

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	III B	611214104001	ANITHA. P
2	III B	611214104004	BALACHANDAR.A
3	III B	611214104005	BRINDHA.Y
4	III B	611214104009	DINESH. A
5	III B	611214104013	GOPIKRISHNAN.M
6	III B	611214104018	INDUMATHI. P
7	III B	611214104026	KAVIPRIYA .M
8	III B	611214104028	KAVYA.S
9	III B	611214104035	MADHESHRAJ.S
10	III B	611214104036	MADHUMITHA.R
11	III B	611214104043	NANDHINI .N
12	III B	611214104044	NANDHINI.R.S
13	III B	611214104050	PADMA PRIYA. G
14	III B	611214104051	PAVETHRA .E.
15	III B	611214104054	PRIYADARSHINI .M
16	III B	611214104061	RAGUL.A.S
17	III B	611214104062	RANJITHA R
18	III B	611214104067	SAKTHIVEL.V
19	III B	611214104072	SATHICK IBRAHIM.S
20	III B	611214104074	SHARATH KUMAR. N
21	III B	611214104082	SRI KUMARAN.V
22	III B	611214104083	SRI SOWMYA.M
23	III B	611214104084	SUBHANANTHAN E .R
24	III B	611214104085	SUMA. J
25	III B	611214104087	SURYA.S
26	III B	611214104088	SWATHY.D
27	III B	611214104091	USHARANI.T
28	III B	611214104301	DINESH. E
29	III B	611214104307	SANJALI
30	III A	611214104002	ARAVIND KUMAR.S

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

# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

13.06.2016-17.06.2016 | Students Enrollment List

Sl.No	Year	Register Number	Student Name
1	IV	611213105001	ABINAYA K
2	IV	611213105002	AKSHAYA P R
3	IV	611213105003	ARCHANA R
4	IV	611213105005	ASHWIN R
5	IV	611213105007	ELAKIYA S
6	IV	611213105008	GANDHIMATHI R
7	IV	611213105009	GAYATHRI R
8	IV	611213105012	GOPINATH J
9	IV	611213105013	GOPINATH M
10	IV	611213105014	HARITHARAN C
11	IV	611213105015	JAYA SURIYA J
12	IV	611213105016	JEEVANANTHAM K
13	IV	611213105017	JULIEISONA G
14	IV	611213105021	KARTHIK D V
15	IV	611213105022	KARTHIKA K G
16	IV	611213105023	KARTHIKEYAN M
17	IV	611213105024	KAUSALYA K
18	IV	611213105025	KAVIN M
19	IV	611213105028	KRISHNAKUMAR C
20	IV	611213105029	KRISHNAPRASANTH B
21	IV	611213105030	KRUTHIKA V M
22	IV	611213105031	LINGESH R
23	IV	611213105032	LOGARANJITHAN B
24	IV	611213105033	LOKESH P
25	IV	611213105036	MANISHA M
26	IV	611213105037	MANOJ PRASAATH C
27	IV	611213105038	MATHIYARASU M
28	IV	611213105039	MOHAN KUMAR K
29	IV	611213105040	MOHANRAJ K
30	IV	611213105043	NADHIYA M
31	IV	611213105044	NANDHAKUMAR S
32	IV	611213105045	NANDHINI R
33	IV	611213105046	NANTHAKUMAR M
34	IV	611213105050	NIVETHA M
35	IV	611213105053	PERIANAYAKI M
36	IV	611213105054	POORNIMA Y
37	IV	611213105055	POURNESH M
38	IV	611213105058	PRASANTH C
39	IV	611213105060	PRATHIBHA V
40	IV	611213105061	PRAVINKUMAR R
41	IV	611213105062	PRIYA P
42	IV	611213105063	RAMACHANDRAN G
43	IV	611213105064	RAMYA K
44	IV	611213105065	RAMYAA S K
45	IV	611213105066	RAMYALAKSHMI K
46	IV	611213105069	SANDHIYA S
47	IV	611213105070	SANTHI V
48	IV	611213105073	SARANYADEVI P
49	IV	611213105074	SARAVANAPRASAATH S R
50	IV	611213105075	SASIKUMAR B
51	IV	611213105076	SATHIYA SEELAN P
52	IV	611213105078	SHRUTHI SHAHANA R
53	IV	611213105079	SIVASANKAR K

PRINCIPAL,

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



54	IV	611213105080	SOBANA R R
55	IV	611213105081	SRINIVASAN R
56	IV	611213105082	SRINIVASAN S
57	IV	611213105083	SRIRAM G
58	IV	611213105084	SRITHAR M
59	IV	611213105085	SUBATHRA A
60	IV	611213105087	TAMIZHAZHAGAN M
61	IV	611213105088	TARANA APJ
62	IV	611213105089	UMAPATHI R
63	IV	611213105092	VIGNESH M
64	IV	611213105093	VIGNESH S
65	IV	611213105094	VIGNESHWARAN R
66	IV	611213105095	VIJAYAKUMAR G
67	IV	611213105096	VIJAYAKUMAR N
68	IV	611213105097	VINITHA G
69	IV	611213105099	VINOTHKUMAR M
70	IV	611213105101	VISHNU PRIYAA R
71	IV	611213105301	ANBU A
72	IV	611213105302	ARAVINDRAJ G
73	IV	611213105303	DEEPAK KUMAR R
74	IV	611213105305	HARISHANKAR N
75	IV	611213105306	KALAIMANI M
76	IV	611213105307	KEERTHANA D
77	IV	611213105308	MANIKANDAN K
78	IV	611213105310	MUTHUKUMAR R
79	IV	611213105311	NIZAR D
80	IV	611213105312	PARTHASARATHY R
81	IV	611213105313	POOVARASAN K
82	IV	611213105314	SADURUDEEN S
83	IV	611213105316	SIRANJEEVI S
84	IV	611213105317	SURESH B
85	IV	611213105318	TAMIL MANI S

*B. Sander*  
12/11/16  
Dept. CC Coordinator

*[Signature]*  
HOD/EEE

*[Signature]*  
PRINCIPAL,  
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 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

*S. S. S. S.*  
1.6.16  
Course Cordinator

*H. D. B. C.*  
HOD

*P. M.*  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504



KNOWLEDGE INSITTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

13.06.2016 - 17.06.2016 | Course Attendance

Sl.No	Year	Register Number	Student Name	13.6.16	14.6.16	15.6.16	16.6.16	17.6.16
1	III B	611214104001	ANITHA. P	/	/	/	/	/
2	III B	611214104004	BALACHANDAR.A	/	/	/	/	/
3	III B	611214104005	BRINDHA.Y	/	/	/	/	/
4	III B	611214104009	DINESH. A	/	/	/	/	/
5	III B	611214104013	GOPIKRISHNAN.M	/	/	/	/	/
6	III B	611214104018	INDUMATHI. P	/	/	/	/	/
7	III B	611214104026	KAVIPRIYA .M	/	/	/	/	/
8	III B	611214104028	KAVYA.S	/	/	/	/	/
9	III B	611214104035	MADHESHRAJS	/	/	/	/	/
10	III B	611214104036	MADHUMITHA.R	/	/	/	/	a
11	III B	611214104043	NANDHINI .N	/	/	/	/	/
12	III B	611214104044	NANDHINI.R.S	/	/	/	/	/
13	III B	611214104050	PADMA PRIYA. G	/	/	/	/	/
14	III B	611214104051	PAVETHRA .E.	/	/	/	/	/
15	III B	611214104054	PRIYADARSHINI .M	/	/	/	/	/
16	III B	611214104061	RAGUL.A.S	/	/	/	/	/
17	III B	611214104062	RANJITHA R	a	/	/	/	/
18	III B	611214104067	SAKTHIVEL.V	/	/	/	/	/
19	III B	611214104072	SATHICK IBRAHIMS	/	/	/	/	/
20	III B	611214104074	SHARATH KUMAR. N	/	/	/	/	/
21	III B	611214104082	SRI KUMARAN.V	/	/	/	/	/
22	III B	611214104083	SRI SOWMYA.M	/	/	/	/	a
23	III B	611214104084	SUBHANANTHAN E .R	/	/	/	/	/
24	III B	611214104085	SUMA. J	/	/	/	/	/
25	III B	611214104087	SURYA.S	/	/	/	/	/
26	III B	611214104088	SWATHY.D	/	/	/	/	/
27	III B	611214104091	USHARANIT	/	/	/	/	/
28	III B	611214104301	DINESH. E	/	/	/	a	/
29	III B	611214104307	SANJALI	/	/	/	/	/
30	III A	611214104002	ARAVIND KUMAR.S	/	a	/	/	/
31	III A	611214104003	ARUN .N	/	/	/	/	/
32	III A	611214104007	CHANDRU.N	/	/	/	/	/
33	III A	611214104011	GIRIDHARAN.V	/	/	/	/	/

*Pm*

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

34	III A	611214104016	HARINETHA.M	/	/	/	/	/
35	III A	611214104017	HEMAPRABHA. R	/	/	/	/	/
36	III A	611214104022	JANANI .R	/	/	/	/	/
37	III A	611214104023	JONAS SALK. R	/	/	/	/	/
38	III A	611214104024	KAVIKUYIL.K	/	/	/	/	/
39	III A	611214104025	KAVIPRIYA.A	/	/	/	/	/
40	III A	611214104027	KAVITHA.S	/	/	/	/	/
41	III A	611214104029	KEERTHANA PRIYA.M	/	/	/	/	/
42	III A	611214104031	KOWSALYA.S	/	/	/	/	/
43	III A	611214104034	MAARLIN.R	/	/	/	/	/
44	III A	611214104037	MATHI PRIYA J	/	/	/	/	/
45	III A	611214104039	MONIKA .R. K	/	/	/	/	/
46	III A	611214104042	NANDADEEBAN. C	/	/	/	/	/
47	III A	611214104047	NARMADHA.H	/	/	/	/	/
48	III A	611214104048	NAVEEN.K	/	/	/	/	/
49	III A	611214104053	PREETHI.M	/	/	/	/	/
50	III A	611214104055	PRIYADHARSHINI.R	/	/	/	/	/
51	III A	611214104058	PUNITHA.K	/	/	/	/	/
52	III A	611214104064	REKHAA.R	/	/	/	/	/
53	III A	611214104069	SARAVANAN.K	/	/	/	/	/
54	III A	611214104070	SASIMADHUMITHA.B	/	/	/	/	/
55	III A	611214104073	SHANMUGAMA.A	/	/	/	/	/
56	III A	611214104075	SIVA JOTHLV	/	/	/	/	/
57	III A	611214104077	SOUNDARYA.K	/	/	/	/	/
58	III A	611214104079	SOUNDRAVALLI.M	/	/	/	/	/
59	III A	611214104093	VIGNESHWARI J	/	/	/	/	/
60	III A	611214104094	VIMALA. E	/	/	/	/	/
61	III A	611214104096	YOGESHWARAN.V	/	/	/	/	/
62	III A	611214104303	GOVARTHANAN.V	/	/	/	/	/
63	III A	611214104308	SARAVANAN.R	/	/	/	/	/
64	III A	611214104502	KALAIYARASI G	/	/	/	/	/
No. of Students Present				63	63	63	63	62
No of Students Absent				01	01	01	01	02

Jeyanthi 17-6-16  
Faculty Incharge

*[Signature]*  
17-6-16  
HOD

*[Signature]*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 504



# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Problem Solving and Computer Programming using E-Box (Module II)

13.06.2016-17.06.2016 | Course Attendance

Sl.No	Year	Register Number	Student Name	13.06.16	14.06.16	15.06.16	16.06.16	17.06.17
1	IV	611213105001	ABINAYA K	/	/	/	/	/
2	IV	611213105002	AKSHAYA P R	/	/	/	/	/
3	IV	611213105003	ARCHANA R	/	/	/	/	/
4	IV	611213105005	ASHWIN R	a	/	/	a	/
5	IV	611213105007	ELAKIYA S	/	/	/	/	/
6	IV	611213105008	GANDHIMATHI R	/	/	/	/	a
7	IV	611213105009	GAYATHRI R	/	/	/	/	/
8	IV	611213105012	GOPINATH J	/	/	/	/	/
9	IV	611213105013	GOPINATH M	/	/	/	/	/
10	IV	611213105014	HARITHARAN C	/	a	/	/	/
11	IV	611213105015	JAYA SURIYA J	/	/	/	/	/
12	IV	611213105016	JEEVANANTHAM K	/	/	/	/	/
13	IV	611213105017	JULIEISONA G	/	/	/	/	/
14	IV	611213105021	KARTHIK D V	/	/	/	/	a
15	IV	611213105022	KARTHIKA K G	/	/	/	/	/
16	IV	611213105023	KARTHIKEYAN M	/	a	/	/	/
17	IV	611213105024	KAUSALYA K	/	/	/	/	/
18	IV	611213105025	KAVIN M	/	/	/	/	/
19	IV	611213105028	KRISHNAKUMAR C	/	/	a	/	/
20	IV	611213105029	KRISHNAPRASANTH B	/	/	/	/	/
21	IV	611213105030	KRUTHIKA V M	/	/	/	/	/
22	IV	611213105031	LINGESH R	/	a	/	/	/
23	IV	611213105032	LOGARANJITHAN B	/	/	/	/	/
24	IV	611213105033	LOKESH P	a	/	/	/	/
25	IV	611213105036	MANISHA M	/	/	/	/	/
26	IV	611213105037	MANOJ PRASAATH C	/	/	/	/	/
27	IV	611213105038	MATHIYARASU M	/	/	/	a	/
28	IV	611213105039	MOHAN KUMAR K	/	/	/	/	/
29	IV	611213105040	MOHANRAJ K	/	/	/	/	/
30	IV	611213105043	NADHIYA M	/	/	/	/	/
31	IV	611213105044	NANDHAKUMAR S	/	/	/	/	/
32	IV	611213105045	NANDHINI R	/	/	/	/	/
33	IV	611213105046	NANTHAKUMAR M	/	/	/	/	/
34	IV	611213105050	NIVETHA M	/	/	/	/	/
35	IV	611213105053	PERIANAYAKI M	/	/	a	/	/
36	IV	611213105054	POORNIMA Y	/	/	/	/	/
37	IV	611213105055	POURNESH M	/	/	/	/	/
38	IV	611213105058	PRASANTH C	/	/	/	/	/
39	IV	611213105060	PRATHIBHA V	/	/	/	/	/
40	IV	611213105061	PRAVINKUMAR R	/	/	/	/	/
41	IV	611213105062	PRIYA P	/	/	a	/	/
42	IV	611213105063	RAMACHANDRAN G	/	/	/	/	/
43	IV	611213105064	RAMYA K	/	/	/	/	/
44	IV	611213105065	RAMYAA S K	/	/	/	/	/
45	IV	611213105066	RAMYALAKSHMI K	/	/	/	a	/



Sl.No	Year	Register Number	Student Name	13.06.16	14.06.16	15.06.16	16.06.16	17.06.17
46	IV	611213105069	SANDHIYA S	/	/	/	/	/
47	IV	611213105070	SANTHI V	/	/	/	/	/
48	IV	611213105073	SARANYADEVI P	/	/	/	/	/
49	IV	611213105074	SARAVANAPRASAATH S R	/	/	/	/	/
50	IV	611213105075	SASIKUMAR B	a	/	/	/	/
51	IV	611213105076	SATHIYA SEELAN P	/	/	/	/	/
52	IV	611213105078	SHRUTHI SHAHANA R	/	/	/	/	/
53	IV	611213105079	SIVASANKAR K	/	/	/	a	7
54	IV	611213105080	SOBANA R R	/	/	/	/	/
55	IV	611213105081	SRINIVASAN R	/	/	/	/	/
56	IV	611213105082	SRINIVASAN S	/	/	/	/	/
57	IV	611213105083	SRIRAM G	/	/	/	/	/
58	IV	611213105084	SRITHAR M	a	/	/	/	/
59	IV	611213105085	SUBATHRA A	/	/	/	/	/
60	IV	611213105087	TAMIZHAZHAGAN M	/	/	/	/	/
61	IV	611213105088	TARANA APJ	/	/	/	/	/
62	IV	611213105089	UMAPATHI R	/	/	/	/	/
63	IV	611213105092	VIGNESH M	/	/	/	/	/
64	IV	611213105093	VIGNESH S	/	/	/	/	/
65	IV	611213105094	VIGNESHWARAN R	/	/	/	/	/
66	IV	611213105095	VIJAYAKUMAR G	/	/	/	/	a
67	IV	611213105096	VIJAYAKUMAR N	/	/	/	/	/
68	IV	611213105097	VINITHA G	/	/	/	/	/
69	IV	611213105099	VINOTHKUMAR M	/	a	/	/	/
70	IV	611213105101	VISHNU PRIYAA R	/	/	/	/	/
71	IV	611213105301	ANBU A	/	/	/	/	/
72	IV	611213105302	ARAVINDRAJ G	/	/	/	/	/
73	IV	611213105303	DEEPAK KUMAR R	/	/	/	/	/
74	IV	611213105305	HARISHANKAR N	/	/	/	/	/
75	IV	611213105306	KALAIMANI M	/	/	/	/	/
76	IV	611213105307	KEERTHANA D	a	/	/	/	/
77	IV	611213105308	MANIKANDAN K	/	/	/	/	/
78	IV	611213105310	MUTHUKUMAR R	/	/	/	/	/
79	IV	611213105311	NIZAR D	/	/	/	/	/
80	IV	611213105312	PARTHASARATHY R	/	/	/	/	/
81	IV	611213105313	POOVARASAN K	/	/	/	a	/
82	IV	611213105314	SADURUDEEN S	/	/	/	/	/
83	IV	611213105316	SIRANJEEVI S	/	/	/	/	/
84	IV	611213105317	SURESH B	/	/	/	/	/
85	IV	611213105318	TAMIL MANI S	/	/	/	/	/
No. of Students Present				80	81	82	80	82
No of Students Absent				5	4	3	5	3

B. Suresh  
Dept. EC Coordinator

HOD/EEE 17/06/17

PK NLIPAL  
Knowledge Institute of Technology  
Vakopalayam (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)

13.06.2016 - 17.06.2016 | Assessment Report

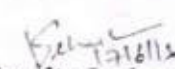
Sl.No	Year	Register Number	Student Name	Final Assessment %
1	III B	611214104001	ANITHA. P	67
2	III B	611214104004	BALACHANDAR.A	65
3	III B	611214104005	BRINDHA.Y	67
4	III B	611214104009	DINESH. A	77
5	III B	611214104013	GOPIKRISHNAN.M	86
6	III B	611214104018	INDUMATHI. P	72
7	III B	611214104026	KAVIPRIYA .M	68
8	III B	611214104028	KAVYA.S	86
9	III B	611214104035	MADHESHRAJ.S	73
10	III B	611214104036	MADHUMITHA.R	72
11	III B	611214104043	NANDHINI .N	69
12	III B	611214104044	NANDHINI.R.S	76
13	III B	611214104050	PADMA PRIYA. G	77
14	III B	611214104051	PAVETHRA .E.	79
15	III B	611214104054	PRIYADARSHINI .M	61
16	III B	611214104061	RAGUL.A.S	80
17	III B	611214104062	RANJITHA R	81
18	III B	611214104067	SAKTHIVEL.V	87
19	III B	611214104072	SATHICK IBRAHIM.S	62
20	III B	611214104074	SHARATH KUMAR. N	84
21	III B	611214104082	SRI KUMARAN.V	83
22	III B	611214104083	SRI SOWMYA.M	61
23	III B	611214104084	SUBHANANTHAN E .R	71
24	III B	611214104085	SUMA. J	70
25	III B	611214104087	SURYA.S	61
26	III B	611214104088	SWATHY.D	63
27	III B	611214104091	USHARANI.T	72
28	III B	611214104301	DINESH. E	61
29	III B	611214104307	SANJALI	87
30	III A	611214104002	ARAVIND KUMAR.S	78
31	III A	611214104003	ARUN .N	76

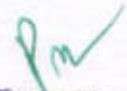
Principal,

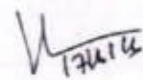
Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 504.

32	III A	611214104007	CHANDRU.N	69
33	III A	611214104011	GIRIDHARAN.V	69
34	III A	611214104016	HARINETHA.M	87
35	III A	611214104017	HEMAPRABHA. R	86
36	III A	611214104022	JANANI .R	84
37	III A	611214104023	JONAS SALK. R	86
38	III A	611214104024	KAVIKUYIL.K	81
39	III A	611214104025	KAVIPRIYA.A	68
40	III A	611214104027	KAVITHA.S	62
41	III A	611214104029	KEERTHANA PRIYA.M	61
42	III A	611214104031	KOWSALYA.S	74
43	III A	611214104034	MAARLIN.R	64
44	III A	611214104037	MATHI PRIYA .J	77
45	III A	611214104039	MONIKA .R. K	63
46	III A	611214104042	NANDADEEBAN. C	73
47	III A	611214104047	NARMADHA.H	73
48	III A	611214104048	NAVEEN.K	77
49	III A	611214104053	PREETHI.M	71
50	III A	611214104055	PRIYADHARSHINI.R	73
51	III A	611214104058	PUNITHA.K	83
52	III A	611214104064	REKHAA.R	78
53	III A	611214104069	SARAVANAN.K	64
54	III A	611214104070	SASIMADHUMITHA.B	76
55	III A	611214104073	SHANMUGAM.A	84
56	III A	611214104075	SIVA JOTHI.V	65
57	III A	611214104077	SOUNDARYA.K	77
58	III A	611214104079	SOUNDRAVALLI.M	73
59	III A	611214104093	VIGNESHWARI .J	61
60	III A	611214104094	VIMALA. E	75
61	III A	611214104096	YOGESHWARAN.V	81
62	III A	611214104303	GOVARTHANAN.V	77
63	III A	611214104308	SARAVANAN.R	63
64	III A	611214104502	KALAIYARASI G	62

\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

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

  
HOD






# CERTIFICATE OF COMPLETION

This is to certify that **MATHI PRIYA .J**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module II)**  
during **13.06.2016 - 17.06.2016**.



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

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION



This is to certify that **KOWSALYA.S**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **13.06.2016 - 17.06.2016**.



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION



This is to certify that **KAVIPRIYA.A**, Knowledge Institute of  
**Technology, Salem** , has successfully completed the certificate course on  
**Problem Solving and Computer Programming using E-Box (Module II)**  
during **13.06.2016 - 17.06.2016**.



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

  
Mrs. Punitha Pradeep  
Founder & Director




# CERTIFICATE OF COMPLETION



This is to certify that **REKHAA.R**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Problem  
Solving and Computer Programming using E-Box (Module II)** during  
**13.06.2016 - 17.06.2016.**



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION



This is to certify that **SHANMUGAM.A**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **13.06.2016 - 17.06.2016**.



  
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: Subhanathan. E.R

Course Title: (MC) Problem Solving + Computer Programming using E-Box.

Year/ Sem: III IV

Dept : CSE

Date: 17.6.16


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		✓			

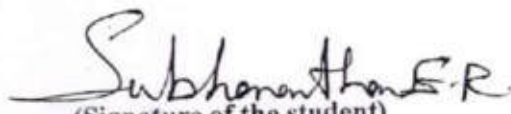
Positive points about the Lecture:

Problem Solving, Easy understanding.

Suggestions for improvement:

Need more problems to get new ideas.

  
Principal,  
Knowledge Institute of Techno  
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: N. Chandru.

Course Title: Problem Solving + Computer Programming using E-Box.

Year/ Sem: III / V

Dept : CSE

Date: 17.6.16


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:

Gained more knowledge through this program.

Suggestions for improvement:

Need more examples.

  
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: V. Sathivel.

Course Title: Problem Solving & Computer programming using E-Box (MII)

Year/ Sem: III / V

Dept : CSE

Date: 17.6.16

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		✓			

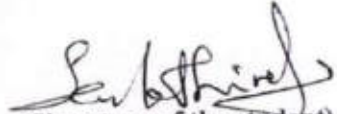
Positive points about the Lecture:

Detailed explanation about all topics.

Suggestions for improvement:

\_\_\_\_\_

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

  
(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: Aravind Kumar. S.

Course Title: (MC) PROBLEM SOLVING & COMPUTER PROGRAMMING USING E-Box.

Year/ Sem: III / V

Dept : CSE

Date: 17.6.16.

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:

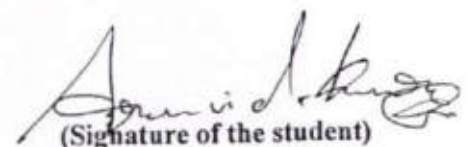
Good examples & clear Explanation.

Suggestions for improvement:

\_\_\_\_\_



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

  
(Signature of the student)



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

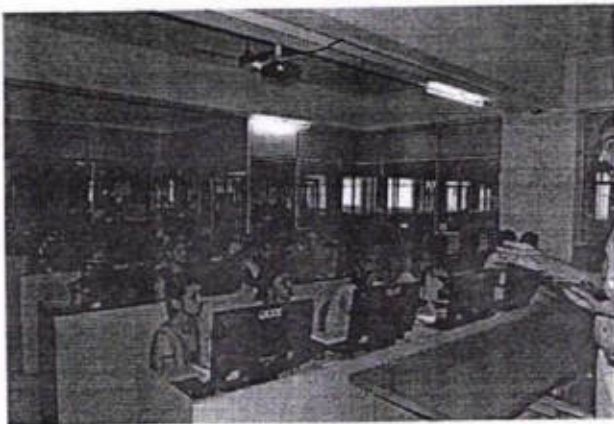
Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	02.01.2017 - 13.01.2017	<b>Resource person</b>	Prof.P.Ramya, Assistant Professor, CSE, KIOT
<b>Time</b>	1.00pm – 5.00pm	<b>Title</b>	Product Development and Programming using E-Box
<b>Venue</b>	CC11 & CC12	<b>No. of Participants</b>	<b>86</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**

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





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

## Design and System Programming using E-Box

### Course Syllabus

#### Introduction to Abstract Data Types and analysis of different algorithms

- ✓ Review of elementary data types and structures in C. The Array data type and the importance of Random Access.
- ✓ Searching an array: linear and binary search. Sorting: Merge Sort, and analysis

#### ADT Array -- searching and sorting on arrays.

- ✓ Review of Pointers in C. The Linked list ADT.
- ✓ Searching a linked list, inserting and deleting from a linked list. Application: representing a univariate polynomial, and adding two univariate polynomials

#### ADT Linked Lists, Stacks, Queues.

- ✓ List manipulation algorithms: reversal of a list, use of recursion to reverse/search. Doubly linked lists, circular linked lists.
- ✓ Stack and Queue ADT, comparison of implementation using arrays and linked lists.

#### Binary Trees

- ✓ Tree ADT representation, traversal, application of binary trees in Huffman coding.
- ✓ Introduction to expression trees: Recursive traversal depth, height, and number of nodes. post/pre/infix notation.

#### Dictionary

- ✓ Binary search trees search, insertion and deletion
- ✓ Balanced binary search trees.

#### ADT Priority queues

- ✓ Heap ADT implementation and Heapsort, in place sorting.
- ✓ Heaps for maintaining interval trees.

#### Graphs

- ✓ Representations or relations using matrices. The Graph ADT and applications
- ✓ Transitive closure, Floyd Warshall's algorithm and applications connectivity and spanning trees.

#### Advanced topics options for the teacher

- ✓ Adj. List representation of a Graph. Breadth First Search traversal and identification of shortest paths.
- ✓ Depth First Search recursive specification and application to finding articulation points.

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

21.12.2016  
Salem

From

Prof.A.Sekar,  
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 02.01.2017 - 13.01.2017 for a period of 11 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 02.01.2017 - 13.01.2017 & 9.00am - 5.00pm	<b>Prof. P.Ramya</b> Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

*Sekar*  
21.12.16

*U*  
21/12/16  
HOD/CSE

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

*S*  
PRINCIPAL





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2016/CC/EVEN/05	Date	28.12.2016
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 02.01.2017 -13.01.2017 & 9.00am - 5.00pm	<b>Prof. P.Ramya</b> Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. A.Sekar, Assistant Professor/CSE

*A.Sekar*  
FACULTY INCHARGE

*A.Sekar*  
HOD/CSE

*[Signature]*  
PRINCIPAL

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

*[Signature]*  
Principal,

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

KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

02.01.2017 -13.01.2017

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	III B	611214104001	ANITHA. P
2	III B	611214104005	BRINDHA.Y
3	III B	611214104013	GOPIKRISHNAN.M
4	III B	611214104026	KAVIPRIYA .M
5	III B	611214104036	MADHUMITHA.R
6	III B	611214104050	PADMA PRIYA. G
7	III B	611214104051	PAVETHRA .E.
8	III B	611214104054	PRIYADARSHINI .M
9	III B	611214104061	RAGUL.A.S
10	III B	611214104062	RANJITHA R
11	III B	611214104067	SAKTHIVEL.V
12	III B	611214104072	SATHICK IBRAHIM.S
13	III B	611214104082	SRI KUMARAN.V
14	III B	611214104083	SRI SOWMYA.M
15	III B	611214104084	SUBHANANTHAN E .R
16	III B	611214104085	SUMA. J
17	III B	611214104087	SURYA.S
18	III B	611214104088	SWATHY.D
19	III B	611214104091	USHARANIT
20	III B	611214104301	DINESH. E
21	III A	611214104002	ARAVIND KUMAR.S
22	III A	611214104003	ARUN .N
23	III A	611214104017	HEMAPRABHA. R
24	III A	611214104022	JANANI .R
25	III A	611214104025	KAVIPRIYA.A
26	III A	611214104027	KAVITHA.S
27	III A	611214104029	KEERTHANA PRIYA.M

Principal,

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



28	III A	611214104031	KOWSALYA.S
29	III A	611214104034	MAARLIN.R
30	III A	611214104037	MATHI PRIYA .J
31	III A	611214104039	MONIKA .R. K
32	III A	611214104042	NANDADEEBAN. C
33	III A	611214104047	NARMADHA.H
34	III A	611214104053	PREETHI.M
35	III A	611214104055	PRIYADHARSHINI.R
36	III A	611214104058	PUNITHA.K
37	III A	611214104064	REKHAA.R
38	III A	611214104069	SARAVANAN.K
39	III A	611214104070	SASIMADHUMITHA.B
40	III A	611214104073	SHANMUGAM.A
41	III A	611214104075	SIVA JOTHI.V
42	III A	611214104077	SOUNDARYA.K
43	III A	611214104079	SOUNDRAVALLI.M
44	III A	611214104094	VIMALA. E
45	III A	611214104303	GOVARTHANAN.V
46	III A	611214104308	SARAVANAN.R

*Selvan*  
22/10/19  
Faculty Incharge

*V. Srinivas*  
HOD

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

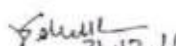
# KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

### SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	AN	Object-Oriented Programming, abstraction, encapsulation, and packages, class, member, attribute, method, constructor, and package, API
DAY 2	AN	Identifiers, Keywords, and Types, valid and invalid identifiers, eight primitive types, literal values for numeric and textual types, default initialization, reference variable
DAY 3	AN	Expressions and Flow Control, instance and local variables, variables, Java software operators, legal and illegal assignments of primitive types,
DAY 4	AN	boolean expressions, if, switch, for, while, and do , Arrays, arrays of primitive, class, or array types, multidimensional array,
DAY 5	AN	Class Design, inheritance, polymorphism, overloading, overriding, and virtual method invocation, method overloading,
DAY 6	AN	Advanced Class Features, static variables, methods, and initializers, final classes, methods, and variables, abstract classes and methods
DAY 7	AN	Exceptions and Assertions, Collections and Generics Framework, Collections framework, Map interface, legacy collection classes
DAY 8	AN	Console I/ O and File I/O, Read data from the console data to the console, files and file I/O
DAY 9	AN	Building Java GUIs Using the Swing API, the JFC Swing technology the Swing packages
DAY 10	AN	Handling GUI-Generated Events, events and event handling, GUI behavior, event listeners, concurrency, GUI-Based Applications
DAY 11	AN	construct a menu bar, menu, and menu items in a Java GUI, Understand change the color and font of a component, Threads

  
21.12.16  
Course Coordinator

  
21/12/16  
HOD



Principal,  
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KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

02.01.2017 -13.01.2017 | Course Attendance

Sl.No	Year	Register Number	Student Name	2-1-17	3-1-17	4-1-17	5-1-17	6-1-17	7-1-17	8-1-17	9-1-17	10-1-17	12-1-17	13-1-17
1	III B	611214104001	ANITHA. P	/	/	/	/	/	/	/	/	/	/	/
2	III B	611214104005	BRINDHA.Y	/	/	/	/	/	/	/	/	/	/	/
3	III B	611214104013	GOPIKRISHNAN.M	/	/	/	/	/	/	/	/	/	/	/
4	III B	611214104026	KAVIPRIYA .M	/	/	/	/	/	/	/	/	/	/	/
5	III B	611214104036	MADHUMITHA.R	/	/	/	/	/	/	/	/	/	/	/
6	III B	611214104050	PADMA PRIYA. G	/	/	/	/	/	/	/	/	/	/	a
7	III B	611214104051	PAVETHRA .E.	/	/	/	/	/	/	/	/	/	/	/
8	III B	611214104054	PRIYADARSHINI .M	/	/	/	/	/	/	/	/	/	/	/
9	III B	611214104061	RAGUL.A.S	a	/	/	/	/	/	/	/	/	/	/
10	III B	611214104062	RANJITHA R	/	/	/	/	/	/	/	/	/	/	/
11	III B	611214104067	SAKTHIVEL.V	/	/	/	/	/	/	/	/	/	/	/
12	III B	611214104072	SATHICK IBRAHIM.S	/	/	/	/	/	/	/	/	/	/	/
13	III B	611214104082	SRI KUMARAN.V	/	/	/	/	/	/	/	/	/	/	/
14	III B	611214104083	SRI SOWMYA.M	/	/	/	/	/	/	/	/	/	/	/
15	III B	611214104084	SUBHANANTHAN E .R	/	/	/	/	/	/	/	/	/	/	/
16	III B	611214104085	SUMA. J	/	/	/	/	/	/	/	/	/	/	/
17	III B	611214104087	SURYA.S	/	/	/	/	/	a	/	/	/	/	/
18	III B	611214104088	SWATHY.D	/	/	/	/	/	/	/	/	/	/	/
19	III B	611214104091	USHARANI.T	/	/	/	/	/	/	/	/	/	/	/
20	III B	611214104301	DINESH. E	/	/	/	/	/	/	/	/	/	/	/
21	III A	611214104002	ARAVIND KUMAR.S	/	/	/	/	/	/	/	/	/	/	/

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

22	III A	611214104003	ARUN .N	/	/	/	/	/	/	/	/	/	/	/
23	III A	611214104017	HEMAPRABHA. R	/	/	/	/	/	/	/	/	/	/	/
24	III A	611214104022	JANANI .R	/	/	/	/	/	/	/	/	/	/	/
25	III A	611214104025	KAVIPRIYA.A	/	/	/	/	/	/	/	/	/	/	/
26	III A	611214104027	KAVITHA.S	/	/	/	/	/	/	/	/	/	/	/
27	III A	611214104029	KEERTHANA PRIYA.M	/	/	/	/	/	/	/	/	/	/	/
28	III A	611214104031	KOWSALYA.S	/	/	/	/	/	/	/	/	/	a	/
29	III A	611214104034	MAARLIN.R	/	/	/	/	/	/	/	/	/	/	/
30	III A	611214104037	MATHI PRIYA J	/	/	/	/	/	/	/	/	/	/	/
31	III A	611214104039	MONIKA .R. K	/	/	/	/	/	/	/	/	/	/	/
32	III A	611214104042	NANDADEEBAN. C	/	/	/	/	/	/	/	/	/	/	/
33	III A	611214104047	NARMADHA.H	/	/	/	/	/	/	/	/	/	/	/
34	III A	611214104053	PREETHI.M	/	/	/	/	/	/	/	/	/	a	/
35	III A	611214104055	PRIYADHARSHINI.R	/	/	/	/	/	/	/	/	/	/	/
36	III A	611214104058	PUNITHA.K	/	/	/	/	/	/	/	/	/	/	/
37	III A	611214104064	REKHAA.R	/	/	/	/	/	/	/	/	/	/	/
38	III A	611214104069	SARAVANAN.K	/	/	/	/	/	/	/	/	/	/	/
39	III A	611214104070	SASIMADHUMITHA.B	a	/	/	/	/	/	/	/	/	/	/
40	III A	611214104073	SHANMUGAMA	/	/	/	/	/	/	/	/	/	/	/
41	III A	611214104075	SIVA JOTHI.V	/	/	/	/	/	/	/	/	/	/	/
42	III A	611214104077	SOUNDARYA.K	/	/	/	/	/	/	/	/	/	a	/
43	III A	611214104079	SOUNDRAVALLIM	/	/	/	/	/	/	/	/	/	/	/
44	III A	611214104094	VIMALA. E	/	/	/	/	/	/	/	/	/	/	/
45	III A	611214104303	GOVARTHANAN.V	/	/	/	/	/	/	/	/	/	/	/
46	III A	611214104308	SARAVANAN.R	/	/	/	/	/	/	/	/	/	/	/
No. of Students Present				44	46	46	46	46	45	46	46	46	46	45
No of Students Absent				02	—	—	—	—	01	—	—	01	02	01

Faculty Incharge

Principal,

Knowledge Institute of Technology,  
Kakapalayam (Po), Salem-637 502

HOD



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

02.01.2017 -13.01.2017 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	III B	611214104001	ANITHA. P	77
2	III B	611214104005	BRINDHA.Y	66
3	III B	611214104013	GOPIKRISHNAN.M	65
4	III B	611214104026	KAVIPRIYA .M	60
5	III B	611214104036	MADHUMITHA.R	61
6	III B	611214104050	PADMA PRIYA. G	76
7	III B	611214104051	PAVETHRA .E.	75
8	III B	611214104054	PRIYADARSHINI .M	60
9	III B	611214104061	RAGUL.A.S	88
10	III B	611214104062	RANJITHA R	63
11	III B	611214104067	SAKTHIVEL.V	80
12	III B	611214104072	SATHICK IBRAHIMS	88
13	III B	611214104082	SRI KUMARAN.V	81
14	III B	611214104083	SRI SOWMYA.M	72
15	III B	611214104084	SUBHANANTHAN E .R	71
16	III B	611214104085	SUMA. J	65
17	III B	611214104087	SURYA.S	76
18	III B	611214104088	SWATHY.D	88
19	III B	611214104091	USHARANI.T	70
20	III B	611214104301	DINESH. E	66
21	III A	611214104002	ARAVIND KUMAR.S	79
22	III A	611214104003	ARUN .N	77
23	III A	611214104017	HEMAPRABHA. R	79
24	III A	611214104022	JANANI .R	60
25	III A	611214104025	KAVIPRIYA.A	83
26	III A	611214104027	KAVITHA.S	76
27	III A	611214104029	KEERTHANA PRIYA.M	69
28	III A	611214104031	KOWSALYA.S	62
29	III A	611214104034	MAARLIN.R	60
30	III A	611214104037	MATHI PRIYA J	77

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

31	III A	611214104039	MONIKA .R. K	87
32	III A	611214104042	NANDADEEBAN. C	60
33	III A	611214104047	NARMADHA.H	74
34	III A	611214104053	PREETHI.M	79
35	III A	611214104055	PRIYADHARSHINI.R	88
36	III A	611214104058	PUNITHA.K	69
37	III A	611214104064	REKHAA.R	64
38	III A	611214104069	SARAVANAN.K	83
39	III A	611214104070	SASIMADHUMITHA.B	65
40	III A	611214104073	SHANMUGAM.A	80
41	III A	611214104075	SIVA JOTHI.V	71
42	III A	611214104077	SOUNDARYA.K	65
43	III A	611214104079	SOUNDRAVALLI.M	69
44	III A	611214104094	VIMALA. E	71
45	III A	611214104303	GOVARTHANAN.V	61
46	III A	611214104308	SARAVANAN.R	72

\*\*Max Marks - 100 | Min Marks - 60

*Selvanahli*  
Faculty Incharge

*W. Srinivas*  
HOD

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





# CERTIFICATE OF COMPLETION

This is to certify that **RAGUL.A.S**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Product Development and Programming using E-Box during 02.01.2017 -13.01.2017.



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

  
Mrs. Punitha Pradeep  
Founder & Director




# CERTIFICATE OF COMPLETION

This is to certify that **JANANI .R**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Product  
Development and Programming using E-Box** during **02.01.2017 -  
13.01.2017**.



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **PRIYADHARSHINI.R**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Product Development and Programming using E-Box during 02.01.2017 -13.01.2017.



*Pm*  
Principal,  
Knowledge Institute of Technology  
Kakopalayam (Po), Salem-637 51

*I.P. Pradeep*  
Mrs. Punitha Pradeep  
Founder & Director




# CERTIFICATE OF COMPLETION



This is to certify that **PAVETHRA .E.**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Product Development and Programming using E-Box** during **02.01.2017 -13.01.2017.**



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION



This is to certify that **GOVARTHANAN.V**, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on **Product Development and Programming using E-Box** during **02.01.2017 -13.01.2017**.



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

  
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. Madhumnitha.

Course Title: Product development and Programming using E-Box

Year/ Sem: III / IV

Dept : cse.

Date: 13/01/17

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:


Gain More programming knowledge.  
Get more industrial exposure.

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: A.S. Paul.

Course Title: Product development and Programming using E-Box

Year/ Sem: III / I / V

Dept : CSE

Date: 13.1.17.

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			✓		

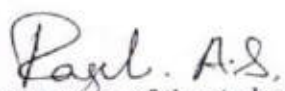
Positive points about the Lecture:

✓

Suggestions for improvement:

Need more practical hours.

  
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: Pavethra E

Course Title: Product development & programming using E-Box

Year/ Sem: III / IV

Dept : CSE

Date: 13.1.17

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 learn more difficult topics  
Gain knowledge about programming

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: BRINDHA. Y

Course Title: PRODUCT DEVELOPMENT AND PROGRAMMING USING E-BOX

Year/ Sem: IV / V

Dept : CSE

Date: 13/1/17


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 examples.

Suggestions for improvement:

—

  
Principal,  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 51

  
(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. Surya.

Course Title: PRODUCT DEVELOPMENT AND PROGRAMMING USING E-BOX.

Year/ Sem: III / V

Dept : CSE

Date: 13.01.2017

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:

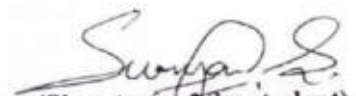
Had more experience.  
They taught with practical examples.

Suggestions for improvement:

need more materials.



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

  
(Signature of the student)





**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

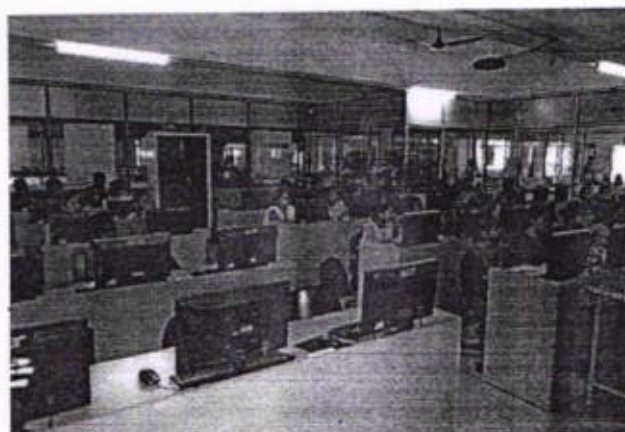
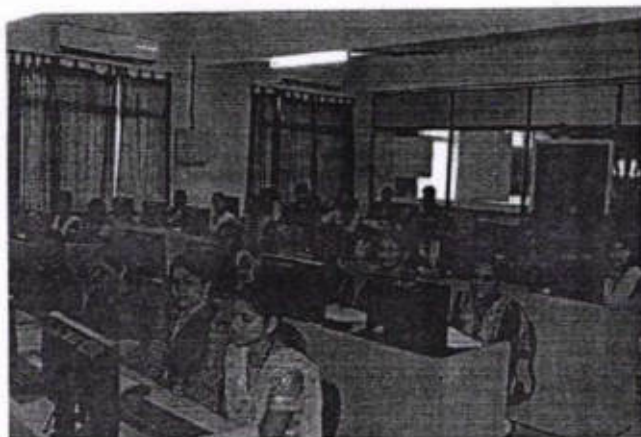
Department of Computer Science and Engineering

**REPORT OF THE EVENT**

<b>Date</b>	06.01.2017 - 13.01.2017	<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>43</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**

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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

  
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### **Collections and Generics Framework**

- Describe the general purpose implementations of the core interfaces in the Collections framework
- Examine the Map interface
- Examine the legacy collection classes
- Create natural and custom ordering by implementing the Comparable and Comparator interfaces
- Refactor existing non-generic code

### **I/O Fundamentals**

- Write a program that uses command-line arguments and system properties
- Examine the Properties class
- Construct node and processing streams, and use them appropriately
- Serialize and deserialize objects
- Distinguish readers and writers from streams, and select appropriately between them

### **Console I/O and File I/O**

- Read data from the console
- Write data to the console
- Describe files and file I/O

### **Building Java GUIs Using the Swing API**

- Describe the JFC Swing technology
- Identify the Swing packages
- Describe the GUI building blocks: containers, components, and layout managers
- Examine components
- Examine layout managers
- Describe the Swing single-threaded model
- Build a GUI using Swing components

### **Handling GUI-Generated Events**

- Define events and event handling
- Examine the Java SE event model
- Describe GUI behavior
- Determine the user action that originated an event
- Develop event listeners
- Describe concurrency in Swing-based GUIs and describe the features of the SwingWorker class

### **GUI-Based Applications**

- Describe how to construct a menu bar, menu, and menu items in a Java GUI
- Understand how to change the color and font of a component

### **Threads**

- Define a thread
- Create separate threads in a Java technology program, controlling the code and data that are used by that thread
- Describe the difficulties that might arise when multiple threads share data
- Use synchronized to protect data from corruption

*Pm*

20.12.2016

Salem

From

Prof.A.Sekar,  
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 06.01.2017 -13.01.2017 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 06.01.2017 -13.01.2017 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

*Sekar*  
20.12.16

PRINCIPAL

*A. Sekar*  
20/12/16  
HOD/CSE

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





# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2016/CC/EVEN/04	Date	26.12.2016
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 - 06.01.2017 -13.01.2017 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. A.Sekar, Assistant Professor/CSE

*A.Sekar*  
26/12/16  
**FACULTY INCHARGE**

*[Signature]*  
**HOD/CSE**

*[Signature]*  
**PRINCIPAL**

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

*[Signature]*  
**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

06.01.2017 -13.01.2017

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	II A	611215104002	ABINOV KAASHYAP.T.R
2	II A	611215104018	GANGA SREE.K.M
3	II A	611215104022	GOKUL.D
4	II A	611215104027	HARINIS
5	II A	611215104039	KISHORE KUMAR.K
6	II A	611215104044	LOGANATHAN.M
7	II A	611215104050	MONIKA.G
8	II A	611215104054	NANDHINIS
9	II A	611215104063	PRATHEEBA.D
10	II A	611215104070	RAMYA. K.S
11	II A	611215104078	SALMAN.A
12	II A	611215104080	SANDYA.S
13	II A	611215104085	SHAJEL ROSHNI.A
14	II A	611215104095	SRUTHI.K
15	II A	611215104096	SUNILKUMAR. N
16	II A	611215104097	SUNMATHI.V
17	II A	611215104104	VIMALAN.M
18	II B	611215104001	ABINAYA.S
19	II B	611215104011	DEEPAN NAGARAJAN.B
20	II B	611215104013	DIVVYA DEVI.M
21	II B	611215104017	FOUZIYA ISRATH.S
22	II B	611215104020	GAYATHRI.S
23	II B	611215104034	KARTHICK.K
24	II B	611215104040	KOUSHIKAA.P
25	II B	611215104041	KOWSALYA.D
26	II B	611215104048	MOHAMED SHAGUL HAMEED.M
27	II B	611215104051	MOUNICKA.M

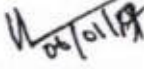
*Pm*

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



28	II B	611215104055	NEVIL ANDRO.R
29	II B	611215104057	PADMAKUMAR.K.N.
30	II B	611215104064	PRAVEEN KUMAR.B
31	II B	611215104066	PREETHI.S
32	II B	611215104069	RAGHURAM.M
33	II B	611215104075	REVANTH.N
34	II B	611215104076	REVATHI.B
35	II B	611215104077	SAI RAMYA.K
36	II B	611215104081	SARAN.M
37	II B	611215104084	SATHIYAMOORTHY.M
38	II B	611215104088	SOWMIYA.J
39	II B	611215104092	SREE SANKARI.P.S
40	II B	611215104099	THAMANIPRIYA.C
41	II B	611215104101	VARSSINI.K
42	II B	611215104102	VEDA MEENA.D
43	II B	611215104106	VISHNULAL.M

  
Faculty Incharge

  
HOD

  
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

### SYLLABUS & SCHEDULE

Day	Session	Contents
DAY 1	FN	Object-Oriented Programming, abstraction, encapsulation, and packages, class, member, attribute, method, constructor, and package, API
	AN	Identifiers, Keywords, and Types, valid and invalid identifiers, eight primitive types, literal values for numeric and textual types, default initialization, reference variable
DAY 2	FN	Expressions and Flow Control, instance and local variables, variables, Java software operators, legal and illegal assignments of primitive types,
	AN	boolean expressions, if, switch, for, while, and do , Arrays, arrays of primitive, class, or array types, multidimensional array,
DAY 3	FN	Class Design, inheritance, polymorphism, overloading, overriding, and virtual method invocation, method overloading,
	AN	Advanced Class Features, static variables, methods, and initializers, final classes, methods, and variables, abstract classes and methods
DAY 4	FN	Exceptions and Assertions, Collections and Generics Framework, Collections framework, Map interface, legacy collection classes
	AN	Console I/ O and File I/O, Read data from the console data to the console, files and file I/O
DAY 5	FN	Building Java GUIs Using the Swing API, the JFC Swing technology the Swing packages
	AN	Handling GUI-Generated Events, events and event handling, GUI behavior, event listeners, concurrency, GUI-Based Applications
DAY 6	FN	construct a menu bar, menu, and menu items in a Java GUI, Understand change the color and font of a component, Threads

*Selva*  
20.12.16  
Course Coordinator

*V*  
20/12/16  
HOD

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



KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

06.01.2017 -13.01.2017 | Course Attendance

Sl.No	Year	Register Number	Student Name	6.1.17	7.1.17	10.1.17	11.1.17	12.1.17	13.1.17
1	II A	611215104002	ABINOV KAASHYAP.T.R	/	/	/	/	/	/
2	II A	611215104018	GANGA SREE.K.M	/	/	/	/	/	/
3	II A	611215104022	GOKUL.D	/	/	/	/	/	/
4	II A	611215104027	HARINIS	/	/	/	/	/	/
5	II A	611215104039	KISHORE KUMAR.K	/	/	/	/	/	/
6	II A	611215104044	LOGANATHAN.M	/	/	/	/	/	/
7	II A	611215104050	MONIKA.G	/	/	/	/	/	/
8	II A	611215104054	NANDHINIS	/	/	/	/	/	/
9	II A	611215104063	PRATHEEBA.D	/	/	/	/	/	/
10	II A	611215104070	RAMYA. K.S	/	/	/	/	/	/
11	II A	611215104078	SALMAN.A	/	/	/	/	/	/
12	II A	611215104080	SANDYA.S	/	/	/	/	/	/
13	II A	611215104085	SHAJEL ROSHNI.A	/	/	/	/	/	/
14	II A	611215104095	SRUTHI.K	/	/	/	/	/	/
15	II A	611215104096	SUNILKUMAR. N	/	/	/	/	/	/
16	II A	611215104097	SUNMATHI.V	/	/	/	/	/	/
17	II A	611215104104	VIMALAN.M	/	/	/	/	/	/
18	II B	611215104001	ABINAYA.S	/	/	/	/	/	/
19	II B	611215104011	DEEPAN NAGARAJAN.B	/	/	/	/	/	/
20	II B	611215104013	DIVVYA DEVI.M	/	/	/	/	/	/
21	II B	611215104017	FOUZIYA ISRATH.S	/	/	/	/	/	/
22	II B	611215104020	GAYATHRI.S	/	/	/	/	/	/
23	II B	611215104034	KARTHICK.K	/	/	/	/	/	/
24	II B	611215104040	KOUSHIKAA.P	/	/	/	/	/	/
25	II B	611215104041	KOWSALYA.D	/	/	/	/	/	/
26	II B	611215104048	MOHAMED SHAGUL HAMEED.M	/	/	/	/	/	/
27	II B	611215104051	MOUNICKA.M	/	/	/	/	/	/
28	II B	611215104055	NEVIL ANDRO.R	/	/	/	/	/	/
29	II B	611215104057	PADMAKUMAR.K.N.	/	/	/	/	/	/
30	II B	611215104064	PRAVEEN KUMAR.B	/	/	/	/	/	/
31	II B	611215104066	PREETHI.S	/	/	/	/	/	/
32	II B	611215104069	RAGHURAM.M	/	/	/	/	/	/
33	II B	611215104075	REVANTH.N	/	/	/	/	/	/



34	II B	611215104076	REVATHI.B	1	1	1	1	1	1
35	II B	611215104077	SAI RAMYA.K	1	1	1	1	1	1
36	II B	611215104081	SARAN.M	1	1	1	1	1	1
37	II B	611215104084	SATHIYAMOORTHY.M	1	1	1	1	1	1
38	II B	611215104088	SOWMIYA.J	1	1	1	1	1	1
39	II B	611215104092	SREE SANKAR.P.S	1	1	1	1	1	1
40	II B	611215104099	THAMANIPRIYA.C	1	1	1	1	1	1
41	II B	611215104101	VARSSINI.K	1	1	1	1	1	1
42	II B	611215104102	VEDA MEENA.D	1	1	1	1	1	1
43	II B	611215104106	VISHNULAL.M	1	1	1	1	1	1
No. of Students Present				12	13	13	12	13	13
No of Students Absent				01	—	—	—	—	—

*Selvan*  
13.1.17  
Faculty Incharge

*[Signature]*  
HOD

*[Signature]*  
Principal,  
Knowledge Institute of Technology  
Kakapalayam (Po), Salem-637 501



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

06.01.2017 -13.01.2017 | Assessment Report

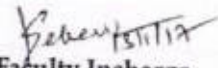
Sl.No	Year	Register Number	Student Name	Final Assessment %
1	II A	611215104002	ABINOV KAASHYAP.T.R	63
2	II A	611215104018	GANGA SREE.K.M	63
3	II A	611215104022	GOKUL.D	73
4	II A	611215104027	HARINIS	81
5	II A	611215104039	KISHORE KUMAR.K	72
6	II A	611215104044	LOGANATHAN.M	70
7	II A	611215104050	MONIKA.G	67
8	II A	611215104054	NANDHINIS	73
9	II A	611215104063	PRATHEEBA.D	78
10	II A	611215104070	RAMYA. K.S	68
11	II A	611215104078	SALMAN.A	65
12	II A	611215104080	SANDYA.S	63
13	II A	611215104085	SHAJEL ROSHNI.A	69
14	II A	611215104095	SRUTHIK	83
15	II A	611215104096	SUNILKUMAR. N	83
16	II A	611215104097	SUNMATHIV	78
17	II A	611215104104	VIMALAN.M	75
18	II B	611215104001	ABINAYAS	87
19	II B	611215104011	DEEPAN NAGARAJAN.B	82
20	II B	611215104013	DIVVYA DEVI.M	82
21	II B	611215104017	FOUZIYA ISRATH.S	77
22	II B	611215104020	GAYATHRIS	72
23	II B	611215104034	KARTHICK.K	79
24	II B	611215104040	KOUSHIKAA.P	65
25	II B	611215104041	KOWSALYA.D	79
26	II B	611215104048	MOHAMED SHAGUL HAMEED.M	64
27	II B	611215104051	MOUNICKA.M	68
28	II B	611215104055	NEVIL ANDRO.R	67
29	II B	611215104057	PADMAKUMAR.K.N.	62
30	II B	611215104064	PRAVEEN KUMAR.B	87
31	II B	611215104066	PREETHIS	67
32	II B	611215104069	RAGHURAM.M	61
33	II B	611215104075	REVANTH.N	67

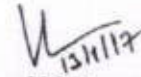
  
Principal,


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

34	II B	611215104076	REVATHI.B	74
35	II B	611215104077	SAI RAMYA.K	85
36	II B	611215104081	SARAN.M	61
37	II B	611215104084	SATHIYAMOORTHY.M	68
38	II B	611215104088	SOWMIYA.J	78
39	II B	611215104092	SREE SANKARI.P.S	62
40	II B	611215104099	THAMANIPRIYA.C	85
41	II B	611215104101	VARSSINI.K	68
42	II B	611215104102	VEDA MEENA.D	77
43	II B	611215104106	VISHNULAL.M	62

\*\*Max Marks - 100 | Min Marks - 60

  
Faculty Incharge

  
HOD

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



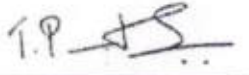


# CERTIFICATE OF COMPLETION

This is to certify that **KISHORE KUMAR.K**, Knowledge Institute of  
Technology, Salem , has successfully completed the certificate course on  
Design and System Programming using E-Box during **06.01.2017 -**  
**13.01.2017.**



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

  
Mrs. Punitha Pradeep  
Founder & Director




# CERTIFICATE OF COMPLETION

This is to certify that **SANDYA.S**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Design and  
System Programming using E-Box** during **06.01.2017 -13.01.2017**.



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

  
Mrs. Punitha Pradeep  
Founder & Director






# CERTIFICATE OF COMPLETION

This is to certify that **SRUTHI.K**, Knowledge Institute of Technology,  
**Salem** , has successfully completed the certificate course on **Design and  
System Programming using E-Box** during **06.01.2017 -13.01.2017**.



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

  
Mrs. Punitha Pradeep  
Founder & Director



# CERTIFICATE OF COMPLETION

This is to certify that **KARTHICK.K**, Knowledge Institute of Technology, Salem , has sucessfully completed the certificate course on Design and System Programming using E-Box during **06.01.2017 - 13.01.2017**.



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

  
Mrs. Punitha Pradeep  
Founder & Director





# CERTIFICATE OF COMPLETION

This is to certify that **FOUZIYA ISRATH.S**, Knowledge Institute of  
Technology, Salem , has sucessfully completed the certificate course on  
Design and System Programming using E-Box during 06.01.2017 -  
13.01.2017.



  
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: S. Harini

Course Title: Design and System Programming using E-Box.

Year/ Sem: II IV

Dept : CSE

Date: 13.1.17.

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 experience gained by the trainer

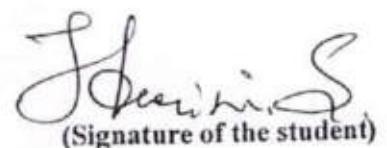
Suggestions for improvement:

Need more practical hours.



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: S. PREETHA.

Course Title: DESIGN AND SYSTEM PROGRAMMING USWC  
E-BOX

Year/ Sem: II III

Dept : CSE

Date: 13.1.17.

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

Suggestions for improvement:

Need more examples.

  
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: Manikaa.P.

Course Title: DESIGN AND SYSTEM PROGRAMMING USING E-Box.

Year/Sem: 2/3<sup>rd</sup>.

Dept : CSE

Date: 12/01/17

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:

—

PM ✓

Principal,

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

Manikaa.P.  
(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. Parathi.

Course Title: Design and System programming using EBC

Year/ Sem: 2/3

Dept : CSE

Date: 12.01.2017

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course Delivery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Practical Experience	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional resources available	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall rating about lecture and Training	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Positive points about the Lecture:

Execution of More query,  
Explained more topics with example.

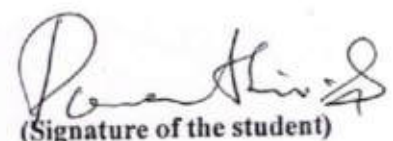
Suggestions for improvement:

—



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: *Kowsalya D.*

Course Title: *Design and System programming using E-Box*

Year/ Sem: *II / III*

Dept : *CSE*

Date: *13/1/17.*

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		<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:

*Explained clearly with many instances & useful training to learn easy way.*

Suggestions for improvement:

*—*

*Pm*  
Principal,

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

*Kowsalya D.*  
(Signature of the student)





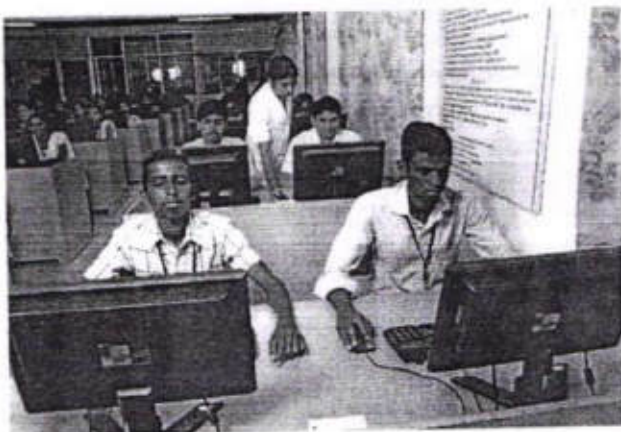
16-11  
**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504**

Department of Computer Science and Engineering


**REPORT OF THE EVENT**

<b>Date</b>	16.08.2016 - 26.08.2016	<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>	25

- 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**

  
Principal,  
Knowledge Institute of Technology,  
Kakapalayam (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



26.06.2015

Salem

From

Prof.A.Sekar,  
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 16.08.2016 - 26.08.2016 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 16.08.2016 - 26.08.2016 & 9.00am - 5.00pm	<b>Prof.C.Vanitha,</b> Assistant Professor, Department of Computer Science and Engineering

Thank you,

Yours truly,

*Sekar*  
26.6.15.

*[Signature]*  
26.6.15  
HOD/CSE

*[Signature]*  
PRINCIPAL

*[Signature]*  
Principal,  
Knowledge Institute of Technology,  
Kakanalavam (Po), Salem-637 504



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

SALEM - 637 504

## Department of Computer Science and Engineering

Circular No.	2016/CC/ODD/03	Date	08.08.2016
To	All IV year Students		
Name of the subject	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 16.08.2016 -26.08.2016 & 9.00am - 5.00pm	<b>Prof.C.Vanitha,</b> Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. A.Sekar, Assistant Professor/CSE

*A.Sekar*  
08/08/16  
**FACULTY INCHARGE**

*[Signature]*  
08/08/16  
**HOD/CSE**

*[Signature]*  
**PRINCIPAL**

MECH	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	AO	Transport I/C	Hostel NB	Residential Warden	College NB	Office/ File	Class Circulation
*	*	*	*	*	*		*			*		*	*	*

*[Signature]*  
**Principal,**  
Knowledge Institute of Technology  
Kakapalavam (Po), Salem-637 504



KNOWLEDGE INSITITE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

16.08.2016 - 26.08.2016

Enrolled Student NameList

Sl.No	Year	Register Number	Student Name
1	IV A	611213104001	ABHINAYA HARINI NM
2	IV A	611213104006	ARUNA M
3	IV A	611213104007	BALAJI B
4	IV B	611213104015	GOKILA R
5	IV A	611213104034	KEERTHANA R
6	IV B	611213104039	MANJUNATH G R
7	IV B	611213104043	MOHANAPRIYA V
8	IV B	611213104045	MOWNAPRIYA D
9	IV B	611213104046	NAGAPRIYA N
10	IV B	611213104047	NANDHINI T
11	IV B	611213104050	NIRANJANA S
12	IV A	611213104055	PRAKALYA M
13	IV A	611213104057	RAJALAKSHMI N
14	IV B	611213104058	RAMANESWARI A
15	IV A	611213104059	RAMYA S
16	IV A	611213104063	SAI DHARSAN P
17	IV A	611213104068	SANTHIYA V
18	IV A	611213104072	SHANMUGA PRIYAA S
19	IV B	611213104074	SHYAM SUNDAR V
20	IV A	611213104078	SUDHARSAN D R
21	IV A	611213104081	SWATHI SRI M
22	IV A	611213104083	VAISHALI T D
23	IV B	611213104088	VETHA VARSHA S
24	IV A	611213104092	VIJAYAKUMAR M
25	IV B	611213104501	ARUN E

*Selvaraj*  
Faculty Incharge

*V*  
16/08/16  
HOD

*Pm*  
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

  
26.6.15  
Course Coordinator

  
26.6.15  
HOD

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



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

16.08.2016 - 26.08.2016 | Course Attendance

Sl.No	Year	Register Number	Student Name	16.8.16	17.8.16	18.8.16	19.8.16	20.8.16	22.8.16	23.8.16	24.8.16	25.8.16	26.8.16
1	IV A	611213104001	ABHINAYA HARINI NM	/	/	/	/	/	/	/	/	/	/
2	IV A	611213104006	ARUNA M	/	/	/	/	/	/	/	/	/	/
3	IV A	611213104007	BALAJI B	/	/	/	/	9	/	/	/	/	/
4	IV B	611213104015	GOKILA R	/	/	/	/	/	/	/	/	/	/
5	IV A	611213104034	KEERTHANA R	/	/	/	/	/	/	/	/	/	/
6	IV B	611213104039	MANJUNATH G R	/	/	/	/	/	/	/	/	/	/
7	IV B	611213104043	MOHANAPRIYA V	/	/	/	/	/	/	/	/	/	/
8	IV B	611213104045	MOWNAPRIYA D	/	/	/	/	/	/	/	/	/	/
9	IV B	611213104046	NAGAPRIYA N	/	/	/	/	/	/	/	/	/	/
10	IV B	611213104047	NANDHINI T	/	/	/	/	/	/	/	/	/	/
11	IV B	611213104050	NIRANJANA S	/	/	/	/	/	/	/	/	/	/
12	IV A	611213104055	PRAKALYA M	/	/	/	/	/	/	/	/	/	/
13	IV A	611213104057	RAJALAKSHMI N	/	/	/	/	/	/	/	/	/	/
14	IV B	611213104058	RAMANESWARI A	/	/	/	/	/	/	/	/	/	/
15	IV A	611213104059	RAMYA S	/	/	/	/	/	/	/	/	/	/
16	IV A	611213104063	SAI DHARSAN P	/	/	/	/	/	/	/	/	/	/
17	IV A	611213104068	SANTHIYA V	/	/	/	/	/	/	/	/	/	/
18	IV A	611213104072	SHANMUGA PRIYAA S	/	/	/	/	/	/	/	/	/	/
19	IV B	611213104074	SHYAM SUNDAR V	/	/	/	/	/	/	/	/	/	/
20	IV A	611213104078	SUDHARSAN D R	/	/	/	/	/	/	/	/	/	/
21	IV A	611213104081	SWATHI SRI M	/	/	/	/	/	/	/	/	/	/
22	IV A	611213104083	VAISHALI T D	/	/	/	/	/	/	/	/	/	/
23	IV B	611213104088	VETHA VARSHA S	/	/	/	/	/	/	/	/	/	/
24	IV A	611213104092	VIJAYAKUMAR M	/	/	/	/	/	/	/	/	/	/
25	IV B	611213104501	ARUN E	/	/	/	/	/	/	/	/	/	/
No. of Students Present				25	25	25	25	24	25	25	25	25	25
No of Students Absent				-	-	-	-	01	-	-	-	-	-

Selva  
26.08.16  
Faculty Incharge

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

U  
26.08.16  
HOD

KNOWLEDGE INSTITUTE OF TECHNOLOGY,SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

01.09.2016 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	IV A	611213104001	ABHINAYA HARINI NM	80
2	IV A	611213104006	ARUNA M	65
3	IV A	611213104007	BALAJI B	74
4	IV B	611213104015	GOKILA R	66
5	IV A	611213104034	KEERTHANA R	68
6	IV B	611213104039	MANJUNATH G R	57
7	IV B	611213104043	MOHANAPRIYA V	87
8	IV B	611213104045	MOWNAPRIYA D	72
9	IV B	611213104046	NAGAPRIYA N	53
10	IV B	611213104047	NANDHINI T	78
11	IV B	611213104050	NIRANJANA S	69
12	IV A	611213104055	PRAKALYA M	71
13	IV A	611213104057	RAJALAKSHMI N	57
14	IV B	611213104058	RAMANESWARI A	69
15	IV A	611213104059	RAMYA S	81
16	IV A	611213104063	SAI DHARSAN P	74
17	IV A	611213104068	SANTHIYA V	57
18	IV A	611213104072	SHANMUGA PRIYAA S	60
19	IV B	611213104074	SHYAM SUNDAR V	83
20	IV A	611213104078	SUDHARSAN D R	65
21	IV A	611213104081	SWATHI SRI M	71
22	IV A	611213104083	VAISHALI T D	83
23	IV B	611213104088	VETHA VARSHA S	58
24	IV A	611213104092	VIJAYAKUMAR M	61
25	IV B	611213104501	ARUN E	53

\*\*Max Marks - 100 | Min Marks - 50

*Faculty Incharge*  
Faculty Incharge

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

*HOD*  
HOD



**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

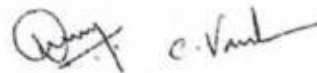
**ABINAYA P**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

01-Sep-16



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Oracle Academy Instructor



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

**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

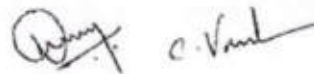
**ARUNA M**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

01-Sep-16



---

Oracle Academy Instructor



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



**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

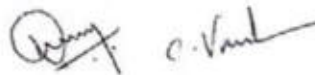
**BALAJI B**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

01-Sep-16



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Oracle Academy Instructor



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

**ORACLE** ACADEMY

# AWARD *of* ACHIEVEMENT

PRESENTED TO

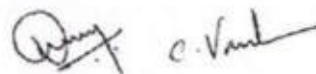
**GOKILA R**

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

**Database Design and Programming with SQL**

FINAL EXAM

01-Sep-16



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Oracle Academy Instructor



Principal,  
Knowledge Institute of Technology,  
Kakaoalavam (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: Ranga.S.

Course Title: ORACLE iLearning.

Year/ Sem: Database Design and Programming with dat using Oracle iLearning.

Dept : CSE

Date: 26.8.16.

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:

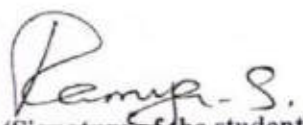
Good Experience.

Suggestions for improvement:

Give more examples to solve.



Principal,  
Knowledge Institute of Technology  
Kakaalavam (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: *Arun B.*

Course Title: *Oracle i Learning*

Year/ Sem: *IV / VII*

Dept : *CSE*

Date: *28.8.16.*

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:

*easy to learn the concepts  
Good experience*

Suggestions for improvement:

*—*

*Pm*

Principal,

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

*Arun B.*  
(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: Keerthana.R.

Course Title: ORACLE iLearning.

Year/ Sem: 10/7

Dept : CSE

Date: 26.08.16

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 good for understanding the concepts.

Suggestions for improvement:

Need more 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: T. Nandhini

Course Title: Database Design and Programming with SQL using Oracle i learning.

Year/ Sem: 4<sup>th</sup>/7<sup>th</sup>.

Dept : CSE

Date: 26.8.16.

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 examples, Communications are Very good.

Suggestions for improvement:

Need more interaction.

PM

Principal,

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

Nandhini T.

(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: Vetha Varsha.S.

Course Title: Oracle i Learning.

Year/ Sem: V/7

Dept : CSE

Date: 26.8.16.

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:

Examples & Explanation are good.  
Easy to Learn.

Suggestions for improvement:

—

Principal,

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

Vetha Varsha.S.  
(Signature of the student)

2016-17-CC-1  
112-201617-CE-01

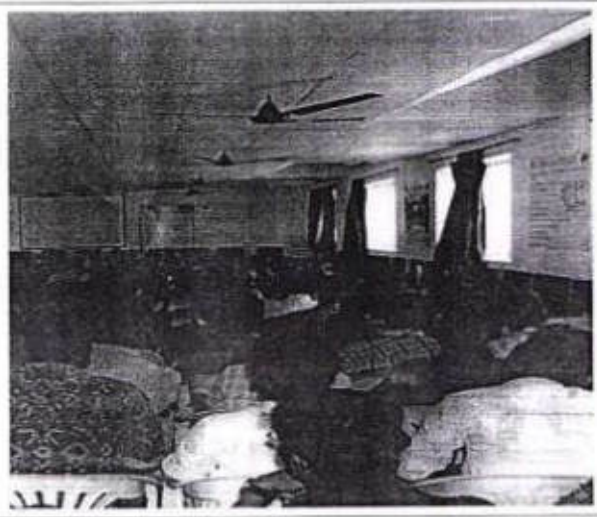


**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-  
637504  
DEPARTMENT OF CIVIL ENGINEERING**

**REPORT OF THE EVENT**

<b>Date</b>	: 04.07.16 to 14.07.16	<b>Resource person</b>	: <b>Mr. Uma Shankar,</b> Assistant Professor, Dept of Civil Engg., KIOT.
<b>Time</b>	: 10.00 a.m to 2.00 p.m	<b>Title</b>	: <b>"Architectural Design of buildings using Revit Architecture"</b>
<b>Venue</b>	: CC10, D-Block, KIOT.	<b>No. of Participants</b>	: <b>40</b>

1. The veteran trainer shared his long term experiences in the Construction field and explained the difficulties he had faced in his Industrial Career. This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.
2. The number of students participated were 40 in number with great interest.
3. His training gave a clear cut picture of how students can improve the employability skills of our students.
4. He explained about the Revit Architecture tools and features that can enhance productivity such as Physical Materials for Building Performance Analysis, Autodesk 360 Integration, Work-sharing, Construction Modeling, Bidirectional Associativity and Parametric Components



Encl: Circular / Brochure / Attendance Sheet

*Pm*  
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Kakapattavam (PO) Salem - 637 504



**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504**

**CIRCULAR**

<b>Circular No.</b>	CIVIL/CC/2016-17/01	<b>Date</b>	01.07.2016
<b>To</b>	All HODs, Faculty members & Students		
<b>Subject</b>	Certification Course on <b>Architectural Design of buildings using Revit Architecture</b> -reg.		

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.

**Program Details**

<b>Date</b>	<b>Session</b>	<b>Venue</b>	<b>Topic</b>	<b>Resource Person</b>
04.07.16 to 14.07.16	FN (10.00 am to 02.00 pm)	CC10	Certification Course on "Architectural Design of buildings using Revit Architecture"	<b>Mr. Uma Shankar,</b> Assistant Professor, Dept of Civil Engg. KIOT.

**Co-ordinators :** 1. Mrs.J.Vidhya Nandhini - 8508609672

*J. Vidhya Nandhini*

**Course co-ordinator**

*P. M. Shankar*

**HOD/Civil**

*P. M.*

**PRINCIPAL**

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	PAT	AO	Transport UC	Hostel NB	Director / Training	Director / Placement	Residential Warden	College NB	Office / File	Class Circulation
*	*	*	*	*	*	*		*			*	*	*		*	*	*

*P. M.*

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Kakapalavam (PO) Salem - 637 504

# Certificate Course

ON

## Architectural Design of buildings using Revit

### Architecture

04.07.2016 to 14.07.2016



*Wisdom and Knowledge*

Organized by

Department of Civil Engineering

## KNOWLEDGE

### INSTITUTE OF TECHNOLOGY

KIOT campus, Kakapalayam (PO), Salem-637 504,

Tamil Nadu, India.

[www.kiot.ac.in](http://www.kiot.ac.in)



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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. 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 (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:

Mrs.J.Vidhya Nandhini/AP/Civil,

M: 85086 09672,

Mail:[jvncivil@kiot.ac.in](mailto:jvncivil@kiot.ac.in)



From

06/06/2016, Salem

J.Vidhya Nandhini,  
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.**

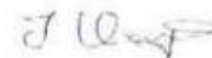
We have planned to conduct certification course on “**ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**” from 04.07.2016 to 14.07.2016 for a period of 10 days with the duration of 40 hours. It will be helpful for our II Year Civil Engineering students through which they can enrich their knowledge 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	<b>ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE</b>
Company/ Resource Person	<b>Mr. K.UmaShankar,</b> Assistant professor/CIVIL, Knowledge Institute of Technology
Total Number of Students Registered	<b>40 Nos.</b>

Thank you sir

Yours truly,



(J.Vidhya Nandhini)

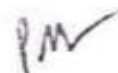


HOD/CIVIL



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Akopalavam (PO) Salem - 637 504



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**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 2016-17

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	Architectural Design of Buildings using Revit Architecture	04-07-2016	14-07-2016	40
2	611215103002	ABILASH P				
3	611215103003	AKILA R				
4	611215103006	ARAVIND KUMAR T				
5	611215103008	ARULMURUGAN L				
6	611215103010	DANUSHPRABHU S				
7	611215103012	DHAARIENIE MR				
8	611215103013	DHANUSH KUMAR S				
9	611215103015	DIVYAA M				
10	611215103016	GANESH SHANKAR R				
11	611215103017	GAYATHRI S				
12	611215103020	HEMALATHA P				
13	611215103021	HEMAVARTHINI M V				
14	611215103024	KARTHIKA R				
15	611215103025	KAVIYA M P				
16	611215103026	KEERTHANA M				
17	611215103027	MAHILESH A				
18	611215103030	MOHANKUMAR A				
19	611215103032	NANDHINI J K				



S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
20	611215103034	NEYA S	Architectural Design of Buildings using Revit Architecture	04-07-2016	14-07-2016	40
21	611215103035	OBULIEVIGNESH S				
22	611215103036	OBULIVIGNESH V				
23	611215103038	RAMAKRISHNAN S				
24	611215103040	SAKTHIVEL S				
25	611215103042	SANTHOSH KUMAR V				
26	611215103043	SARAVANAN R				
27	611215103045	SHAHINA THASLIM M				
28	611215103046	SHRINATH A				
29	611215103050	TAMILSELVAN M R				
30	611215103052	UDHA YAPRIYA A				
31	611215103053	VIGNESH P				
32	611215103301	ARUN PRASATH S				
33	611215103302	ASWIN P				
34	611215103303	GIRINATH S				
35	611215103308	PERUMAL K				
36	611215103309	RAVIVARMA M				
37	611215103310	REVGIRI D				
38	611215103311	SATHISH KUMAR S				
39	611215103313	SOWMYA M				
40	611215103701	YUGAPPRIYADHARSHINI R				

*[Signature]*

COURSE CO-ORDINATOR

*[Signature]*

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

*[Signature]*  
HOD/CIVIL

16-17

**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**Course on Architectural Design of Buildings using Revit Architecture**  
**ATTENDANCE REPORT**

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 Knowledge Institute of Technology  
 Akapalavam (PO) Salem - 637 500

S.No	Register No	Name of the student	04.07.16	05.07.16	06.07.16	07.07.16	08.07.16	09.07.16	10.07.16	11.07.16	12.07.16	13.07.16	14.07.16
1	611215103001	ABDULRAHMAN N	/	/	/	/	/	/	/	/	/	/	/
2	611215103002	ABILASH P	/	/	/	/	/	/	/	/	/	/	/
3	611215103003	AKILAR	/	/	/	/	/	/	/	/	/	/	/
4	611215103006	ARAVIND KUMAR T	/	/	/	/	/	/	/	/	/	/	/
5	611215103008	ARULMURUGAN L	/	/	/	/	/	/	/	/	/	/	/
6	611215103010	DANUSHPRABHU S	/	/	/	/	/	/	/	/	/	/	/
7	611215103012	DHAARJENIE M R	/	/	/	/	/	/	/	/	/	/	/
8	611215103013	DHANUSH KUMAR S	/	/	/	/	/	/	/	/	/	/	/
9	611215103015	DIVYAA M	/	/	/	/	/	/	/	/	/	/	/
10	611215103016	GANESH SHANKAR R	/	/	/	/	/	/	/	/	/	/	/
11	611215103017	GAYATHRI S	/	/	/	/	/	/	/	/	/	/	/
12	611215103020	HEMALATHA P	/	/	/	/	/	/	/	/	/	/	/
13	611215103021	HEMAYARTHINI M V	/	/	/	/	/	/	/	/	/	/	/
14	611215103024	KARTHIKA R	/	/	/	/	/	/	/	/	/	/	/
15	611215103025	KAVIYA M P	/	/	/	/	/	/	/	/	/	/	/
16	611215103026	KEERTHANA M	/	/	/	/	/	/	/	/	/	/	/
17	611215103027	MAHILESH A	/	/	/	/	/	/	/	/	/	/	/
18	611215103030	MOHANKUMAR A	/	/	/	/	/	/	/	/	/	/	/
19	611215103032	NANDHINI J K	/	/	/	/	/	/	/	/	/	/	/
20	611215103034	NEYA S	/	/	/	/	/	/	/	/	/	/	/
21	611215103035	OBULIEVIGNESH S	/	/	/	/	/	/	/	/	/	/	/
22	611215103036	OBULIVIGNESH V	/	/	/	/	/	/	/	/	/	/	/
23	611215103038	RAMAKRISHNAN S	/	/	/	/	/	/	/	/	/	/	/
24	611215103040	SAKTHIVEL S	/	/	/	/	/	/	/	/	/	/	/
25	611215103042	SANTHOSH KUMAR V	/	/	/	/	/	/	/	/	/	/	/
26	611215103043	SARAVANAN R	/	/	/	/	/	/	/	/	/	/	/
27	611215103045	SHAHINA THASLIM M	/	/	/	/	/	/	/	/	/	/	/
28	611215103046	SHRINATH A	/	/	/	/	/	/	/	/	/	/	/
29	611215103050	TAMILSELVAN M R	/	/	/	/	/	/	/	/	/	/	/
30	611215103052	UDHAYAPRIYA A	/	/	/	/	/	/	/	/	/	/	/
31	611215103053	VIGNESH P	/	/	/	/	/	/	/	/	/	/	/
32	611215103301	ARUN PRASATH S	/	/	/	/	/	/	/	/	/	/	/
33	611215103302	ASWIN P	/	/	/	/	/	/	/	/	/	/	/
34	611215103303	GIRINATH S	/	/	/	/	/	/	/	/	/	/	/
35	611215103308	PERUMAL K	/	/	/	/	/	/	/	/	/	/	/
36	611215103309	RAVIVARMA M	/	/	/	/	/	/	/	/	/	/	/
37	611215103310	REVGIRID	/	/	/	/	/	/	/	/	/	/	/
38	611215103311	SATHISH KUMAR S	/	/	/	/	/	/	/	/	/	/	/
39	611215103313	SOWMYA M	/	/	/	/	/	/	/	/	/	/	/
40	611215103701	YUGAPRIYADHARSHINI R	/	/	/	/	/	/	/	/	/	/	/
		<b>No. of students present</b>	37	39	40	37	40	38	40	38	40	38	38
		<b>No. of students absent</b>	03	01	—	03	—	02	—	02	—	02	02

P.M.S.V



**KNOWLEDGE INSTITUTE OF TECHNOLOGY****Department of Civil Engineering****Course Plan**

Name of the Course	<b>Architectural Design of Building using Revit Architecture</b>	Semester	03
Level-I Module	08	Number of Hours	40 hours
<b>EXECUTION SCHEDULE</b>			
Module No.	Name of the Module LEVEL I	No. of Hours	
1	Introduction to <b>Revit Architecture</b> -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 **Revit Architecture**

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



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**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

*Pm*

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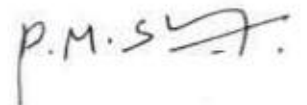
**Detailed Execution Plan**


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

  
FACULTY I/c

  
HOD CIVIL

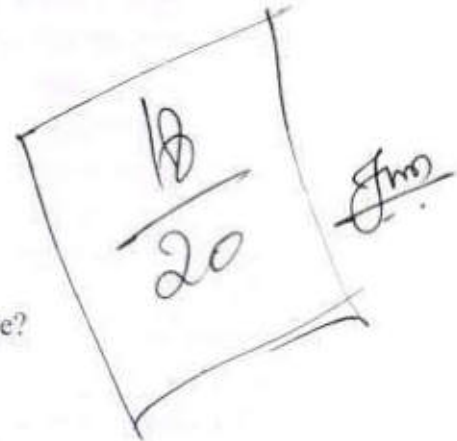
  
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Rakha - II-yr-Civil

 Beyond Knowledge	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
	Approved by AICTE, Affiliated to Anna University	
	Kakapalayam (PO), Salem – 637 504	<a href="http://www.kiot.ac.in">www.kiot.ac.in</a>

**Assessment for course on Architectural Design of Buildings using Revit  
Architecture**

1. Where are we find the curtain wall?  
A) Build Panel  
B) Type Property  
C) Type Selector  
D) Instance Property
2. Where can you find the Window option in ribbon palate?  
A) Circulation  
B) Build  
C) Model  
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 shorkey 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



  
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7. Where is the option Door located in ribbon palate?
- A) Circulation
  - B) Build
  - C) Model
  - D) None of these
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*Pm*

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15. You Can Collapse the tree by selecting the \_\_\_\_\_ in the Project browser.

- A) -icon
- B) +icon
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*Pm*



R. Saravanan II yr.



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Assessment for course on Architectural Design of Buildings using Revit  
Architecture

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A) RFA  
B) DWG  
C) RVT  
D) FBX

19  
20

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*Pm*




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J. K. Nandhini  
II-year

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**Assessment for course on Architectural Design of Buildings using Revit  
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20  
20  
Jm

Jm



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S. Neya. II - year

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Handwritten notes: A box containing '20' over '20' and 'Jm' below it.

  
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*Pm*



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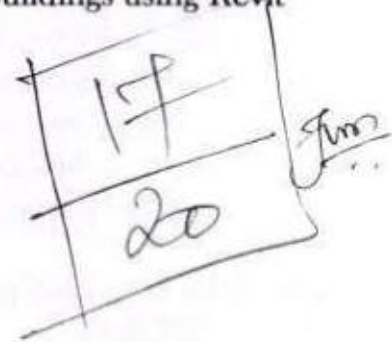
*Pm*

A. Mohan Kumar  
II-year civil

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*Am*



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*Pm*





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*Beyond Knowledge*

# Certificate

This is to certify that Mr/Ms A. Shrinath of \_\_\_\_\_  
II year student in academic year 2016-17 has  
completed / attended the course on Architectural Design of Buildings using  
Revit Architecture during the period from 04.07.16 to 14.07.16

at Knowledge Institute of Technology, Salem.

Aruls  
COURSE  
INSTRUCTOR

[Signature]  
PRINCIPAL,  
Knowledge Institute of Technology  
Akasalavam (PO) Salem - 637 504

[Signature]  
HOD/CIVIL

[Signature]  
PRINCIPAL



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**DEPARTMENT OF CIVIL ENGINEERING**

# Certificate

This is to certify that Mr/Ms J. K. Nandhini of \_\_\_\_\_  
II year student in academic year 2016-17 has  
completed / attended the course on Architectural Design of Buildings using  
Revit Architecture during the period from 04.07.16 to 14.07.16

at Knowledge Institute of Technology, Salem.

*Amal*  
**COURSE INSTRUCTOR**

*pm*

**MUNICIPAL,**  
Knowledge Institute of Technology  
Sakapalayam (P.O.) Salem - 637 504

*[Signature]*

**HOD/CIVIL**

**PRINCIPAL**





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**DEPARTMENT OF CIVIL ENGINEERING**

## Certificate

This is to certify that Mr/Ms M.Divyaa of \_\_\_\_\_  
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Aruls  
-COURSE  
INSTRUCTOR

[Signature]  
PRINCIPAL,  
Knowledge Institute of Technology  
Akadhalavam (PO) Salem - 637 504

[Signature]  
HOD/CIVIL  
**PRINCIPAL**



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**DEPARTMENT OF CIVIL ENGINEERING**

# Certificate

This is to certify that Mr/Ms M.P. Kaviya of \_\_\_\_\_  
II year student in academic year 2016-17 has

completed / attended the course on Architectural Design of Buildings using

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*Aruls*  
-COURSE  
INSTRUCTOR

*[Signature]*

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Knowledge Institute of Technology  
Akapalayam (PO), Salem - 637 510

*[Signature]*  
HOD/CIVIL

*[Signature]*  
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# Certificate

This is to certify that Mr/Ms A. Mohan Kumar of \_\_\_\_\_  
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Amal  
**COURSE**  
**INSTRUCTOR**

pm

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

P. H. S. S.

**HOD/CIVIL**

[Signature]

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**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *V. Dhanu Vignesh*

Year/Sem/Sec:

*II/03*

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		<i>7</i>		
2	Course Material	<i>7</i>			
3	Clarity of the content delivery		<i>7</i>		
4	Hands on training experience	<i>7</i>			
5	Overall experience about the Course		<i>7</i>		

**SUGGESTIONS IF ANY:**

*Course Content delivered by the  
Trainer*

**Student Sign:**

*V. Dhanu Vignesh*

*Pm*

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Akapatayam (PO), Salem - 637 504





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**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *M.R. Kamalathan*

Year/Sem/Sec:  
*II/03*

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:**

*GOOD - Hands on training experience*

**Student Sign:**

*M.R. Kamalathan*

*PM*  
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Knowledge Institute of Technology  
Akapalayam (PO) Salem - 637 504



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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: *V. Santhosh Kumar*

Year/Sem/Sec:

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:**

*clarity of the content delivery*

**Student Sign:**

*[Handwritten Signature]*

*Pm*





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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: P. Aswin

Year/Sem/Sec:  
III/O3

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

*P. Aswin*  
**Student Sign:**

*Pm*  
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Knowledge Institute of Technology  
Akaoalavam (PO) Salem - 637 511



Acquire Knowledge

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DEPARTMENT OF CIVIL ENGINEERING

**FEEDBACK FORM**

**CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE**

Name: P. Vignosh

Year/Sem/Sec:  
1/1/03

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:**

PRINCIPAL

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Salem (PO) Salem - 637 504




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**DEPARTMENT OF CIVIL ENGINEERING**
**REPORT OF THE EVENT**

<b>Date</b>	: 11.07.2016 to 21.07.2016	<b>Resource person</b>	: T.Prem Kumar, Course Instructor, Cadd square, Salem.
<b>Time</b>	: 09.00 am to 01.00 pm	<b>Title</b>	: Certification Course on 3D Modeling of buildings using 3ds MAX DESIGN
<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. This software is fairly complex, dealing with complex geometry creation, rendering and animation.
2. These tools are highly valuable to a designer as we use BIM (Building Information Modeling) more and more to "practice" our designs before they are built to understand them better and eliminate mistakes.
3. The advantage for a Civil Engineer would be to create a digital environment of the project to get a better picture.
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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**KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504**

**CIRCULAR**

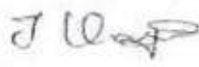
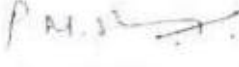

<b>Circular No.</b>	CIVIL/CC/2016-17 /02	<b>Date</b>	07.07.2016
<b>To</b>	All HODs, Faculty members & Students		
<b>Subject</b>	Certification Course on <b>3D Modeling of buildings using 3ds MAX design</b> –reg.		

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.

**Program Details**

Date	Session	Venue	Topic	Resource Person
11.07.16 to 21.07.16	FN (09.00 am to 01.00 pm)	CC10	Certification Course on "3D Modeling of buildings using 3ds MAX design"	Er. T.Prem Kumar Course Instructor, CAD SQUARE. Salem-4.

Co-ordinators : 1. Mrs.J.Vidhya Nandhini – 8508609672

 Course co-ordinator	 HOD/Civil	 PRINCIPAL
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MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	PAT	AO	Transport UC	Hostel NB	Director / Training	Director / Placement	Residential Warden	College NB	Office / File	Class Circulation
*	*	*	*	*	*	*	*	*			*	*	*		*	*	*

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



# Certificate Course

ON

## 3D modelling of Buildings using 3ds MAX DESIGN

11.07.2016 to 21.07.2016



Organized by

Department of Civil Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

KIOT campus, Kakapalayam (P.O), Salem-637 501,  
Tamil Nadu, India.  
[www.kiot.ac.in](http://www.kiot.ac.in)

  
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Knowledge Institute of Technology,  
Kakapalayam (P.O), Salem

### 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 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. 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-FED 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 & CUI 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 (exterior @ interior), Interior living, Interior Kids- Walk through works - Settings works. printing options (Export and Import)

For Registration Kindly Contact:

Mrs.J.Vidhya Nandhini/AP/Civil,

M: 85086 09672,

Mail: jvnctivil@kiot.ac.in

From

06/06/2016, Salem

J.Vidhya Nandhini,  
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.**

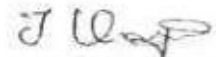
We have planned to conduct certification course on "3D MODELLING OF BUILDINGS USING 3ds MAX DESIGN" from 11.07.2016 to 21.07.2016 for a period of 10 days with the duration of 40 hours. It will be helpful for our II Year Civil Engineering students through which they can enrich their knowledge in 3Dimensional 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	45 Nos.

Thank you sir

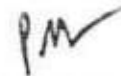
Yours truly,



(J.Vidhya Nandhini)



HOD/CIVIL



PRINCIPAL



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**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 2016-17

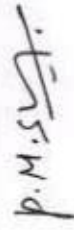
S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
1	611214103001	AJITHKUMAR P	3D modelling of Buildings using 3ds Max Design	11-07-2016	21-07-2016	40
2	611214103004	DHEEPAN V				
3	611214103007	EZHILARASI S				
4	611214103009	GOKULAKANNAN 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				

*[Signature]*

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
23	611214103041	SABARINATH M	3D modelling of Buildings using 3ds Max Design 	11-07-2016	21-07-2016	40
24	611214103042	SAKTHEESHWARIT				
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 S E				
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				



COURSE CO-ORDINATOR



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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
<b>EXECUTION SCHEDULE</b>			
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 primitivies, 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

  
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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


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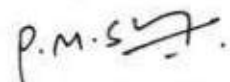
Detailed Execution Plan					
Name of the Course 2 Module: 7. Advanced Design parameters					
Duration: 04 hours					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
7	Introduction To Material Textures And Maps Concepts of texturing And Adding	2	2	-	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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**KNOWLEDGE INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING**

**Course on 3D modelling of Buildings using 3ds Max Design**

**ATTENDANCE REPORT**


S.No	Register No	Name of the student	11.07.16	12.07.16	13.07.16	14.07.16	15.07.16	16.07.16	17.07.16	18.07.16	19.07.16	20.07.16	21.07.16
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	/	/	/	/	a	/	/	/	/	/	/
9	611214103019	KOUSALYA S	/	/	/	/	/	/	/	/	/	/	/
10	611214103021	KUMARAN A	/	/	/	/	/	/	a	/	/	/	a
11	611214103023	MEGALA B	/	/	/	/	/	/	/	/	/	/	/
12	611214103024	MOHAMED NADEEM S	/	/	/	/	/	/	/	/	/	/	/
13	611214103026	MYTHELI J	/	a	/	/	/	/	/	/	/	/	/
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	a	/	/	/	/	/	a	/	/	/	/
20	611214103035	RAGUNANTHAN K M	/	/	/	/	/	/	/	/	/	a	/
21	611214103039	RAVI M	/	/	/	/	/	/	/	/	/	/	/
22	611214103040	RAVIKUMAR S	/	/	/	/	/	/	/	/	/	/	a
23	611214103041	SABARINATH M	/	/	/	/	/	/	/	/	/	/	/
24	611214103042	SAKTHEESHWARI T	a	/	/	/	/	/	/	/	/	/	/
25	611214103043	SANGAVI S	/	/	/	/	/	/	/	/	/	/	/
26	611214103046	SASIDHAR S	/	/	/	/	/	/	/	/	/	/	/
27	611214103047	SASIDHARAN S	/	/	/	/	/	/	/	/	/	/	a
28	611214103048	SHALINI P	/	/	/	/	/	/	/	/	/	/	/
29	611214103051	SUBASHINI S	/	/	/	/	/	/	/	/	/	/	/

S.No	Register No	Name of the student	11.07.16	12.07.16	13.07.16	14.07.16	15.07.16	16.07.16	17.07.16	18.07.16	19.07.16	20.07.16	21.07.16
30	611214103052	SUJITHA P	/	/	/	/	/	/	/	/	/	/	/
31	611214103053	SURIYAKALA R	/	/	/	/	/	/	/	/	/	/	/
32	611214103055	SUVA SRI S E	/	/	/	/	/	/	/	/	/	/	/
33	611214103056	THILAGARAJ S	/	/	/	/	/	/	/	/	/	/	/
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43	611214103306	NAVEEN.V	/	/	/	/	/	/	/	/	/	/	/
44	611214103307	SARAVANAN.J	/	/	/	/	/	/	/	/	/	/	/
45	611214103309	THANGAVEL.K	/	/	/	/	/	/	/	/	/	/	/
46	611213103307	RAJ KUMAR. V	/	/	/	/	/	/	/	/	/	/	/
No. of students present			AA	44	44	45	45	45	44	44	43	44	42
No. of students absent			02	02	02	01	01	01	02	02	03	02	04
Course Co-ordinator Sign			Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign

P.M.S.V.T.  
HOD/CIVIL



P. Sijitha

 Pursuing Knowledge	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
	Approved by AICTE, Affiliated to Anna University	
	Kakapalayam (PO), Salem – 637 504	<a href="http://www.kiot.ac.in">www.kiot.ac.in</a>

**Assessment for course on 3D modelling of Buildings using 3ds Max Design**

1. What is full form of UI in Revit Architecture?
  - a) User Interface Workflow
  - b) User Interface
  - c) User Interfere
  - d) None of these
2. Which comprises six user-interface panels that give you access to most of the modeling features of 3ds Max, as well as some animation features, display choices, and miscellaneous utilities.
  - a. Material
  - b. Render
  - c. Frame Rate
  - d. Command Panel
3. A type of geometric model of a three-dimensional object in which the basic shape is made up of points, or vertices, connected by edges
  - a) Maps
  - b) NTSC
  - c) SMPTE
  - d) Mesh
4. Which is a single point in a graphic image.
  - a) Faces
  - b) Pixel
  - c) Edge
  - d) Spline
5. Which is the colour that an object reflects when illuminated by “good lighting??” Also referred to as its natural colour.
  - a) Editable Poly
  - b) Title Bar
  - c) Specular colour
  - d) Diffuse Colour
6. which records the beginning and end of each transformation of an object or element in the scene .
  - a) Faces
  - b) Vectors
  - c) Keyframes
  - d) Vertex
7. A wireframe box that encloses the extents of an object is called \_\_\_\_\_.

17/20

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- a) Origin
  - 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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15. Images generated by the computer in between the keyframes is called \_\_\_\_\_
- a) Tweens
  - b) Faces
  - c)  Tile
  - d) Grids
16. Which viewport display setting that lets you view objects in a given viewport as a wire mesh.
- a) Wireframe
  - b) Frame Rate
  - c)  ViewCube
  - d) Workflow
17. Which contains information about the scene and the active command?
- a) Material
  - b) Title Bar
  - c)  Status Bar
  - d) Menu Bar
18. which is an icon-based menu available from any button that has a small black triangle
- a) Polygons
  - b)  Flyout
  - c) Faces
  - d) Object
19. A collection of vertices and connecting segments that form a line or curve is called \_\_\_\_\_.
- a)  Tile
  - b) Origin
  - c) Spline
  - d) SMPTE
- 20.
21. Which is the standard time display format for most professional animation work?
- a) Maps
  - b)  SMPTE
  - c) Vertex
  - d) Tile



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SUNASHI .S.E

 Beyond Knowledge	<b>KNOWLEDGE INSTITUTE OF TECHNOLOGY</b>	
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	Kakapalayam (PO), Salem – 637 504	<a href="http://www.kiot.ac.in">www.kiot.ac.in</a>

**Assessment for course on 3D modelling of Buildings using 3ds Max Design**

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  - a) Editable Poly
  - b) Title Bar
  - c) Specular colour
  - d) Diffuse Colour
6. which records the beginning and end of each transformation of an object or element in the scene ,
  - a) Faces
  - b) Vectors
  - c) Keyframes
  - d) Vertex
7. A wireframe box that encloses the extents of an object is called \_\_\_\_\_.

18/20

Pm



- a) Origin
  - 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

15. Images generated by the computer in between the keyframes is called \_\_\_\_\_
- a) Tweens
  - b) Faces
  - c) Tile
  - d) Grids
16. Which viewport display setting that lets you view objects in a given viewport as a wire mesh.
- a) Wireframe
  - b) Frame Rate
  - c) ViewCube
  - d) Workflow
17. Which contains information about the scene and the active command?
- a) Material
  - b) Title Bar
  - c) Status Bar
  - d) Menu Bar
18. which is an icon-based menu available from any button that has a small black triangle
- a) Polygons
  - b) Flyout
  - c) Faces
  - d) Object
19. A collection of vertices and connecting segments that form a line or curve is called \_\_\_\_\_.
- a) Tile
  - b) Origin
  - c) Spline
  - d) SMPTE
- 20.
21. Which is the standard time display format for most professional animation work?
- a) Maps
  - b) SMPTE
  - c) Vertex
  - d) Tile



# KNOWLEDGE INSTITUTE OF TECHNOLOGY

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that Mr/Ms T. Saktheshwari of III year student in academic year 2016-17 has

completed the course on 3D Modelling of Buildings using 3ds Max Design during the period from 11/07/16 to 21/7/16 at Knowledge Institute of Technology, Salem.

*T. R. Kumar*

**COURSE INSTRUCTOR**

*P. M. S. S.*

**HOD/CIVIL**

*[Signature]*

**PRINCIPAL**



*Beyond Knowledge*

*[Signature]*  
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Knowledge Institute of Technology  
Akabatavam (PO), Salem - 637 504



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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE



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This is to certify that Mr/Ms P. Sujitha of III year student in academic year 2016-17 has completed the course on 3D Modelling of Buildings using 3ds Max Design during the period from 11/7/16 to 21/7/16 at Knowledge Institute of Technology, Salem.

T. R. Ramesh  
COURSE INSTRUCTOR

P. H. S. S.  
HOD/CIVIL

[Signature]  
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DR. N. LIPAL,  
Knowledge Institute of Technology,  
Akabpalayam (PO) Salem - 637 504





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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that Mr/Ms K. Viswanathan of  
III year student in academic year 2016-17 has  
completed the course on 3D Modelling of Buildings using  
3ds Max Design during the period from 11/7/16 to 21/7/16  
at Knowledge Institute of Technology, Salem.

*T. R. Ramesh*

**COURSE  
INSTRUCTOR**

*P. H. S. S.*

**HOD/CIVIL**

*[Signature]*

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# KNOWLEDGE INSTITUTE OF TECHNOLOGY

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE



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This is to certify that Mr/Ms S. F. Suva Sri of III year student in academic year 2016-17 has completed the course on 3D Modelling of Buildings using 3ds Max Design during the period from 11/7/16 to 21/7/16 at Knowledge Institute of Technology, Salem.

T. R. Ramesh  
COURSE INSTRUCTOR

P. H. S. S.  
HOD/CIVIL

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### CERTIFICATE

This is to certify that Mr/Ms S. Thilagoraj of III year student in academic year 2016-17 has completed the course on 3D Modelling of Buildings using 3ds Max Design during the period from 11/7/16 to 21/7/16 at Knowledge Institute of Technology, Salem.

*T. R. Ramesh*

**COURSE  
INSTRUCTOR**

*P. M. S. S.*

**HOD/CIVIL**

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Akadavaram (PO), Salem - 637 504



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DEPARTMENT OF CIVIL ENGINEERING

FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design

Name: *Sangar*

Year/Sem/Sec: *15/05*

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: *Good*

Student Sign: *A.S.T*

*Pm*

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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: S. Naveen Kumar

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:

Good..

Student Sign: S. Naveen Kumar

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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *A. Kumaran*

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:

*Overall experience is good.*

**Student Sign:**

*A. Kumaran*

*Pm*

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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *J. Mytheli*

Year/Sem/Sec: *III / 05*

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:**

*J. Mytheli*

*[Signature]*

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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on 3D Modeling of Buildings using 3ds Max Design**

Name: *V. Dheepan*

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:

*The content delivery was good.*

**Student Sign:**

*[Handwritten Signature]*

*[Handwritten Signature]*

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Kapatavam (PO) Salem - 637 504



2016-17

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Applied Knowledge

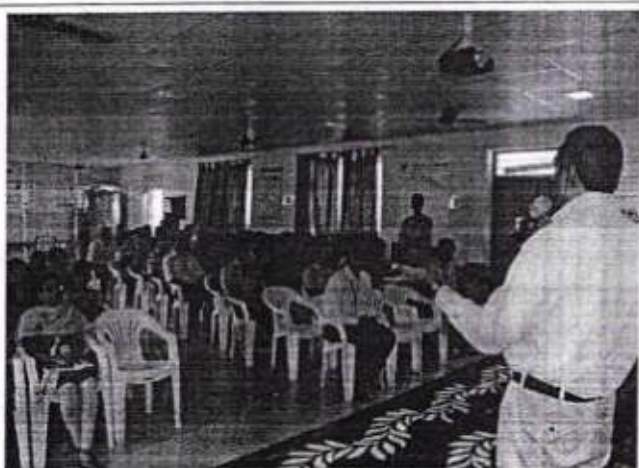
## KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

### DEPARTMENT OF CIVIL ENGINEERING

#### REPORT OF THE EVENT

<b>Date</b> :	18.07.16 to 28.07.16	<b>Resource person</b> :	P.M.Muthukrishnan, Course Instructor, Cadd square, Salem.
<b>Time</b> :	02.00 pm to 06.00 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> :	43

1. STAAD.Pro is the most widely used software for structure designing processes. 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.
2. This software can also calculate the reinforcement for the concrete columns, beams and shear wall.
3. STAAD.Pro software contains all the necessary tools required to design a structure. It works in-sync with other programs such as STAAD.Pro Foundation, STAAD.offshore, and RAM Concept for designing of foundations, offshore structures and steel connection, respectively
4. The veteran trainer shared his long term experiences in the design field and explained the importance of design of building.
5. This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.



Encl: Circular / Brochure / Attendance Sheet

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Kakapalavam (PO) Salem - 637 504

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**CIRCULAR**

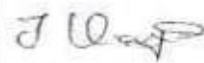
<b>Circular No.</b>	CIVIL/CC/2016-17/03	<b>Date</b>	13.07.2016
<b>To</b>	All HODs, Faculty members & Students		
<b>Subject</b>	Certification Course on <b>Analysis of Structural members using Staad pro v8i</b> –reg.		

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.

**Program Details**

Date	Session	Venue	Topic	Resource Person
18.07.16 to 28.07.16	AN (02.00 am to 06.00 pm)	CC10	Certification Course on “ <b>Analysis of Structural members using Staad pro v8i</b> ”	<b>Er. P.M.Muthukrishnan</b> Course Instructor, CAD SQUARE, Salem-4.

**Co-ordinators : 1. Mrs.J.Vidhya Nandhini – 8508609672**



**Course co-ordinator**



**HOD/Civil**



**PRINCIPAL**

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	PAT	AO	Trans- port IC	Hostel NB	Director / Training	Director / Placement	Residential Warden	College NB	Office File	Class Circulation
*	*	*	*	*	*	*	*	*		*	*	*			*	*	*



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Akapatavam (PO) Salem - 637 504



# Certificate Course

ON

## Analysis of structural members using Staad Pro v8i

18.07.2016 to 28.07.2016



*Organized by*

Organized by

Department of Civil Engineering

## KNOWLEDGE INSTITUTE OF TECHNOLOGY

KIOT campus, Kakapalayam (PO), Salem-637 504,  
Tamil Nadu, India.

[www.kiot.ac.in](http://www.kiot.ac.in)

PK NULIPAL,

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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 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. 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:

Mrs.J.Vidhya Nandhini/AP/Civil,

M: 85086 09672,

Mail:jvncivil@kiot.ac.in

From

15/06/2016, Salem

J.Vidhya Nandhini,  
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.**

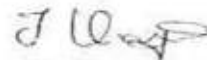
We have planned to conduct certification course on "Analysis of Structural members using Staad pro V8i". It will be helpful for our IV Year Civil Engineering students through which they can enrich their knowledge in Structural analysis and design for various buildings. In this regards we request you 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	<b>Analysis of Structural members using Staad pro V8i</b>
Duration	18.07.2016 to 28.07.2016 ( 10 days )
Company/ Resource Person	<b>Er. P.M.Muthukrishnan,</b> Course Instructor, Cadd square, Salem
Total Number of Students Registered	<b>43 Nos.</b>

Thank you sir


Yours truly,



(J.Vidhya Nandhini)



HOD/CIVIL



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Akapalayam (PO), Salem - 637 504



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**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 2016-17

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
1	611213103001	AJITHKUMAR. S	Analysis of Structural members using Staad pro v18	18-07-2016	28-07-2016	40
2	611213103002	AMALA. S				
3	611213103003	AMIR IBRAHIM. A				
4	611213103004	ARAVIND.P				
5	611213103006	BOOPALAKANNAN. P				
6	611213103008	BOOPATHY. K				
7	611213103010	DEVAN. A				
8	611213103011	DEVPRAKASH.P				
9	611213103012	DINESH KUMAR. A				
10	611213103013	DIVYA. R				
11	611213103014	DYANITHI.S				
12	611213103016	GANESHAN.N				
13	611213103017	GAVIYAA. MA				
14	611213103018	GAYATHRI DEVI. N.R				
15	611213103019	GOKUL.M				
16	611213103020	GOKUL RAJ.A				
17	611213103021	GOWTHAM.S				
18	611213103022	KALAI SELVAN. K				
19	611213103023	KANAGARAJ. S				
20	611213103024	KARTHIK. K				
21	611213103025	KAVIPRIYA.P				

*pm*

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
22	611213103026	KUMARAVEL, P	Analysis of Structural members using Staad pro vi8	18-07-2016	28-07-2016	40
23	611213103027	LALITHA SREE. S				
24	611213103030	MANIKANDAN, P(1995)				
25	611213103031	MANIKANDAN, P(1996)				
26	611213103034	MOHAN RAJU, K.S				
27	611213103035	MYTHILIPRIYA, P				
28	611213103036	OLINAYAKI, S				
29	611213103037	PAVITHRA, S				
30	611213103038	PRAKASH, P				
31	611213103040	PRIYANGA, T				
32	611213103042	RESHMA, R				
33	611213103043	SABARI, M				
34	611213103044	SAKTHIVEL, T				
35	611213103045	SANJEEVE, B				
36	611213103046	SATHEESHKUMAR, R				
37	611213103047	SATHISH KUMAR, P				
38	611212103302	ASWIN, A				
39	611212103303	DINESHBABU, M				
40	611212103304	JAYAPRAKASH, P				
41	611212103307	KIRUBAKARAN, S.K				
42	611212103308	MUGESH, A				
43	611212103309	SAKTHIVEL, P				

*[Signature]*

COURSE CO-ORDINATOR

*[Signature]*

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Knowledge Institute of Technology,  
Kavayalavam (PO) Salem - 571 302

P.M. S. S. S. S. S.  
HOD/CIVIL



**KNOWLEDGE INSTITUTE OF TECHNOLOGY**  
**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

**EXECUTION SCHEDULE**

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

*Pm*

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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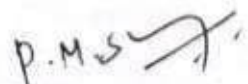
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Detailed Execution Plan					
Name of the Course Module: 4. Design of Concrete and Steel					
Duration: 08					
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4	Concrete design ,Design of beams & 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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DEPARTMENT OF CIVIL ENGINEERING**

Course on Analysis of Structural members using Staad pro v8i

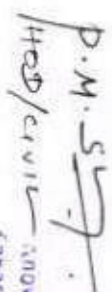
**ATTENDANCE REPORT**


S.No	Register No	Name of the student	18-07-16	19-07-16	20-07-16	21-07-16	22-07-16	23-07-16	24-07-16	25-07-16	26-07-16	27-07-16	28-07-16
1	611213103001	AJITHKUMAR. S	/	/	/	/	/	/	/	/	/	/	/
2	611213103002	AMALA. S	/	/	/	/	/	/	/	/	/	/	/
3	611213103003	AMIR IBRAHIM. A	/	/	/	/	/	/	/	/	/	/	/
4	611213103004	ARAVIND.P	/	/	/	/	/	/	/	/	/	/	/
5	611213103005	BOOPALAKANNAN. P	/	/	/	/	/	/	/	/	/	/	/
6	611213103008	BOOPATHY. K	/	/	/	/	/	/	/	/	/	/	a
7	611213103010	DEVAN. A	/	/	/	/	/	/	/	/	/	/	/
8	611213103011	DEVPRAKASH.P	/	/	/	/	/	/	/	/	/	/	/
9	611213103012	DINESH KUMAR. A	/	/	/	/	/	/	/	/	/	/	/
10	611213103013	DIVYA. R	/	/	/	/	/	/	/	/	/	/	/
11	611213103014	DYANITHLS	/	/	/	/	/	/	/	/	/	/	/
12	611213103016	GANESHAN.N	/	/	/	/	/	/	/	/	/	/	/
13	611213103017	GAVIYAA. MA	/	a	/	/	/	/	/	a	/	/	/
14	611213103018	GAYATHRI DEVI. N.R	/	/	/	/	/	/	/	/	/	a	/
15	611213103019	GOKUL.M	/	/	/	/	/	/	/	/	/	/	/
16	611213103020	GOKUL RAJA	/	/	/	/	b	/	/	/	/	/	/
17	611213103021	GOWTHAM.S	/	/	/	/	/	/	/	/	/	/	/
18	611213103022	KALAI SELVAN. K	/	/	/	/	/	/	a	/	/	/	/
19	611213103023	KANAGARAJ. S	/	/	/	/	/	/	/	/	/	/	/
20	611213103024	KARTHIK. K	/	/	/	/	/	/	/	/	/	/	/
21	611213103025	KAVIPRIYA.P	a	/	/	/	/	/	/	/	/	/	/
22	611213103026	KUMARAVEL. P	/	/	/	/	/	/	/	/	/	/	/
23	611213103027	LALITHA SREE. S	/	/	/	/	/	/	/	/	/	/	/
24	611213103030	MANIKANDAN. P(1995)	/	/	/	a	/	/	/	/	/	/	a
25	611213103031	MANIKANDAN. P(1996)	/	/	/	/	/	/	/	/	a	/	/
26	611213103034	MOHAN RAJU. KS	/	/	/	/	/	/	/	/	/	/	/
27	611213103035	MYTHILIPRIYA. P	/	/	/	/	/	/	/	/	/	/	/
28	611213103036	OLINAYAKI. S	/	/	/	/	/	/	/	/	/	/	/

VM



S.No	Register No	Name of the student																
29	611213103037	PAVITHRA. S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	611213103038	PRAKASH. P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	611213103040	PRIYANGA. T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	611213103042	RESHMA. R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	611213103043	SABARI. M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	611213103044	SAKTHIVEL. T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	611213103045	SANJEEVE. B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	611213103046	SATHEESHKUMAR. R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	611213103047	SATHISH KUMAR. P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	611212103302	ASWIN. A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	611212103303	DINESHBABU. M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	611212103304	JAYAPRAKASH. P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	611212103307	KIRUBAKARAN. S.K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	611212103308	MUGESH. A	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	611212103309	SAKTHIVEL. P	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
44	611212103307	KIRUBAKARAN. S.K	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
45	611212103308	MUGESH. A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46	611212103310	SARANKUMAR. S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
47	611212103311	SUGANYA. G	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
48	611212103312	VIPISHAN. S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total No. of students			48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
No. of students present			47	46	45	46	47	47	47	46	46	46	46	46	46	46	46	46
No. of students absent			01	02	03	02	01	01	02	02	02	02	02	02	02	02	02	02

  
 P.M. Srijani  
 Head/Career  
 OR NCIPAC  
 Knowledge Institute of Technology  
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### Assessment for course on Analysis of structural members using Staad pro v8i

1. In floor load, Y is the :
  - A) Affective height
  - B) Floor height
  - C) Building height
  - D) All of the Above
2. In Concentrated Load, P is :
  - A) All of the above
  - B) Force Direction
  - C) Perpendicular distance from the member
  - D) Value of Load
3. For Plates, Which one of the following is true?
  - A) In order to release a Plate you can release the Beams holding the plate
  - B) You can release the Nodes of the Plates.
  - C) You can release more than one Nodes of the Plates.
  - D) Options B & C.
4. B.E.A.V.A supports
  - A) UK BS 5400
  - B) IRC chapter 2
  - C) IS 456
  - D) All of the Above
5. STAAD.Pro Perform Analysis is:
  - A) Taking into consideration the Displacement of Nodes
  - B) Taking into consideration the Stiffness Corection
  - 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
  - B) false
7. 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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20

L

Pm

PRINCIPAL



8. You can also edit the parameters in structure wizards models  
A) true  
B) false
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  
B) Loading Scale  
C) Displacement  
D) Result Scales
13. In track parameter, we have which of the following values?  
A) 2,3,4  
B) 0,1,2  
C) 1,0,2  
D) 1,2,3
14. How many types of Models are available in the Structure Wizard?  
A) 5  
B) 8  
C) 7  
D) 6
15. In concrete design parameter, by default, value for clt (Clear Cover top) is:  
A) 25mm  
B) 12mm  
C) 30mm  
D) 20mm
16. The minimum and maximum limits of number of divisions of each side are 1 to 100.  
A) true

- B) false
17. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X,Y,Z?
- A) Circular Repeat
  - B) Mirror
  - C) Translational Repeat
  - D) Insert Nodes
18. Indian Standard Criteria for Earthquake Resistant design of Structure is?
- A) Is 1893-2003
  - B) Is 1893-2002
  - C) Is 1892-2005
  - 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



S. Pavithra  
IV - year Civil



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Assessment for course on Analysis of structural members using Staad pro v8i

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A) UK BS 5400  
B) IRC chapter 2  
C) IS 456  
D) All of the Above
- STAAD.Pro Perform Analysis is:  
A) Taking into consideration the Displacement of Nodes  
B) Taking into consideration the Stiffness Corection  
C) Multi- Iteration Analysis  
D) 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

18  
20

*Pm*

8. You can also edit the parameters in structure wizards models  
A) true  
B)  false
9. Which of the following sub-pages are in Foundation Plan Pages?  
A) Linear Grid Setting  
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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.  
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C) Displacement  
D) Result Scales
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A)  true



- B) false
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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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



VIJAYACHANDRAN  
III-year Civil Engg.

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Assessment for course on Analysis of structural members using Staad pro v8i

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- STAAD.Pro Perform Analysis is:
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  - 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
  - true
  - false
- In Meshing Parametric dialog box, by default, bias value is \_\_\_ and divi value is \_\_\_.
  - Bias is 1 Divi is 15
  - Bias is 1 Divi is 11
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17  
20


Pm  
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10. How many types of meshing we have in STAAD.Pro?
- A) 1
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  - C) 5
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  - D) 1,2,3
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16. The minimum and maximum limits of number of divisions of each side are 1 to 100.
- A) true

- B) false
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- A) 1
  - B) 4
  - C) 2
  - D) 5
20. Pinned Support will have \_\_\_\_\_ reactions. Marks 1
- A) 2
  - B) 6
  - C) 4
  - D) 3

Sanjeev B

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Assessment for course on Analysis of structural members using Staad pro v8i

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20

*[Signature]*



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  - C) 2
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- A) 2
  - B) 6
  - C) 4
  - D) 3

*PM*



Practical Knowledge

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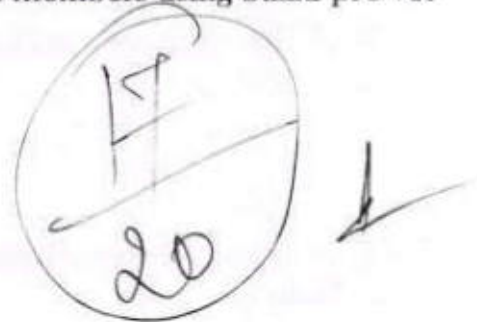
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**Assessment for course on Analysis of structural members using Staad pro v8i**

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D) Bias is 1 Divi is 10



Pm

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  - C) 5
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  - C) 2
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20. Pinned Support will have \_\_\_\_\_ reactions. Marks 1
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  - B) 6
  - C) 4
  - D) 3



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Beyond Knowledge

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**DEPARTMENT OF CIVIL ENGINEERING**



This is to certify that Mr/Ms K.S. MOHAN RAJU of \_\_\_\_\_

IV year student in academic year 2016-2017 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING

STAAD Pro V8i during the period from 18.7.16 to 28.7.16

at Knowledge Institute of Technology, Salem.

P.M. N. S. S. S.  
COURSE  
INSTRUCTOR

P. M. S. S.  
HOD/CIVIL

[Signature]  
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Knowledge Institute of Technology  
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Akadavalam (PO) Salem - 637 014

[Signature]  
PRINCIPAL





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IV year student in academic year 2016-2017 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING

STAAD PRO V8i during the period from 18.7.16 to 28.7.16

at Knowledge Institute of Technology, Salem.

P.M. K. Sathish Kumar  
COURSE  
INSTRUCTOR

P. H. S. Srinivasan  
HOD/CIVIL

[Signature]  
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[Signature]  
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Akacalavam (PO) Salem - 637014





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This is to certify that Mr/Ms A. ASWIN of \_\_\_\_\_

IV year student in academic year 2016 - 2017 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING

STAAD Pro V8i during the period from 18.7.16 to 28.7.16

at Knowledge Institute of Technology, Salem.

P.M. Natarajan  
COURSE  
INSTRUCTOR

[Signature]

MUNICIPAL,  
Knowledge Institute of Technology,  
Palavaram (PO), Salem - 637

[Signature]  
PRINCIPAL





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Approved by AICTE, Affiliated to Anna University  
**DEPARTMENT OF CIVIL ENGINEERING**



This is to certify that Mr/Ms P. ARAVIND of \_\_\_\_\_

IV year student in academic year 2016-2017 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING

STAAD Pro V8i during the period from 18.7.16 to 28.7.16

at Knowledge Institute of Technology, Salem.

P.M. K. S. S. S.  
COURSE  
INSTRUCTOR

P.M.

DR. INCIPAL,  
Knowledge Institute of Technology,  
Akacalavam (PO), Salem - 637

[Signature]

PRINCIPAL

HOD/CIVIL





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Approved by AICTE, Affiliated to Anna University  
**DEPARTMENT OF CIVIL ENGINEERING**



This is to certify that Mr/Ms M. GOKUL of  
IV year student in academic year 2016-2017 has

completed the course on ANALYSIS OF STRUCTURAL MEMBERS USING  
STAAD PRO V8i during the period from 18.7.16 to 28.7.16

at Knowledge Institute of Technology, Salem.

P.M. Nithishan  
COURSE  
INSTRUCTOR

P.M.S. Srinivasan  
HOD/CIVIL

P.M.  
PRINCIPAL

Knowledge Institute of Technology  
K. K. Palayam (P.O.) Salem - 637 501

[Signature]  
PRINCIPAL



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**DEPARTMENT OF CIVIL ENGINEERING**

**FEEDBACK FORM**

**COURSE on Analysis of Structural members using Staad pro v8i**

Name: P. Kumaravel

Year/Sem/Sec: IV / 01

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:**

It was useful and interesting

**Student Sign:**

P. Kumaravel

Pm

PRINCIPAL,

Knowledge Institute of Technology  
Kopalavam (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: *M. Gokul*

Year/Sem/Sec: *IV/07*

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 course was very useful.*

**Student Sign:**

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Akopalavaram (PO) Salem - 637 504





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FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name: N. Ganeshan

Year/Sem/Sec: IV/07

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, the experience about the course is understandable

Student Sign:

*N. Ganeshan*

PRINCIPAL,

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



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**FEEDBACK FORM**

**COURSE on Analysis of Structural members using Staad pro v8i**

Name: R. Reshna

Year/Sem/Sec: V/07

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 informative

**Student Sign:**

R. Reshna

Pm



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**FEEDBACK FORM**

**COURSE on Analysis of Structural members using Staad pro v8i**

Name: *M. Sakarji*

Year/Sem/Sec: *IV/7*

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:**

*Good , Need to improve.*

**Student Sign:**

*M. Sakarji*

*Pm*