ACEDEMIC YEAR 2018-2019



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504

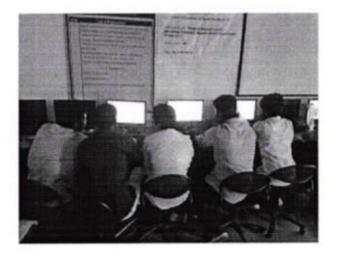
Approved by AICTE, Affiliated to Anna University, Chennai.

	Report of	Program / Event Conduc	eted			
Name of the Program / E	Event	Solid Modeling (Level-	2) using CATIA & NXCAD software			
Resource Person details		MrS.SANTHOSH & Mr.KV.RANGASAMY Assistant Professor, Dept. of Mechanical Engg. KIOT				
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 102			
Date, Time and Venue	16.07.2018-28.0 COE – CRCPD A-Block, KIOT.	Г,				

Description of the program

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





ncipai, **Anowledge Institute of Technology** Kakapalayam (Po), Salem-637 60

From

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

To

The Principal, Knowledge Institute of Technology, Salem

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

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

Thanking You

Salem

04.07.2018

www

Forwarded to the Principal.

Yours Faithfully

T. Drange J.Prakash

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			CIRCULAR			
Circu	ular No.			Date	04.07	.2018
То	IV	Year stud	lents			
Subject	So	lid Model	ing (Level-2) using C/	ATIA & N	IXCAD software	
Circular is	sued by		xcellence – CRCPD Engineering.	T & Des	igners Club, Dep	partment o
Club has p	planned to conduc	t Solid M	g and Technical Doc odeling (Level-2) usi	ng CATI	A & NXCAD soft	ware for IV
Club has p and III yea schedule.	planned to conduc r students. Regist	t Solid M ered stud	odeling (Level-2) usi ents are requested to	ng CATI	A & NXCAD soft	ware for IN
Club has p and III yea	planned to conduc	t Solid M ered stud	odeling (Level-2) usi	ng CATI	A & NXCAD soft	ware for IN er the giver

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SENDER	PRINCIPAL

MECH	VP Office	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	port	Hostel	Director	Director / Placement		lential Irden	College NB	Office / File	Class Circula-	Security Office	KBS	Recep
-		-	-		-		_		_	_	I/C		Training		LH	GH	ND.	rite	tion	Onice		tion
•	•	•	•	•	•													•				

Verified by the sender
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File :

1) Principal Office :

2) Concerned issuing department :

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Certificate Course

on Solid Modeling (Level-2)

using NXCAD software

16.07.2018 to 28.07.2018



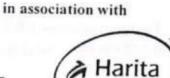
Organized by Department of Mechanical Engineering

KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

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





About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC In the single window counselling (TNEA 2018) seats of KIOT were filled in 62nd position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs, KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

About the Department

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

Mission:

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

Anowledge institute of Technology Yakapalayam (PO) Setem - 637 504 Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.

• Establish a continuous Industry Institute Interaction to make the students employable.

• Inculcate the students leadership quality with ethical values and spirit of team work.

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

SYLLABUS

1.Introduction to NXCAD

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

2.SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points, Operations, Corner, Chamfer, Projections, Transformations.

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

3.PART MODELING

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

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

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

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

4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.

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

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

5. DRAFTING AND DETAILING

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

dimensions. Stacked Distance. Angular, Radius. Diameter. Chamfer dimensions. Thread dimensions, Coordinate dimensions, dimension table Hole 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 Transformation tools, Constrains tools. 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

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	К	Departn		E OF TECHNOLOGY			
Name of	the COE	Composite Ro and Technica	for Product Design, Digita n (CRCPDT)	l Manufacturing			
Name of	the Course	NX CAD		1.			
Solid Mo NXCAD	deling (Leve software	el-1) using	04	Total number of Hours	32 hours		
Solid Mo NXCAD	deling (Leve software		03	Total number of Hours	32 hours		
		EX	ECUTION SO	CHEDULE			
Module No.	Name of t	he Module		No. of	fHours		
1	Introductio	on to NX CAD		()2		
2	Sketcher			(06		
3	Part Mode	ling		1	12		
4	Assembly	Design		1	2		
5 Drafting and Detailing			0)8			
6 Generative Sheet metal Design			1	2			
7	Surface M	odeling		1	2		

	Detailed	Execution Pl	an		
Name of	the Course Module: 1. Introduction t	o NX CAD			
Duration:	02 hours				
Module No.	Name of the Module	Teaching	Practical	Self-Study	Course Plan (Day wise)
1.1	Introduction to Unigraphics NX, About NX Gateway, Getting Started, NX Graphical User Interface - Title bar, Menu bar, Toolbar, Radial toolbar, Selection bar, Cue and status line, Dialog rail, Resource bar, Navigators,HD3D tools,	1	1		Day1

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

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

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	the Course Module: 3.PART 12 hours	MODELING)		
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,	1	2		Day 4
	Boss, Pocket, Emboss, Slot, Groove.				
3.2	Feature modeling commands-Creating Extrude features, Creating Revolve features. Datums- Craeting Datum planes, Axis, Point.	1	2		Day 5
3.3	Creating Sweep Features- Swept, Sweep along guide, variable sweep, Creating Tube feature General hole, Drill size holes, Screw clearance holes, Threaded holes, Dart, Thread, Shell, Draft, Draft body, Scale Creating Blend and Chamfer. Instance feature	1	2		Day 6
3.4	Rectangular array, Circular array, Pattern face, Mirror feature, Mirror body Feature Operations -To Divide face, Trim body, Split body,Boolean commands, User defined feature, Creating Feature group, Layer settings, To measure distance between geometries, To measure	1	2		Day 7

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angle between geometries, To measure bodies and face	
geometries, To find	
geometric properties. Synchronous Modeling	

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	I	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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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	Applingdimensions- InferredInferredDimension, HorizontalHorizontalDimension, Pimension, ParallelParallelDimension, Dimension, AngularPerpendiculardimension, dimension, CylindricalHoledimension, dimension, DiameterDiameterDimension, dimension, Radius or Radius of CurvatureDimension, Radius to Centre, Folded Radius, Dimension, Arc Length, HorizontalDimension, Vertical ChainDimension, Dimension, VerticalChainDimension, Dimension, HorizontalDimension, VerticalDimension, VerticalDimension, VerticalDimension, VerticalDimension, VerticalDimension, VerticalDimension, VerticalDimension, Vertical	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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	De the Course Module: 6. Gene 12 hours	etailed Execu erative Sheet	earnatudi seates		
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

	D	etailed Execu	tion Plan		
	he Course Module: 7. Surf 12 hours	face Modelin	g		
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

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

Faculty I/C

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

NAME LIST

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	В	611215114010	ARAVINTH N	IV/VII	
2	A	611215114012	ARUL PRAKASAM S R	IV/VII	
3	В	611215114018	ASWIN PRASAD V	IV/VII	-
4	В	611215114019	BALAJI A.R	IV/VII	
5	В	611215114030	DHAMOTHARAN S	IV/VII	
6	В	611215114034	DHATCHINA MURTHI G	IV/VII	
7	В	611215114035	DHEVA K	IV/VII	
8	Α	611215114109	MANORANJAN P	IV/VII	
9	Α	611215114111	MEGATHESH R	IV/VII	
10	A	611215114118	MOHANKUMAR M	IV/VII	
11	Α	611215114126	MURALIMANOHAR S	IV/VII	
12	A	611215114127	MURUGAVELU U K	IV/VII	
13	А	611215114132	NAGARAJ R	IV/VII	
14	A	611215114133	NANDHAKUMAR E	IV/VII	
15	D	611215114135	NIHALYA DEVI S S	IV/VII	
16	В	611215114138	NIVESH B	IV/VII	
17	D	611215114139	PADMANABAN M	IV/VII	
18	В	611215114140	PARI ALAGHAN E	IV/VII	
19	A	611215114141	PARTHA SARATHY D	IV/VII	
20	D	611215114144	PERIYASAMY C	IV/VII	
21	Α	611215114145	POOVARASAN K	IV/VII	
22	В	611215114147	PRABHU S	IV/VII	
23	В	611215114148	PRADEEP C	IV/VII	
24	D	611215114162	RAJKUMAR R K	IV/VII	
25	D	611215114166	RAMPRATHAP S	IV/VII	
26	D	611215114168	RANJITHKUMAR R	IV/VII	
27	D	611215114171	REENA M	IV/VII	
28	D	611215114172	ROHITH KUMAR R	IV/VII	
29	D	611215114178	SANTHASEELAN S	IV/VII	
30	D	611215114190	SATHISHKUMAR G	IV/VII	
31	D	611215114193	SATHISH KUMAR R	IV/VII	
32	С	611215114222	THIYAGARAJAN S	IV/VII	
33	С	611215114227	VIGNESH V	IV/VII	
34	С	611215114229	VIGNESH (22.06.1998) R	IV/VII	
35	С	611215114230	VIGNESH (25.08.1998) R	IV/VII	

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36	С	611215114235	VIJAY S	IV/VII
37	C	The second se	VINOTH KUMAR S	IV/VII
38	С	611215114241	VINOTHKUMAR (31.07.1998) S	IV/VII
39	С	611215114242	VISHAL V B	IV/VII
40	С	611215114308	DINESH N	IV/VII
41	С	611215114309	DINESH KUMAR S	IV/VII
42	С	611215114310	ELANGOVAN V	III/VI

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S.NO	SEC	REG. NO	NAME	YEAF	16.07.2018	17.07.2018	18.07.2018	19.07.2018	20.07.2018	23.07.2018
1	В	611215114010	ARAVINTH N	IV/VII	1	1	1	1	1	1
2	Α	611215114012	ARUL PRAKASAM S R	IV/VI	1	1	1	1	,	1
3	В	611215114018	ASWIN PRASAD V	IV/VII	1	1	1	1	1	1
4	В	611215114019	BALAJI A.R	IV/VII	1	1	1	11	_	1
5	В	611215114030	DHAMOTHARAN S	IV/VII	1	,	1	1	1	1
6	В	611215114034	DHATCHINA MURTHI G	IV/VII	1	1	1	1	1	17
7	В	611215114035	DHEVA K	IV/VII	1	1	1	1	1	17
8	Α	611215114109	MANORANJAN P	IV/VII	1	1	1	1	1	1
9	A	611215114111	MEGATHESH R	IV/VII		1	1	1	1	1
10	Α	611215114118	MOHANKUMAR M	IV/VII	-	-	1	1	1	11
11	Α	611215114126	MURALIMANOHAR S	IV/VII	1	1	1	a	1	11
12	Α	611215114127	MURUGAVELU U K	IV/VII		1	1	1	1	1
13	Α	611215114132	NAGARAJ R	IV/VII	-	11	1	1	1	1
14	A	611215114133	NANDHAKUMAR E	IV/VII	1	1	1,	1	1	1
15	D	611215114135	NIHALYA DEVI S S	IV/VII	-	1	17	1,	1	1
16	В	611215114138	NIVESH B	IV/VII	-	1	17	11	1	1
17	D	611215114139	PADMANABAN M	IV/VII		11	1	17	11	17
18	В	611215114140	PARI ALAGHAN E	IV/VII	1	1	1	1	1	1
19	A	611215114141	PARTHA SARATHY D	IV/VII	5	11	1	1	1	1
20	D		PERIYASAMY C	IV/VII	17	1	1	1	1	1
21	A		POOVARASAN K	IV/VII	1	1	17	1	1	1
22	В	611215114147	PRABHU S	IV/VII	a	1	1	1	1	1
23	В	611215114148	PRADEEP C	IV/VII	1	1	1	1	1	1
24	D	611215114162	RAJKUMAR R K	IV/VII	1	17	a	1	1	1
25	D	611215114166	RAMPRATHAP S	IV/VII	1	1	1	1	1	1
26	D	611215114168	RANJITHKUMAR R	IV/VII	1	1	1	1	1	17
27	D	611215114171	REENA M	IV/VII	1	1	1	1	1	1
28	D	611215114172	ROHITH KUMAR R	IV/VII	17	1	1	5	1	1
29	D		SANTHASEELAN S	1V/V11	1	1	1	a	1	1
30	D	611215114190	SATHISHKUMAR G	IV/VII	-	17	1	1	1	5
31	D		SATHISH KUMAR R	IV/VII	1	1	1	5	5	1
32	С	611215114222	THIYAGARAJAN S	IV/VII	1	5	1	1	1	1
33	C		VIGNESH V	IV/VII	;	17	5	a	à	5
34	C		VIGNESH (22.06.1998) R	IV/VII	· ,	1		m.	1	1
35	С		VIGNESH (25.08.1998) R	IV/VII		1	-	· ,	1	1.
36	C		VUAY S	IV/VII		1	-	-	-	1
37	C		VINOTH KUMAR S	IV/VII IV/VII	1	1	· ,	1	1	+
38	C	and the second se	VINOTHKUMAR (31.07.1998) S	IV/VII IV/VII	1	-	1	-	1	1
39	C		VISHAL V B	IV/VII	-			-	1	
40	C	and the second se	DINESH N	IV/VII	1	-			-	-
41	C	and the second se	DINESH KUMAR S	IV/VII IV/VII	-		-	1		4
42	C		ELANGOVAN V	IV/VII IV/VII		1	5	1	-	1
			of Students Present	14/41	41	12	21	12	1	15
			of Students Absent		01	12	1	52	41	42
			Faculty Signature		n		2.2			75

FACULTY INCHARGE

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S.NO	SEC	REG. NO	NAME	YE	AR	24.07.2018	25.07.2018	26.07.2018	27.07.2018	
1	В	611215114010	ARAVINTH N	IV/N	/11	1	2	1		
2	Α	611215114012	ARUL PRAKASAM S R	IV/N	_	1	1	1,	1,	+
3	В	611215114018	ASWIN PRASAD V	IV/N	-	7	1	1,		-
4	В	611215114019	BALAJI A.R	IV/V	_	7	,	1	1	-
5	В	611215114030	DHAMOTHARAN S	IV/V	_	1	1	1		+
6	В	611215114034	DHATCHINA MURTHI G	IV/V	_	7		-	-	+
7	В	611215114035	DHEVA K	IV/V		1	',	1	17	1
8	A	611215114109	MANORANJAN P	IV/V	_	1	1	1	+ 2	ť
9	A	611215114111	MEGATHESH R	IV/V		$\frac{i}{i}$	1	5	17	+
10	Α	611215114118	MOHANKUMAR M	IV/V		/	-	1		+
11	Α		MURALIMANOHAR S	IV/V		at	-	1	1	+
12	Α		MURUGAVELU U K	IV/V		7	-	5	+ 5	+
13	A	611215114132	NAGARAJR	IV/V	_	-	1	-	1	+
14	Α	611215114133	NANDHAKUMAR E	IV/V			1	á	15	+'
15	D		NIHALYA DEVI S S	IV/V	_	-	1	1	17	-
16	В		NIVESH B	IV/V		1	1	1	5	1
17	D	611215114139	PADMANABAN M	IV/V	_		;	1	1	1
18	В		PARI ALAGHAN E	IV/V	_	-	1	1	17	-
19	Α	611215114141	PARTHA SARATHY D	IV/V	_	+	1	1	17	-
20	D	~ · · · · · · · · · · · · · · · · · · ·	PERIYASAMY C	IV/VI	-		1		1	
21	Α	611215114145	POOVARASAN K	IV/VI		-	1		5	1
22	В	611215114147	PRABHU S	IV/VI			á	1	1	1
23	В	611215114148	PRADEEP C	IV/VI		1	7		1	1
24	D	611215114162	RAJKUMAR R K	IV/VI		+	5	1	1	+
25	D	611215114166	RAMPRATHAP S	IV/VI		\pm	/ 	1	1	1
26	D	611215114168 H	RANJITHKUMAR R	IV/VI	-	+	7	1	1	1
27	D	611215114171 F	REENA M	IV/VI		\pm	; 	á	a.	1
28	D	611215114172 F	ROHITH KUMAR R	IV/VII	-	7	,	1	-	-
29	D	611215114178 S	ANTHASEELAN S	IV/VII	-	+	5	1	1	1
30	D	611215114190 S	ATHISHKUMAR G	IV/VII		+	, 	-	-	
31	D		ATHISH KUMAR R	IV/VII		+	+	5	-	/
32	C	611215114222 T	HIYAGARAJAN S	IV/VII		+	; +	5	5	5
33	C	611215114227 V	IGNESH V	IV/VII		+	, +	5	-	
34	C	611215114229 V	IGNESH (22.06.1998) R	IV/VII	-	+	-	5	-	
35	C	611215114230 V	IGNESH (25.08.1998) R	IV/VII		ť	1	1	1	
36	C	The state of a second state of the second stat	UAYS	IV/VII		1	4	17		/
37	C		INOTH KUMAR S	IV/VII		ť	+	; 	4	
38		611215114241 V	INOTHKUMAR (31.07.1998) S	IV/VII	5	1	7	;+		-
9			ISHAL V B	IV/VII	5	+	,	5+	4	1
0		611215114308 D	INESH N	IV/VII	15	+			4	/
1	C	611215114309 DI	INESH KUMAR S	IV/VII IV/VII	1	-	-	4	4	/
2	C		ANGOVAN V	III/VI		-	-	4	4	/
		No. c	f Students Present	III/ VI	ÁT	A	10	яl.	AT	10
			of Students Absent		1	17	_	3	<u>41</u>	42
	-	Fa	aculty Signature		ai	Q	0		in a	por

(101-1 FACULTY INCHARGE

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Anowledge Institute of Technology Yakapalayam (PO) Satem - 637 504 u....-HOD MECHANICAL



EVALUATION FORM-CERTIFICATE COURSE

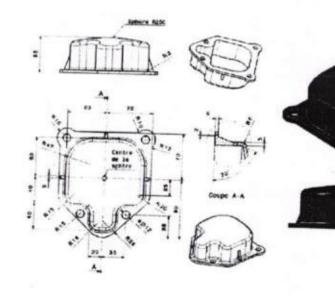
Solid Modeling (Level-2) using CATIA & NXCAD software Name: Marozailara . P Reg. No:

611215114109

Year/Sem/Sec: VIVI

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	25
2	SURFACE DESIGN	50	50
3	DETAILING	25	20
	TOTAL MARKS	100	95





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DH NLIPAL Anowledge Institute of Technology *akapalayam (PO) Setem - 637 504



EVALUATION FORM-CERTIFICATE COURSE

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

Name: Pañabghan. E

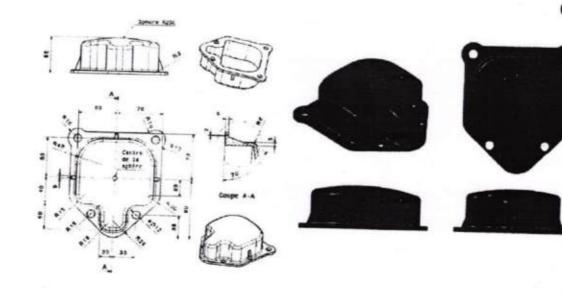
Reg. No: 611215114140

Year/Sem/Sec: IV IVII

(X

ASSESSMENT TEST

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



PH NLIPAL. snowledge institute of Technology *akapalayam (#O) Selem - 637 504



EVALUATION FORM-CERTIFICATE COURSE

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

Name: D. Pastha Sogathy

Reg. No: 611215114141

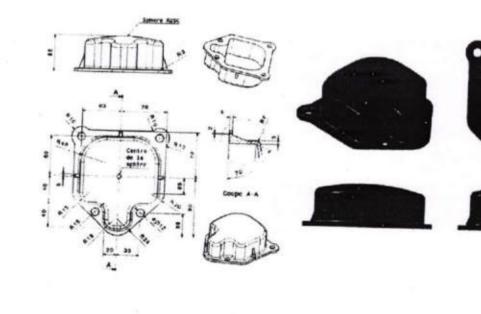
Year/Sem/Sec: \v

VII

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	15
2	SURFACE DESIGN	50	25
3	DETAILING	25	15
	TOTAL MARKS	100	55

Rev



PR NCIPAL, snowledge institute of Technology *akepalayam (PO) Seriem - 637 504



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: K. Poortagasan

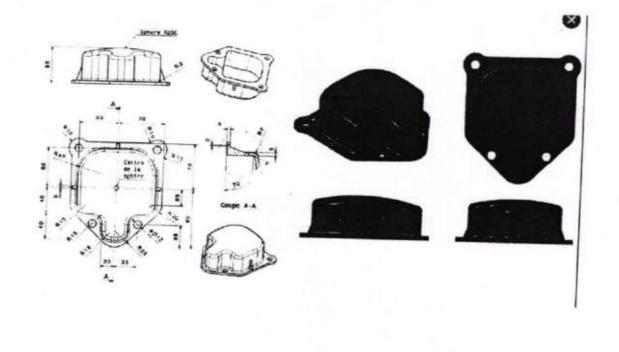
Reg. No: 611215114145

Year/Sem/Sec: IV IVII

(La

ASSESSMENT TEST

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



(PA) nowledge institute of Technology (akapalayam (PO) Selem - 637 504



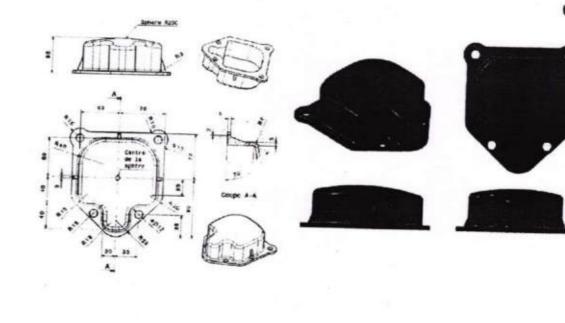
(pr

EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: Vignesh. R. Reg. No: 61215114220 Year/Sem/Sec: 1V 1V11

ASSESSMENT TEST

.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	20
2	SURFACE DESIGN	50	35
3	DETAILING	25	25
1	TOTAL MARKS	100	80





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

S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	В	611215114010	ARAVINTH N	IV/VII	65
2	Α	611215114012	ARUL PRAKASAM S R	IV/VII	80
3	В	611215114018	ASWIN PRASAD V	IV/VII	95
4	В	611215114019	BALAJI A.R	IV/VII	90
5	В	611215114030	DHAMOTHARAN S	IV/VII	90
6	В	611215114034	DHATCHINA MURTHI G	IV/VII	65
7	В	611215114035	DHEVA K	IV/VII	50
8	Α	611215114109	MANORANJAN P	IV/VII	95
9	А	611215114111	MEGATHESH R	IV/VII	55
10	А	611215114118	MOHANKUMAR M	IV/VII	70
11	Α	611215114126	MURALIMANOHAR S	IV/VII	75
12	А	611215114127	MURUGAVELU U K	IV/VII	90
13	Α	611215114132	NAGARAJ R	IV/VII	95
14	A	611215114133	NANDHAKUMAR E	IV/VII	60
15	D	611215114135	NIHALYA DEVI S S	IV/VII	55
16	В	611215114138	NIVESH B	IV/VII	85
17	D	611215114139	PADMANABAN M	IV/VII	70
18	В	611215114140	PARI ALAGHAN E	IV/VII	90
19	Α	611215114141	PARTHA SARATHY D	IV/VII	55
20	D	611215114144	PERIYASAMY C	IV/VII	80
21	Α	611215114145	POOVARASAN K	IV/VII	85
22	В	611215114147	PRABHU S	IV/VII	90
23	В	611215114148	PRADEEP C	IV/VII	So
24	D	611215114162	RAJKUMAR R K	IV/VII	,
25	D		RAMPRATHAP S	IV/VII	65
26	D	611215114168	RANJITHKUMAR R	IV/VII	75-
27	D	611215114171	REENA M	IV/VII	and the second
28	D	611215114172	ROHITH KUMAR R	IV/VII	90
29	D	States where the subscription of the state of the	SANTHASEELAN S	IV/VII	95
30	D	and a sub-sector to the sector	SATHISHKUMAR G	IV/VII IV/VII	80
31	D		SATHISH KUMAR R	IV/VII IV/VII	75
32	С		THIYAGARAJAN S	IV/VII IV/VII	15
33	С		VIGNESH V	IV/VII IV/VII	85
34	С		VIGNESH (22.06.1998) R	IV/VII IV/VII	80
35	С		VIGNESH (25.08.1998) R	IV/VII IV/VII	95

Anowledge Institute of Technology

36	C	611215114235	VIJAY S	IV/VII	75
37	С	611215114240	VINOTH KUMAR S	IV/VII	85
38	С	611215114241	VINOTHKUMAR (31.07.1998) S	IV/VII	70
39	С	611215114242	VISHAL V B	IV/VII	80
40	С	611215114308	DINESH N	IV/VII	90
41	С	611215114309	DINESH KUMAR S	IV/VII	ao
42	С	611215114310	ELANGOVAN V	III/VI	25

FACULTY INCHARGE

HOD



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to ASWINPRASAD.V (611215114018)

In recognition of sucessful completion of

FR NCIPAL, nowledge Institute of Technology fakabalavism (PO) Setem - 637 504

"Solid Modeling (Level-2) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanica

Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to MEGATHESH.R (611215114111)

In recognition of sucessful completion of

"Solid Modeling (Level-2) using NXCAD software"

PH NCIPAL. Inowledge institute of Technology *akapalayem (PO) Solem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel

HOD/Mechanical

Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to <u>NIVESH.B (611215114138)</u>

In recognition of sucessful completion of

"Solid Modeling (Level-2) using NXCAD software"

Ch NCIPAL, Snowledge Institute of Technology akapatayam (PO) Selem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical

Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to VIGNESH.V (611215114227)

In recognition of sucessful completion of

PH NLIPAL, nowiedge Institute of Technology Fekspalavam (#0) Selem - 637 504

"Solid Modeling (Level-2) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical

Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to DINESH.N (611215114308)

In recognition of sucessful completion of

"Solid Modeling (Level-2) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using NXCAD/CATIA software

Name: U.K. MURUGAVELD

Year/Sem/Sec: W IVI)

+

U. L. Musugavelle. Signature of the Candidate

PH NLIPAL.

nowiedge Institute of Technology *akspalavam (PO) Setem - 637 504



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using NXCAD/CATIA software

Name: A SWIN PRASAD. S.R.

Year/Sem/Sec: IV / VII

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

PR NCIPAL, snowledge institute of Technology *akspalavem (*O) Setem - 637 504

S. R. Agwin Prasad

Signature of the Candidate

	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department Of Mechanical Engineering
	FEEDBACK FORM-CERTIFICATE COURSE
Sol	id Modeling (Level-2) using NXCAD/CATIA software
Mana	Year/Sem/Sec: NUI

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

PR NCIPAL, snowledge Institute of Technology fakapalaysm (*O) Solem - 637 504

Signature of the Candidate



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using NXCAD/CATIA software Year/Sem/Sec: 11/11

Name:

S. VINOTHIGUMAR

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

PR NLIPAL

snowledge institute of Technology "akapalavsm (*O) Selem - 637 504

Signature of the Candidate

IVU

City Control of the second second	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department Of Mechanical Engineering
	FEEDBACK FORM-CERTIFICATE COURSE
Sol	id Modeling (Level-2) using NXCAD/CATIA software
Name: C. Per	

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Drafting and Detailing	-				
2	Generative Sheet metal Design		~			
3	Generative Shape Design			~		
4	Course content and Hands on Experience of CATIA V5		~			
5	Trainer Explanation level about this course			~	0	
6	Have you learned Shortcuts of the Tool					
7	Overall Experience about this course		1			
7	Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course tion for Improvement		1			

PR NCIPAL, snowledge institute of Technology Fakapalaysm (PO) Solom - 637 504

Signature of the Candidate



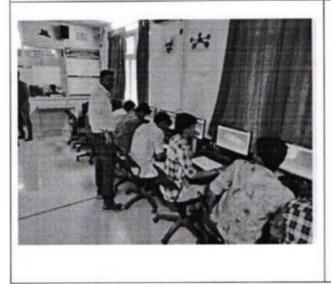
KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504

Approved by AICTE, Affiliated to Anna University, Chennai.

		Program / Event Conduc	
Name of the Program / H	Event	Solid Modeling (Level-	2) using CATIA & NXCAD software
Resource Person details		As	OSH & Mr.KV.RANGASAMY ssistant Professor, of Mechanical Engg. KIOT
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 102
Date, Time and Venue	16.07.2018-28.0 COE – CRCPD A-Block, KIOT.	Г,	

Description of the program

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





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

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

To

The Principal, Knowledge Institute of Technology, Salem

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

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

Thanking You

Salem

04.07.2018

Forwarded to the Polincipal.

Yours Faithfully . Drango

J.Prakash

FR NUIPAL snowledge Institute of Technology (akabalayam (PO) Selem - 637 504

	CIR	CULAR			
Circular No.		Date	04.07.2018		
То	IV-Year students				
Subject	Solid Modeling (Lev	el-2) using CATIA & NXCA	D software		
Circular issued by	Center of Excellence – CRCPDT & Designers Club, Department Mechanical Engineering.				

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 Solid Modeling (Level-2) using CATIA & NXCAD software for IV and III year students. Registered students are requested to attend the program as per the given schedule.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Solid Modeling (Level-2) using CATIA & NXCAD software	COE – CRCPDT, A-Block, KIOT. Advanced: 16.7.2018 to 28.07.2018	Mr.S.Santhosh Mr.K.V.Rangasamy AP, Mecahanical Engg. KIOT

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

J. Prang	
SENDER	PRINCIPAL

MECH	VP	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Trans- port	[Lineta]	Director /	Director / Placement	Resid Wa	iential Irden	College NB	Office / File		Security Office	квз	Recep
-	Onice										I/C		Training		LH	GH		1.110	tion	Unite		
•	•	•	•	•	•													•				

Checked by	Verified by the	
Principal office I/C	sender	

File :

1) Principal Office :

2) Concerned issuing department :

PH NGIPAL, snowledge Institute of Technology Yakapalayam (PO) Solem - 637 504

Certificate Course

on Solid Modeling (Level-2)

using CATIA software

16.07.2018 to 28.07.2018



and Konwhalge

Organized by Department of Mechanical Engineering

KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

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





About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE. New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC In the single window counselling (TNEA 2018) seats of KIOT were filled in 62nd position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs, KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

About the Department

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

Mission:

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

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Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.

Establish a continuous Industry Institute Interaction to make the students employable.

Inculcate the students leadership quality with ethical values and spirit of team work.

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

SYLLABUS

1.Introduction to CATIA V5

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

2.SKETCHER WORKBENCH

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

Operations, Corner, Chamfer, Projections, Transformations.

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

3.PART MODELING

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

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

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

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

4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.

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

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

5. DRAFTING AND DETAILING

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

dimensions. Stacked 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 Transformation tools. 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

PR NCIPAL. Inowledge Institute of Technology (akabalayam (PO) Seriem - 637 504

		227.02701/0222222		C OF TECHNOLOGY ical Engineering n			
Name of t	he COE		search Centre fo cumentation (CR	or Product Design, Digital I CPDT)	Manufacturing and		
Name of t	he 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		
		E	XECUTION SC	CHEDULE			
Module No.	-	Name of the	Module	No. of	Hours		
1	Introducti	on to CATIA V	5	C	02		
2	Sketcher	Workbench	the faith	0	16		
3	Part Mode	eling		1	2		
4	Assembly	Design		- 1	2		
5	Drafting a	and Detailing		0	98		
6	Generativ	e Sheet metal D	esign	1	2		
7	Generativ	e Shape Design		1	2		

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Name of t Duration:	he Course Module: 1.Introduction	Detailed Execution to CATIA V	tion Plan /5		
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	I		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
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 wise) Day 2
2.2	Constrains, Constrain dialogue box, Constrains, Fix together, Animate constrain, Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains, Sketch analysis Visualization tools, View tool bar, Workbench.	1	2	-	Day 3

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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,	1	2	-	Day 7

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	D	etailed Execu	tion Plan		
Name of the Duration:	he Course Module: 4. Assembly 12	Design			
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

Name of th Duration: (ne Course Module: 5. Drafting a	etailed Execu and Detailing	tion Plan		
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

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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
		etailed Execu	tion Plan		
Name of th Duration:	ne Course Module: 6. Generative 12	Sheet metal	Design		
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

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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

	E	Detailed Execu	tion Plan	1000	
Name of t Duration:	he Course Module: 7. Generati 12	ve Shape Desi	gn		
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, Extemum and Extemum 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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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE

NAME LIST

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

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35	В	611216114090	NAVEENKUMAR L	III/V
36	D	611216114096	NIRMAL GANESH C	III/V
37	С	611216114104	PRAKASH S	III/V
38	D	611216114110	PRAVEEN K M	III/V
39	В	611216114112	PRAVEEN S (24-11-1998)	III/V
40	В	611216114117	RAGUL S	III/V
41	С	611216114123	RAVIBHARATHI P	III/V
42	В	611216114125	RISHIKARAN S	III/V
43	С	611216114127	SADHEESH KUMAR N	III/V
44	С	611216114130	SANTHOSH V	III/V
45	С	611216114134	SATHEES KUMAR N	III/V
46	В	611216114139	SHANKAR M	III/V
47	С	611216114149	SUBASH M	III/V
48	В	611216114151	SUDHARSHAN V	III/V
49	С	611216114156	TAMILARASAN R	III/V
50	С	611216114160	THARUN P	III/V
51	D	611216114162	VIGNESH M	III/V
52	В	611216114303	ARUNKUMAR K	III/V
53	В	611216114304	ARUNKUMAR K	III/V
54	С	611216114318	GOWTHAM R	III/V
55	Α	611216114327	LOGESH T	III/V
56	С	611216114332	NANDHA KUMAR M	III/V
57	С	611216114339	PREM G	III/V
58	D	611216114349	SUBASH U	III/V
59	В	611216114352	SURIYAPRAKASH M	III/V
60	Α	611216114701	PREMKUMAR S	III/V

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE TRAINING ATTENDANCE SHEET (16.07.2018 to 28.07.2018)

S.NO	SEC	REG. NO	NAME	YEAR	24.07.2018	25.07.2018	26.07.2018	27.07.2018	28.07.2018
1	В	611216114006	ANILGUPTHA C A	III/V	1	1	1	1	1
2	D	611216114007	ARUN T	III/V	1	17	1	17	17
3	С	611216114008	ATHISWARAN SM	III/V	1	1	17		
4	A	611216114010	BHARATH N	III/V	1	11	15	1	1
5	Α	611216114014	CHENNAKRISHNAN C	III/V	12	1/	1/	1/	17
6	D	611216114017	DHARANI DHARAN S	III/V	1	17	1/	1/	17
7	D	611216114019	DHINESH KUMAR T	III/V	1	a	1/	17	1
8	В	611216114025	DINESH C	III/V	1	1	1	1	1
9	С	611216114027	DINESH M (21-01-1999)	III/V	1	17	17	17	1
10	Α	611216114029	DIVAAHARAN V	III/V	1	1	17	1	1
11	D	611216114031	DOMINIC SAVIO A	III/V	17	1	1	12	15
12	С	611216114032	ELANGKUMARAN S	III/V	1	1	17	17	1
13	В	611216114033	ELANGO S	III/V	1	1	1	1/	1
14	Α	611216114034	GIRITHARAN A	III/V	1	1	1	1	1
15	С	611216114035	GNANASURIYA RAJAN S	III/V	1	17	1	17	1
16	D	611216114036		III/V	1	17	a	1	
17	A	611216114037	and the second se	III/V	1	17	0	1	- /
18	D		GOKULPRASANTH M	III/V	1	1	1ª	1	4
19	С	Second and a second second second	GOKULRAJAN A J	III/V	- ,	5	12	5	
20	A	and the second second second second	GOWTHAM R	III/V		1	1	1	-
21	A	611216114045				1	1	-	1
22	Α	the second se	GOWTHAMRAJ V S	III/V		1	1	1	
23	С		GUNAPRASANTH B			1	1		4
24	D	The second s	HAMANTHRAJ K			1	1	1	
25	В	611216114056		III/V	1,	17	1	1	1
26	В	611216114059	and the second se			1		/	/
27	D	611216114071	LOGESH C	III/V	1,	1,	4		1
28	D		The second s	III/V	1	/	/	/	/
29	C		MOHANKUMAR L	III/V	/	1	/	1	1
30	C	the second s	NANDHAKUMAR S	III/V		/	4	/	/
31	A		NANDHAKUMAR V	III/V	1,	/	1	1	1
32	B		NANTHAKUMAR D	III/V	4	4	4	1	/
33	B		NARENDIRAN S	III/V	1,	1	/	/	1
34	D		NARESH KUMAR R	III/V	/	/	/	1	1
35	B		NAVEENKUMAR L	III/V	1	1	1	1	1
36	D			III/V	1	/	1	1	/
37	c	-	NIRMAL GANESH C	III/V	4	1	/	1	1
38	D		PRAKASHS	III/V	4	1	/	/	/
39	B	and the second se	PRAVEEN K M	III/V	/	/	1	/	1
40	B		PRAVEEN S (24-11-1998)	III/V	1	/	/	1	/
41	C		RAGULS	III/V	1	1	/	1	/
			RAVIBHARATHI P	III/V	1	1	1	/	/
42	B		RISHIKARAN S	III/V	1	1	/	1	1
43	C	611216114127 8	SADHEESH KUMAR N	III/V	1	1	1	7	/

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			Faculty Signature		R.	8	301	k.	L
		N	o. of Students Absent		-	1	2	-	00
_			o. of Students Present		60	59	58	60	60
50	A		PREMKUMAR S	III/V	1	1	4	1	-
59	В	611216114352	SURIYAPRAKASH M	III/V	1	1	-	-	-
58	D	611216114349	SUBASH U	III/V	1	1	1	-	-
57	С	the second se	PREM G	III/V	1	1	1	1	1
56	С	611216114332	NANDHA KUMAR M	III/V	1	1	1	1	1
55	A	611216114327	LOGESH T	III/V	17	1		1	1
54	С	the second se	GOWTHAM R	III/V	1	1	1	-	-
53	B	611216114304	ARUNKUMAR K	III/V	17	1	1	1	17
52	В	611216114303	ARUNKUMAR K	111/V	1	1	1	1	1
51	D	611216114162	VIGNESH M	III/V	1	1/	1	1	17
50	C	611216114160	THARUN P	III/V	17	17	1	15	1,
49	C	611216114156	TAMILARASAN R	III/V	1	1		1	
48	B	611216114151	SUDHARSHAN V	III/V	17	12	1	1	1
47	C	611216114149	SUBASH M	III/V	17	15	15	14	+ -
46	В	611216114139	SHANKAR M	III/V	17	1	1	1	1
45	C	611216114134	SATHEES KUMAR N	III/V	14	14	1	15	13
44	C	611216114130	SANTHOSH V	HI/V	11		1	11	1

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE TRAINING ATTENDANCE SHEET (16.07.2018 to 28.07.2018)

S.NO	SEC	REG. NO	NAME	YEAR	16.07.2018	17.07.2018	18.07.2018	19.07.2018	20.07.2018	23.07.2018
1	В	611216114006	ANILGUPTHA C A	III/V	1	11	1	1	1	
2	D	611216114007	ARUN T	III/V	1	1	1	1	1	
3	С	611216114008	ATHISWARAN SM	III/V	1	1	1	1	1	1
4	Α	611216114010	BHARATH N	III/V	1	11	1	1	1	17
5	А	611216114014	CHENNAKRISHNAN C	III/V	1	1	1	1	17	1
6	D	611216114017	DHARANI DHARAN S	III/V	1	1	1	1	1	
7	D	611216114019	DHINESH KUMAR T	III/V	1	1	1	1	1	
8	В	611216114025	DINESH C	III/V	1	1	5	1	1	
9	С	611216114027	DINESH M (21-01-1999)	III/V	1	1,	1	1	5	1
10	Α	and the second distances in the second	DIVAAHARAN V	III/V	1	1	1	í	í	1
11	D	611216114031	DOMINIC SAVIO A	III/V	1	1	1	1	1	5
12	С		ELANGKUMARAN S	III/V	1	1	1	1	1	1
13	В	611216114033		III/V	1	1,	1	1	1	F.
14	A	611216114034	GIRITHARAN A	III/V	',	1	1	1	+,	1
15	С		GNANASURIYA RAJAN S	III/V	1	5	1	1	-	1
16	D	611216114036		III/V	1	1	1		1	1
17	A	611216114037		III/V	· ·	1	1		1	1
18	D		GOKULPRASANTH M	111/V	1	á	1	1	-	-
19	С	the second s	GOKULRAJAN A J	III/V	1	1	1	1	1	- ;
20	A	611216114044		III/V	;	1	;	1	,	+
21	A	611216114045		III/V	1	1	1	,	-	-
22	A	and the second se	GOWTHAMRAJ V S	III/V	1	1	1	1	1	
23	С		GUNAPRASANTH B	III/V	1	1	1	1	,	- /
24	D		HAMANTHRAJ K	III/V	1	· ;	;	-		-
25	В	611216114056		III/V	1	1	1	1		;
26	В	611216114059		III/V	1	1	1	1	1	1
27	D	611216114071		III/V	',	1	1	1	-	-
28	D	the set of	MANIKANDAN E	III/V		1	1	á	-,	-
29	С		MOHANKUMAR L	III/V		· ·	-	n		
30	C		NANDHAKUMAR S	III/V		1	-	-		1
31	A		NANDHAKUMAR V	III/V	,	-				
32	В		NANTHAKUMAR D	III/V	1	1	1			
33	В	and the second se	NARENDIRAN S	III/V	"		-	-	-	
34	D		NARESH KUMAR R	III/V					/	4
35	В	the second se	NAVEENKUMAR L				-		4	/
36	D	the second s	NIRMAL GANESH C		-	-			/	1
37	C		PRAKASH S		-	/	4	1	-	
38	D		PRAVEEN K M	III/V	/			-	4	/
39	B		PRAVEEN S (24-11-1998)	III/V	/	-4		-	-	-
40	B		RAGUL S	III/V III/V				4	/	/
41	C		RAVIBHARATHI P		1	; -		/	4	1
42	B	the second s	RISHIKARAN S	III/V	1	/		1	1	1
43	C		SADHEESH KUMAR N	III/V	-	/	/	4	1	1
44	c		SANTHOSH V	III/V	1	/	4	/	/	/
	-	0.1210114150		III/V	/	/	/	1	/1	1

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46	B	611216114139	SHANKAR M	111/V	11	17	11	1	1 1	
47	С	611216114149	SUBASH M	III/V	17	17	1	1.	+	1
48	В	611216114151	SUDHARSHAN V		1;	1	1/-	+	16	1
49	С	611216114156	TAMILARASAN R	111/V	1,	1	17	1,	1	1
50	С	611216114160		111/V	+ /	1	1	1	1	-/
51	D	611216114162	VIGNESH M	III/V	1.	1 1	+	14	1	-
52	В	611216114303	ARUNKUMAR K	III/V	1 /	1 /	+	14	1	1
53	В	611216114304	ARUNKUMAR K	111/V	1	14	+ - /	1	14	1
54	С	611216114318	GOWTHAM R		1	1		1	1	-/
55	Α	611216114327	LOGESH T		1	1	1	1	1	1
56	С	611216114332	NANDHA KUMAR M		1	1	1	/	/	/
57	С	the second s	PREM G		/	-	1	1/	1	1
58	D	611216114349	SUBASH U		1	1	1	1	1	1
59	В	611216114352	SURIYAPRAKASH M	247.0	1	1	1	1	1	1
50	A		PREMKUMAR S	III/V		1	1	1	1	1
		and the second se	o. of Students Present	III/V	10	60	/	1	1	1
			lo. of Students Absent		60	59	00	59	60	bo
			Faculty Signature		P	0	-	1	-	-

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PH NLIPAL. nowledge Institute of Technology wapalayam (PO) 3etem - F



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: C. A. Anil bupther

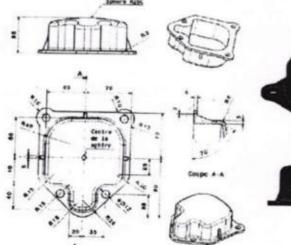
Reg. No: 611216114006

Year/Sem/Sec: 111

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ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	20
2	SURFACE DESIGN	50	35
3	DETAILING	25	20
	TOTAL MARKS	100	15







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PR NLIPAL. Anowledge Institute of Technology "at analayam (PO) Setem - 521

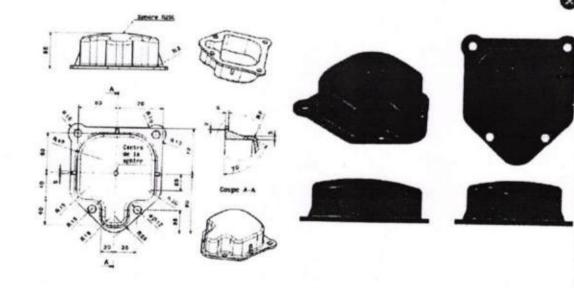


EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: Noveenkundo. L Reg. No: 612/6114090 Year/Sem/Sec: 111 V

ASSESSMENT TEST

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



PR NCIPAL, Anowiedge Institute of Technology Yakepalayam (PO) Selem - 637 504

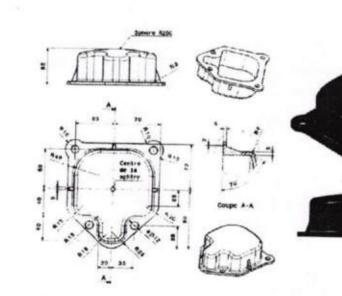


EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: C. Reg. no: GW21600006 Year/Sem/Sec: 11 2

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	25	20
2	SURFACE DESIGN	50	35
3	DETAILING	25	25
	TOTAL MARKS	100	80





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PR NCIPAL, Anowledge Institute of Technology Yakabalayam (PO) Setem - 637 504



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

Name: S. Parash . Reg. No:

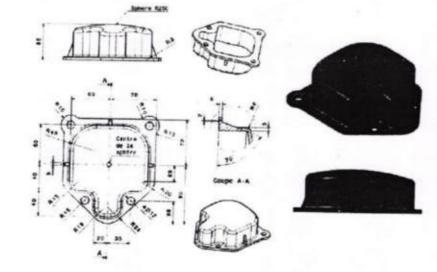
NO: GIR GILGEIDE

Year/Sem/Sec:

ASSESSMENT TEST

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





Anowledge Institute of Technology *akapalavam (PO) Solem - 637 504



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using CATIA & NXCAD software

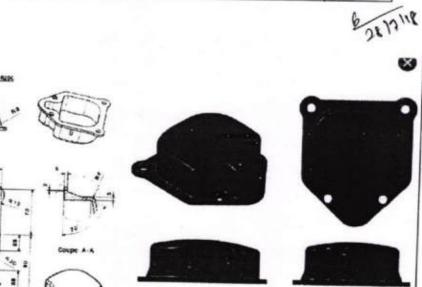
Name: PRANEEN.KM

Reg. No: 611216114110

Year/Sem/Sec:

ASSESSMENT TEST

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



PR NCIPAL, Anowledge Institute of Technology *akepalavem (PO) Solem - 637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-2) USING CATIA SOFTWARE EVALUATION MARKS

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

PR NCIPAL, snowledge Institute of Technology fakapalayam (PO) Solem - 637 504

35	В	611216114090	NAVEENKUMAR L	III/V	95
36	D	611216114096	NIRMAL GANESH C	III/V	80
37	С	611216114104	PRAKASH S	III/V	65
38	D	611216114110	PRAVEEN K M	III/V	90
39	В	611216114112	PRAVEEN S (24-11-1998)	III/V	65
40	В	611216114117	RAGUL S	III/V	60
41	С	611216114123	RAVIBHARATHI P	III/V	55
42	В	611216114125	RISHIKARAN S	III/V	95
43	С	611216114127	SADHEESH KUMAR N	III/V	90
44	С	611216114130	SANTHOSH V	III/V	90
45	С	611216114134	SATHEES KUMAR N	III/V	90
46	В	611216114139	SHANKAR M	III/V	65
47	С	611216114149	SUBASH M	III/V	TD
48	В	611216114151	SUDHARSHAN V	III/V	10
49	С	611216114156	TAMILARASAN R	III/V	85
50	С	611216114160	THARUN P	III/V	90
51	D	611216114162	VIGNESH M	III/V	95
52	В	611216114303	ARUNKUMAR K	III/V	80
53	В	611216114304	ARUNKUMAR K	III/V	85
54	С	611216114318	GOWTHAM R	III/V	65
55	A	611216114327	LOGESH T	III/V	60
56	С	611216114332	NANDHA KUMAR M	III/V	10
57	С	611216114339	PREM G	III/V	95
58	D	611216114349	SUBASH U	III/V	35
59	В	611216114352	SURIYAPRAKASH M	III/V	80
60	Α	611216114701	PREMKUMAR S	III/V	65

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HNCIPAL. Nowledge Institute of Technology Fakebalayam (PO) Salem - 637 504

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HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to DIVAAHARAN.V (611216114029)

In recognition of sucessful completion of

"Solid Modeling (Level-2) using CATIA software"

PR NLIPAL, Anowledge Institute of Technology Takapalayam (PO) Salem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to KARTHI.B (611216114056)

In recognition of sucessful completion of

"Solid Modeling (Level-2) using CATIA software"

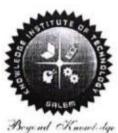
PR NCIPAL, Anowledge Institute of Technology akapalayam (PO) Salem - 637 Std

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techsery Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to LOGESH.C (611216114071)

In recognition of sucessful completion of

"Solid Modeling (Level-2) using CATIA software" Anowledge Institute of

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

0 Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to <u>RAVIBHARATHI.P (611216114123)</u>

In recognition of sucessful completion of

"Solid Modeling (Level-2) using CATIA software" unowledge Institute of Technology (Revel-2) using CATIA software" unowledge Institute of Technology (Revel-2) using CATIA software" unowledge Institute of Technology

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

6 Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techserv Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to <u>RISHIKARAN.S (611216114125)</u>

In recognition of sucessful completion of

"Solid Modeling (Level-2) using CATIA software"

PR NCIPAL, Anowledge Institute of Technology akapalayam (PO) Salem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 16.07.2018 to 28.07.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

R.Shankarnarayanan COO/Harita Techsery Limited



Year/Sem/Sec:

V

111

FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-2) using NXCAD/CATIA software

Name: S. NARENDIRAN

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

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

S. Neumann. Signature of the Candidate

Contractor	KNOWLED G De	E INSTITUTE OF TEC	CHNOI Engine	LOGY, SALEM
	FEEDBACK FO	ORM-CERTIFICATE C	COURS	SE
Sol	id Modeling (Lev	vel-2) using NXCAD/CA	TIA so	ftware
Name:	V. Aso	Year/Sem/Sec:	1 <u>i</u> i	V

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

Signature of the Candidate

PR NGIPAL. Anowiedge Institute of Technology Takapalayam (#O) Selem - 637 504

Contractor	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department Of Mechanical Engineering
	FEEDBACK FORM-CERTIFICATE COURSE
Sol	id Modeling (Level-2) using NXCAD/CATIA software
Name: M. Sc	Year/Sem/Sec: III I

List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Drafting and Detailing		V			
Generative Sheet metal Design			/		
Generative Shape Design		1			
Course content and Hands on Experience of CATIA V5			/		
Trainer Explanation level about this course					-
and worked out Industry Drawings	/				
Overall Experience about this course	1				
tion for Improvement					
	Drafting and Detailing Generative Sheet metal Design Generative Shape Design Course content and Hands on Experience of CATIA V5 Trainer Explanation level about this course Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course	Agree Drafting and Detailing Generative Sheet metal Design Generative Shape Design Course content and Hands on Experience of CATIA V5 Trainer Explanation level about this course Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course	Agree Drafting and Detailing Generative Sheet metal Design Generative Shape Design Generative Shape Design Course content and Hands on Experience of CATIA V5 Trainer Explanation level about this course Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course	Agree Drafting and Detailing Generative Sheet metal Design Generative Shape Design Course content and Hands on Experience of CATIA V5 Trainer Explanation level about this course Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course	Agree Drafting and Detailing Generative Sheet metal Design Generative Shape Design Generative Shape Design Course content and Hands on Experience of CATIA V5 Trainer Explanation level about this course Have you learned Shortcuts of the Tool and worked out Industry Drawings Overall Experience about this course

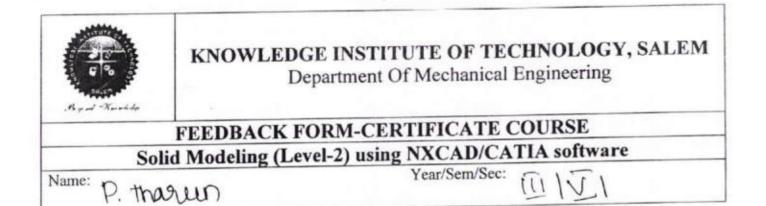
M. Saular

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Signature of the Candidate

N

PR NCIPAL, Anowledge Institute of Technology Yakapalayam (PO) Salem - 637 504



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

P. tharun.

Signature of the Candidate

PH NLIPAL Anowledge institute of Technology *akapalayem (*O) Salem - 637 504

Contraction of the second	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department Of Mechanical Engineering
	FEEDBACK FORM-CERTIFICATE COURSE
Sol	id Modeling (Level-2) using NXCAD/CATIA software
Name: CUBAG	SH.O.

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

Super O.

PR NCIPAL, Inowiedge Institute of Technology Vakapalavem (PO) Salem - 637 504



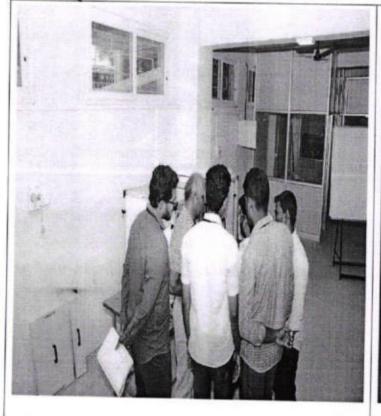
KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-

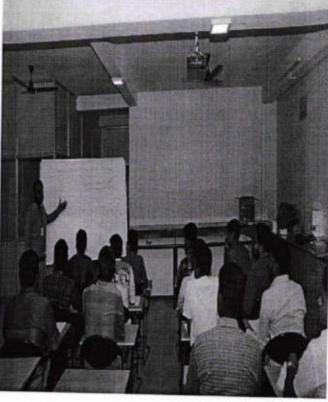
637504

DEPARTMENT OF MECHANICAL ENGINEERING

		REPORT (OF THE EVENT (Mod	ule:	3)
Date	:	09.08.2018 to 31.08.2018	Resource person	:	Mr.J.Ramesh Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
Time	:	05.00 pm to 07.00 pm & 30 Hours	Title	:	Ducting Design for all air HVAC system
Venue	:	A310, KIOT	No. of Participants	:	43

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





Encl: Circular / Brochure / Attendance Sheet

cipal,

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

	CIRCULAR		T.S.		
Circular No.	KIOT/MECH/IAPMO/2018-19/01	Date	30.07.2018		
То	All Faculty & Final year students of Mechanical Engineering				
Subject	Ducting Design for all Air HVAC System -	IAPMO - Certificatio	on Course - Reg.		
Circular issued by	IIK (IAPMO-India-KIOT) center				

We have planned to conduct, HVAC Training on **Ducting Design for all Air HVAC System** from 09.08.2018 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019).

Venue: A302.

Time: 05.00pm to 07.00pm

Encl: Name list of shortlisted students.

Hart	Bu
SENDER	PRINCIPAL

MECH	VP	CIVI	FF	FF	CE	CSE	S&H	PD	LIB	EMS	40	Trans- port	Hostel	Director /	Director / Placement		lential orden	College NB	Office / File	Class Circula-	Security Office	KBS	Recep tion
MECH	Office	L	1	1								I/C	(ND	Training		LH	GH			tion			
				T															•				
			1	t		-																	1

Checked by	Verified by the	
Principal office I/C	sender	

File :

- 1) Principal Office :
- 2) Concerned issuing department :

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

From

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

To

The Principal, Knowledge Institute of Technology, Salem.

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Ducting Design for all Air HVAC System -regarding

We have planned to conduct, HVAC Training on Ducting Design for all Air HVAC System from 09.08.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place: Salem

Date: 30.07.2018

(Hoolmeen)

Yours Faithfully

Vermilled

S.Surendar A

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2015-2019) AY: 2018-19 <u>NAME LIST</u>

S.No.	n: IV / VII Register Number	Student Name	Date:30.07.2018 Remarks
1.	611215114001	ABISHEK HUSSAIN J	
2.	611215114002	ABISHIEK B	
3.	611215114003	ADITHYA R	
4.	611215114004	ADITYA R	
5.	611215114011	ARULBALAJI S	
6.	611215114013	ARUNACHALAM K	
7.	611215114014	ARUNKUMAR P	
8.	611215114016	ASIK RAM K P	
9.	611215114027	CHANDRAPRAKASH K	
10.	611215114039	DINESH.P	
11.	611215114046	GOKUL S	
12.	611215114048	GOKULRAJ S	
13.	611215114050	GOPIKANNAN R	
14.	611215114051	GOVINDARAJ S	
15.	611215114079	KARTHIKEYAN M	
16.	611215114083	KAVIN T	
17.	611215114089	KESAVANATHAN B	
18.	611215114091	KIRUBA S	
19.	611215114092	KISHORE K	
20.	611215114093	LINGESH K	
21.	611215114094	LOGANADHAN R	
22.	611215114095	LOGESH J	
23.	611215114096	LOGESH M	
24.	611215114097	LOGESHWARAN S	
25.	611215114098	MADHANKUMAR C	and the second second
26.	611215114099	MADHAVANATH J M	
27.	611215114103	MANIKANDAN S	
28.	611215114104	MANISHKUMAR K	
29.	611215114105	MANO K	
30.	611215114108	MANOJ KUMAR S	
31.	611215114116	MOHAN A K	
32.	611215114119	MOHANKUMAR R	
33.	611215114121	MOHAN KUMAR A P	
34.	611215114123	MUGUNTHA ADITYA R	
35.	611215114124	MURALIR	
36.	611215114128	MUTHUKUMAR S	
37.	611215114136	NIRMAL S	
38.	611215114146	POTHIGAI SELVAN M	
39.	611215114192	SATHISH KUMAR C	
40.	611215114206	SRIRAM N	
41.	611215114218	TAMILSELVAN S	
42.	611215114244	WINSLETVASANTHRAAJ T S	
43.	611215114341	VENKATESHWARAN M	

FACULTY I/C

HOD/MECH

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

A.Y:2018-19	KNOWLEDGE INSTITUT Department of Mecha Course Plan (2	inical Engineering		.07.2018
Name of the COE	Course Finn (2	IAPMO-India - KIOT,		
Name of the Course		HVAC Design and Project Installation Engineer	Semester	07 & 08
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Ducting Design for all air HVAC system	Air terminal selection, Cold storage selection, Selection of Materials of Ducts, Primary and secondary pump selections Duct material selection, Selection of cooling tower Selection of Chillers, AHU and FCU classification and selection.	Mr.J.Ramesh, Mr.R.Isaac & Mr.S.Rajesh.	30	P
Cost Estimation for a Specific Project	Calculate Plant Tonnage, Develop Vendor Short List, Obtain Chiller Bid, Adjust for Other First-Cost Impacts, Estimate Utility Costs, Estimate Maintenance Costs, Calculate Life-cycle Costs, Final Chiller Selection	Mr.R.Isaac Mr.J.Ramesh & Mr.S.Surendar.	30	5.63
		Total No.of Hours	60	

	he Course Module: 3.Ducting Design for 30 hours	all air HVA	C system	-	-
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

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

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

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

9.2 FACULTY I/C

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/Academic Year/SEM: 2018-19/ ODD Date: 30. 08. 20%

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c. The structure will develop low humidity levels in the cooling season and high humidity in the winter. d. Equipment will last longer and require less energy to operate due to the shorter run time. 18. When the temperatures of a structure both inside and outside are equal, there is a. no heat transfer b. latent heat transfer to the outside c. thermal heat transfer of sensible heatd. 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 The ability to fractionate d. no temperature glide 21. What is a carbon footprint? a. The carbon deposits from burning gasoline. b. The amount of carbon dioxide that is produced to support your lifestyle. c. The amount of carbon in the atmosphere produced by the world's lifestyle. d. The amount of carbon in the stratosphere. 22. What is energy management? a. A rule that the total amount of energy stays constant in an isolated system over time. b. Recovering energy lost while using mechanical equipment. c. Reading the electric and fuel gas meters every month. 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 24. Process of changing solid into vapour state without passing through liquid state is: (d) air distribution (b) sublimation 25. -Amount of heat required to raise the temperature of one unit of substance through 1 degree is called: 26. The COP of a domestic air conditioning in comparison to domestic refrigerator will be: Lat Specific heat (b) less tetmore (d) depends upon weather conditions 27. Solenoid valve is operated: lat electrically (b) by hand (c) by gas pressure 28. Subcooling is a process of cooling the refrigerant in vapour compression refrigeration system before: (b) Phrottling (c) condensation 29. Pump down the system for: (d) compression (a) more cooling effect to check compressor efficiency (c) gas charging (d) to attend maintenance in low side 30. A thermostatic expansion valve function with (a) suction pressure (b) discharge pressure (c) discharge temperature (d) suction temperature 31. The colour of the flame of halide torch in case of leakage of Freon refrigerant will change t: -tcTBright green 32. Liquid charged in thermostatic expansion valves sensing bulb is: (d) blue (a) alcohol 45 same refrigerant (c) mercury 33. The oil used with 134A refrigerant is: (d) nitrogen (a) mineral oil (b) capilla d -tc/polyol ester oil 34. 26-The difference between DBT and WBT is called: (d) lubricating oil Lat 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 36. Which type of valve is used in a reciprocating refrigeration compressor? (c) hydrometer -tdt/hygrometer (a) rotary valve (b) poppet valve 37. The capacity of visible cooler is expressed in: (c) ring plate (d) glob valve (a) cubic feet +5) litres (c) k.cal/tr 38. Chemical name of Freon 22 is (d) tons of refrigeration Principal, (a) dichloro difluoro methane

+157 monochloro difluoro methane

Knowledge Institute of Technology - clovam (Po) Salem-637 54

(d) dichloro monofluoro methane (c) trichloro monofluoro methane 39. Which of the following refrigerant has the lowest boiling point? (b) ammonia K) hydrogen (d) freon 12 (a) carbon dioxide 40. Auto defrost is operated by (c) timer watch (d) heating element +6) thermostat (a) evaporator fan 41. The absolute zero temperature corresponds on the condition when (b) volume of a gas reduces to zero (a) all the substances exit only as solids (d) no pressure is exerted by the gas Let Rinetic energy of gas molecules becomes zero 42. Sum of atmospheric pressure and gauge pressure is called (b) absolute pressure (c) normal pressure (d) natural pressure (a) total pressure 43. The effectiveness of the cooling tower is dependent on: (b) direction of the flow of air barding bulb temperature of the air (c) wet bulb temperature of the air (d) none of the above 44. One micron of vaccum is equal to (d) 0.0001 mm hg tet 0.001 mm hg (b) 0.01 mm hg (a) 0.1 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 (d) rheostat -tc) thermostat (a) transformer (b) thermister 47. 40-The specific humidity is the mass of water vapour present in Td) 1 kg of wet air (c) 1 m3 of wet air (b) 1 m3 of dry air (a) 1 kg of dry air 48. In psychrometric chart, specific humidity lines are: (d) curved lines -t5) horizontal (c) inclined (a) vertical 49. Accumulator is provided for (b) exchange of heat lat storing of liquid refrigerant (c) storing of unvaporized liquid (d) condensing gas 50. Oil separator if fitted in between (b) on the suction line (a) condenser and evaporator (d) at the receiver outlet Let compressor and condenser

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2. The safety ground conductor for A/C circuit is usually color coded a. red .b. green

c. black d. white

3. Heat which causes a change in temperature of a substance is called:

a. latent heat. Jonsensible heat. c. superheat. d. regular heat.

4. What is heat, which causes a change in the state of a material without a change in temperature, called? a. Latent heat b. Sensible heat c. Superheat d. Regular heat

5. What is a sling psychrometer used to measure?

a. Latent heat b. Super heat . Wet and dry bulb temperature d. Barometric pressure 6. A compressor is operating with a discharge pressure of 235.3 psig and a suction pressure of 35.3 psig. What is the compression ratio (pumping ratio)?

a. 10:1 b. 8:1 .7:1 d. 5:1

7. In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:

a, ensure proper oil return. B. ensure that frost does not accumulate.

c. sub-cool the compressor. d. operate at high efficiency.

8. An thermal expansion valve that is stuck wide open will cause

a. low suction pressure (b.)a flooded evaporator

c. excessive superheat d. a starved evaporator

9. What is the major difference between a heat pump and an air conditioner?

a. Condenser b. Thermostatic expansion valve

c. Evaporator AReversing valve

10. What device controls the supplementary electric heat according to the outdoor temperature?

a. Auxiliary temperature control b. Outdoor auxiliary thermostat

c. Outdoor ambient thermostat d.Indoor thermostat only

11. Which of the following is not a factor that should be considered when installing an outdoor unit?

a. Return air b. Wind factors c. Sound transmission d. Snow fall

12. What is the minimum clearance for access panels on an outdoor condensing unit?

a. 36 inches _____30 inches c. 15 inches d. 10 inches

13. One BTU is the amount of heat required to raise the temperature of:

brone pound of water one-degree Fahrenheit. a. one pound of ice one-degree Fahrenheit.

c. one gallon of water one-degree Fahrenheit. d. one gallon of water eight degrees Fahrenheit.

14. what is the primary composition of natural gas?

a. 65 percent methane b. 75 percent methane c. 85 percent methane d. 85 percent methane

15. The electric heat element is usually made of what material?

b. Nickel with a cadmium coating a. Copper with a brass coating

d?Nickel and chromium c. Nickel and steel

16. Which of the following is an example of a resistive load?

c. Transformer d. Motor あ)Crankcase heater a. Bimetal switch

17. An oversized heating and cooling system can cause which of the following?

a. Operating cost and relative humidity in the structure will decrease significantly alavam (Po), Salem-637 504

b. Moisture damage to a furnace heat exchanger and inadequate humidity removal during cooling

cycles.



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c. The structure will develop low humidity levels in the cooling season and high humidity in the winter. d. Equipment will last longer and require less energy to operate due to the shorter run time. 18. When the temperatures of a structure both inside and outside are equal, there is A. Patent heat transfer to the outside c. thermal heat transfer of sensible heatd. 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 gethe ability to fractionate d. no temperature glide 21. What is a carbon footprint? a. The carbon deposits from burning gasoline. The amount of carbon dioxide that is produced to support your lifestyle. c. The amount of carbon in the atmosphere produced by the world's lifestyle. d. The amount of carbon in the stratosphere. 22. What is energy management? a. A rule that the total amount of energy stays constant in an isolated system over time. b. Recovering energy lost while using mechanical equipment. 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 24. Process of changing solid into vapour state without passing through liquid state is: (d) air distribution Ab Sublimation 25. -Amount of heat required to raise the temperature of one unit of substance through 1 degree is called: 26. The COP of a domestic air conditioning in comparison to domestic refrigerator will be: fet more (d) depends upon weather conditions 27. Solenoid valve is operated: ahelectrically (b) by hand (c) by gas pressure 28. Subcooling is a process of cooling the refrigerant in vapour compression refrigeration system before: (b) throttling (c) condensation 29. Pump down the system for: (d) compression (a) more cooling effect ,HTTPo check compressor efficiency (c) gas charging (d) to attend maintenance in low side 30. A thermostatic expansion valve function with (a) suction pressure 16 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 t: fet fright green 32. Liquid charged in thermostatic expansion valves sensing bulb is: (d) blue (a) alcohol (b) same refrigerant det mercury 33. The oil used with 134A refrigerant is: (d) nitrogen (a) mineral oil (b) capilla d to Polyol ester oil 34. 26-The difference between DBT and WBT is called: (d) lubricating oil [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 36. Which type of valve is used in a reciprocating refrigeration compressor? +th Bygrometer Hoppoppet valve 37. The capacity of visible cooler is expressed in: (c) ring plate (d) glob valve (a) cubic feet 45 Plitres (c) k.cal/tr 38. Chemical name of Freon 22 is (d) tons of refrigeration Knowledge Institute of Technology (a) dichloro difluoro methane analavam (Po), Salem-637 504 (b) monochloro difluoro methane

(d) dichloro monofluoro methane (c) trichloro 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 (c) timer watch (d) heating element (a))evaporator fan (b) thermostat 41. The absolute zero temperature corresponds on the condition when (b) volume of a gas reduces to zero (a) all the substances exit only as solids (e) kinetic energy of gas molecules becomes zero (d) no pressure is exerted by the gas 42. Sum of atmospheric pressure and gauge pressure is called (d) natural pressure (d) natural pressure (a) total pressure 43. The effectiveness of the cooling tower is dependent on: (b) direction of the flow of air (a) dry bulb temperature of the air (d) none of the above wet bulb temperature of the air 44. One micron of vaccum is equal to (d) 0.0001 mm hg +00.001 mm hg (b) 0.01 mm hg (a) 0.1 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 (d) rheostat (c) thermostat (a) transformer (b) thermister 47. 40-The specific humidity is the mass of water vapour present in (d) Tkg of wet air (b) 1 m3 of dry air (c) 1 m3 of wet air (a) 1 kg of dry air 48. In psychrometric chart, specific humidity lines are: (d) curved lines (b) horizontal (c) inclined APrentical 49. Accumulator is provided for (b) exchange of heat Val storing of liquid refrigerant (c) storing of unvaporized liquid (d) condensing gas 50. Oil separator if fitted in between (b) on the suction line (a) condenser and evaporator

(c) compressor and condenser

(d) at the receiver outlet

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	ANSWER	ALL THE OUE	TIONS-(50X01=	50)		

1. What is the symbol for impedance?

a.R b.1 .Z d.P

The safety ground conductor for A/C circuit is usually color coded ______

a. red b. green c. black d. white

3. Heat which causes a change in temperature of a substance is called:

a. latent heat. b. sensible heat. c. superheat. d. regular heat.

4. What is heat, which causes a change in the state of a material without a change in temperature, called?

5. What is a sling psychrometer used to measure?

a. 10:1 b. 8:1 c. 7:1 d. 5:1

7. In a (direct expansion) evaporator, liquid refrigerant must boil away as close to the end of the coil as possible in order to:

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a. low suction pressure dr. a flooded evaporator

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FACULTY I/C

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

HOD/MECH

	KNOWLEDGE INSTITUTE OF TECHNOLOGY
	DEPARTMENT OF MECHANICAL ENGINEERING
Subject N	IAPMO-India – KIOT, Centre of Excellence
Subject Name	Ducting Design for all air HVAC system
Name of the Student	Dinesh.p
Register No	611215114039
Date	4/9/2018 Duration 60 Minutes Max.Marks 50
Faculty Name	Marks Awarded
S.S.REMDAR	
Faculty Signature	32 THREE IND
8424	
	ANSWER ALL THE QUESTIONS-(50X01=50)
1. What is the symbol fo	
TALEN OF THE PARTY	x.Z d.P
	nductor for A/C circuit is usually color coded
a. red _b: greer	
	change in temperature of a substance is called:
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FACULTY I/C

HOD/MECH

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

		ICAL ENGINI	ELIMITO	
IAPMO-India	- KIOT, Cen	tre of Excellen	ce	
Ducting Design fo	r all air HV	AC system		
Kavin T				
611215114083	5			
4/9/2018	Duration	60 Minutes	Max.Marks	50
Marks Awarded				
D B		TAR	er Ez	(inc
	Ducting Design for Kavin T 6(12)5114083 4/9/2018 Marks Awarded	Ducting Design for all air HV Kavin T 6(12)5114083 4/9/2018 Duration Marks Awarded	Ducting Design for all air HVAC system Kavin T 6(12)5114083 4/9/20/8 Duration 60 Minutes Marks Awarded	Kavin T 611215114083 4/9/2018 Duration 60 Minutes Max.Marks Marks Awarded

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(d) glob valve

the monochloro difluoro methane

(d) dichloro monofluoro methane (c) trichloro monofluoro methane 39. Which of the following refrigerant has the lowest boiling point? (b) ammonia No hydrogen (d) freon 12 (a) carbon dioxide 40. Auto defrost is operated by (c) timer watch (d) heating element Val evaporator fan (b) thermostat 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 (d) no pressure is exerted by the gas ver kinetic energy of gas molecules becomes zero 42. Sum of atmospheric pressure and gauge pressure is called (b) absolute pressure (c) normal pressure (d) natural pressure (a) total pressure 43. The effectiveness of the cooling tower is dependent on: (b) direction of the flow of air (a) dry bulb temperature of the air (d) none of the above (t) wet bulb temperature of the air 44. One micron of vaccum is equal to N/0.001 mm hg (d) 0.0001 mm hg (b) 0.01 mm hg (a) 0.1 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 (d) rheostat (c) thermostat 47. 40-The specific humidity is the mass of water vapour present in NH 1 kg of wet air (c) 1 m3 of wet air (b) 1 m3 of dry air (a) 1 kg of dry air 48. In psychrometric chart, specific humidity lines are: (d) curved lines (b) horizontal (c) inclined la vertical 49. Accumulator is provided for (b) exchange of heat lay storing of liquid refrigerant (c) storing of unvaporized liquid (d) condensing gas 50. Oil separator if fitted in between (b) on the suction line (a) condenser and evaporator e compressor and condenser (d) at the receiver outlet

FACULTY I/C

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2015-2019) AY: 2018-19

Ducting Design for all Air HVAC System – Mark Statement Max.Marks:50

real/se	m: IV / VII		Mart	Date:07.09.20
S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611215114001	ABISHEK HUSSAIN J	36	PASS
2.	611215114002	ABISHIEK B	37	PASS
3.	611215114003	ADITHYA R	41	PASS
4.	611215114004	ADITYA R	30	PASS
5.	611215114011	ARULBALAJI S	29	PASS
6.	611215114013	ARUNACHALAM K	36	PASS
7.	611215114014	ARUNKUMAR P	41	PASS
8.	611215114016	ASIK RAM K P	28	PASS
9.	611215114027	CHANDRAPRAKASH K	27	PASS
10.	611215114039	DINESH.P	32	PASS
11.	611215114046	GOKUL S	31	PASS
12.	611215114048	GOKULRAJ S	35	PASS
13.	611215114050	GOPIKANNAN R	45	PASS
14.	611215114051	GOVINDARAJ S	40	PASS
15.	611215114079	KARTHIKEYAN M	36	PASS
16.	611215114083	KAVIN T	38	PASS
17.	611215114089	KESAVANATHAN B	31	PASS
18.	611215114091	KIRUBA S	45	PASS
19.	611215114092	KISHORE K	41	PASS
20.	611215114093	LINGESH K	30	PASS
21.	611215114094	LOGANADHAN R	29	PASS
22.	611215114095	LOGESH J	28	PASS
23.	611215114096	LOGESH M	27	PASS
24.	611215114097	LOGESHWARAN S	32	PASS
25.	611215114098	MADHANKUMAR C	30	PASS
26.	611215114099	MADHAVANATHJM	35	PASS
27.	611215114103	MANIKANDAN S	45	PASS
28.	611215114104	MANISHKUMAR K	32	PASS
29.	611215114105	MANO K	30	PASS
30.	611215114108	MANOJ KUMAR S	35	PASS
31.	611215114116	MOHAN A K	33	PASS
32.	611215114119	MOHANKUMAR R	36	PASS
33.	611215114121	MOHAN KUMAR A P	36	PASS
34.	611215114123	MUGUNTHA ADITYA R	38	PASS
35.	611215114124	MURALIR	41	PASS
36.	611215114128	MUTHUKUMAR S	29	PASS
37.	611215114136	NIRMAL S	28	PASS
38.	611215114146	POTHIGAI SELVAN M	27	PASS
39.	611215114192	SATHISH KUMAR C	27	PASS
40.	611215114206	SRIRAMN	32	PASS
41.	611215114218	TAMILSELVAN S	30	PASS
42.	611215114244	WINSLETVASANTHRAAJ T S	35	PASS
43.	611215114341	VENKATESHWARAN M	45	PASS

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

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology			-1		
2	About training handled by faculty		-1			
3	About Practical Session		~			
4	About Industries Practice				-1	
5	Knowledge Beyond the syllabus	1			1.1	
6	Overall Experience about this course		~			
Sugg	gestion for Improvement:					
			- 1	4 .	1 :	-
	- rload	more	incl	istaces	peacti	<u> </u>

Student Signature:

Knowledge Institute of Technology

Abduek B [ABISHEK.B]



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly agree	Agree	Neutral	Date: 31/ Disagree	Strongly disagree
1	About Teaching Methodology			\frown		
2	About training handled by faculty		~			
3	About Practical Session	1.1	~			
4	About Industries Practice			\sim		
5	Knowledge Beyond the syllabus		~			
6	Overall Experience about this course			1		
	- Industrial N - live time	isit i proch	s noe	Sassian	is need	l .

M mapai,

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



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Date: 31 - 0 Disagree	Strongly disagree
1	About Teaching Methodology		V			
2	About training handled by faculty			~		
3	About Practical Session			V		
4	About Industries Practice			V		
5	Knowledge Beyond the syllabus		V			
6	Overall Experience about this course		~			
	> Need LR.	re Vicat	ical se	scion p		

Enhicipal, Knowledge institute of Technology

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

Acad	emic Year: 2018-19				Date: 3) /8	2018
		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology	5				
2	About training handled by faculty	E E	1			
3	About Practical Session		2			
4	About Industries Practice	5	-			-
5	Knowledge Beyond the syllabus	5				
6	Overall Experience about this course	/	2			
	* Nexal More inc * Nexal More f	dufficial vi Practical	siAs 3essiong.			
S	tudent Signature: Dhg	lif (Dinesh J	<i>?</i>).		

Knowledge Institute of Technolog Kakapalavam (Po), Salem-637 5



1

FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly agree	Agree	Neutral	Disagree	' Strongly disagree	
1	About Teaching Methodology		~				
2	About training handled by faculty			~			
3	About Practical Session		~				
4	About Industries Practice		V				
5	Knowledge Beyond the syllabus			V			
6	Overall Experience about this course			V			

Suggestion for Improvement:

More industrial experience was needed. Improve trandling faculty. teaching.

(Kavin T (Kavin T)

Student Signature:

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





Certificate of Completion This certificate is awarded to ARUNKUMAR P (611215114014)

In recognition of sucessful completion of

"Ducting Design for all Air HVAC System"

Conducted by "IIK-Center" from 09.08.2018 to 31.08.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

Principal, Knowledge Institute of Technology

Principal





Certificate of Completion This certificate is awarded to GOVINDARAJ S (611215114051)

In recognition of sucessful completion of

"Ducting Design for all Air HVAC System"

Conducted by "IIK-Center" from 09.08.2018 to 31.08.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



Ennoipal, Knowledge Institute of Technology Lanatavam (Po), Salem-637 50/

Principal





Certificate of Completion This certificate is awarded to KIRUBA S (611215114091)

In recognition of sucessful completion of

"Ducting Design for all Air HVAC System"

Conducted by "IIK-Center" from 09.08.2018 to 31.08.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

Principal, Knowledge Institute of Technology

Principal





Certificate of Completion This certificate is awarded to MURALI R (611215114124)

In recognition of sucessful completion of

"Ducting Design for all Air HVAC System"

Conducted by "IIK-Center" from 09.08.2018 to 31.08.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

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

Principal





Certificate of Completion This certificate is awarded to SATHISHKUMAR C (611215114192)

In recognition of sucessful completion of

"Ducting Design for all Air HVAC System"

Conducted by "IIK-Center" from 09.08.2018 to 31.08.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

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

Principal

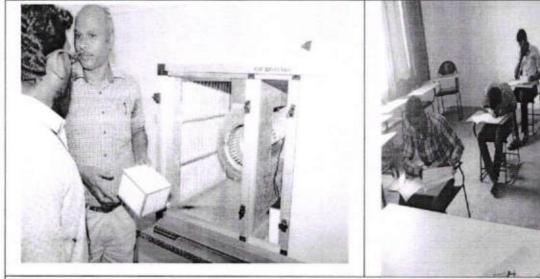


KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF THE EVENT (Module:1)

Date	:	03.09.2018 to 25.09.2018	Resource person	:	Mr.S.Surendar Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
Time & Duration	:	05.00 pm to 07.00 pm & 30 Hours	Title	:	Design of Practical HVAC System
Venue	:	A 310, KIOT	No. of Participants	:	42

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



Encl: Circular / Brochure / Attendance Sheet

cipal. Knowledge Institute of Technolog) Kakapalavam (Po), Salem-637 604

From

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

То

The Principal, Knowledge Institute of Technology, Salem.

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Design of Practical HVAC System -regarding

We have planned to conduct, HVAC Training on Design of Practical HVAC System from 03.09.2018 for final year mechanical engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place: Salem

Date:29.08.2018

(HOD / MECH)

Yours Faithfully

81071 S.Surendar AP/Mech

Permitted

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504

CIRCULAR									
Circular No.	KIOT/MECH/IAPMO/2018-19/03 Date 29.								
То	All Faculty & Third year students of Mechan	ical Engineering							
Subject	Design of Practical HVAC System - IAPMC) - Certification Cour	se - Reg.						
Circular issued by	IIK (IAPMO-India-KIOT) center								

We have planned to conduct, HVAC Training on Design of Practical HVAC System from 03.09.2018 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019).

Venue: A310

Time: 05.00pm to 07.00pm

Encl: Name list of shortlisted students.

Nout	1m
SENDER	PRINCIPAL

MECH	VP	CIVI	CIVI L EEE ECE CSE S&H PD LIB EMS AO Trans- Director / Placement UC Director / Placement	t NR	port NR	port NR	port NR	NB	NB Director /	ctor / Placement		Sirector / Placement	Residential Warden		College NB	Office / File	Circula-	Security Office		Reception
	Office	L.					I/C	1.10	Training		LH	GH		• ***	tion		-			
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											1									

	Verified by the	
ice I/C	sender	
ice I/C	sender	

File :

1) Principal Office :

2) Concerned issuing department :

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2016 - 20) AY: 2018-19 Design of Practical HVAC System – Mark Statement

S.No.	Register Number	Student Name	Remarks
1.	611216114009	BASKAR N	
2.	611216114012	BLESSY JEYAPAULINE J	
3.	611216114015	DEEPAK KUMAR V M	
4.	611216114016	DEVAKRISHNA K	
5.	611216114020	DHUKILAN S	
6.	611216114021	DHYANESHKANNA R	
7.	611216114024	DINAKARAN S	
8.	611216114028	DINESHKUMAR T	
9.	611216114030	DIVAKAR P	
10.	611216114038	GOKULNATH S	
11.	611216114040	GOKULRAJ P	
12.	611216114049	HARISH B	
13.	611216114050	HARI VENKATESH Y	
14.	611216114053	JAWAHARBALAJI S	
15.	611216114054	JEEVARAJAN M	
16.	611216114055	JOSHUA JACOB S	
17.	611216114057	KARTHICK M	
18.	611216114058	KARTHICK R	
19.	611216114060	KARTHICK RAJA K	
20.	611216114061	KARTHIKEYAN M	
21.	611216114062	KARTHIKEYAN S	
22.	611216114063	KARTHIKRAJA A	
23.	611216114064	KATHIRVEL C	
24.	611216114069	KISHOR KUMAR K	
25.	611216114075	MANISOWDESVAR J	
26.	611216114092	NAVEENPRAKASH S	
27.	611216114098	PAUL SIMON THEKKANATH	
28.	611216114100	PAVITHRAN K	
29.	611216114101	POOVENTHAN J	
30.	611216114102	PRADEEP S	
31.	611216114105	PRAKASH T	
32.	611216114108	PRASANTH D	
33.	611216114111	PRAVEEN M E	
34.	611216114128	SAIGIRISH O E	
35.	611216114129	SAKTHIM	
36.	611216114172	VINOTH KUMAR K	
37.	611216114308	DINESH KUMAR P	
38.	611216114321	HARI SURYA S	
39.	611216114331	NAGAPPAN N	
10.	611216114346	SELLADURAIR	
11.	611216114351	SURENTHAR R	
2.		VISWAJITH S	

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HOD/MECH

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

A.Y: 2018-19	KNOWLEDGE INSTITUT Department of Mecha Course Plan (20	nical Engineering	Date:	31.08.2018				
Name of the COE:		IAPMO-India - KIOT, Centre of Excellence						
Name of the Course:		HVAC Design and Project Installation Engineer	Semester	05 & 06				
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature				
Design of Practical HVAC System	Fundamental and scope of HVAC, Mode of heat transfer, Standards, Refrigeration cycle, Component of A/C, Refrigerants and types, Study of AC system, Study of Psychrometric, Classification of Air-Conditioning System & Sub systems in AC.	Mr.S.Surendar & Mr.S.M.Gowtham	30	622				
Components sizing and selection for chilled water type HVAC system	Orientation of Building, To Read Latitude & Location of building, Difference for wall, glass, Roof and Partition, Cooling and Heat Load Calculation, Calculation of sensible Heat Factor ADP and Dehumidified CFM, Cooling Load Calculation, Chilled water system & Equipment Selection	Mr.S.Rajesh & Mr.J.Ramesh	30	CP/				
		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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1.8	Study of AC system	2		5	Day 8
1.9	Study of Psychrometric	2	-	-	Day 9
1.10	Study of Psychrometric	2	-		Day 10
1.11	Study of Psychrometric	1		1	Day 11
1.12	Classification of Air-Conditioning System	2			Day 12
1.13	Classification of Air-Conditioning System	2			Day 13
1.14	Classification of Air-Conditioning System	2		-	Day 14
1.15	Sub systems in AC	2			Day 15

Detailed Execution Plan

Name of the Course Module: 2. Components sizing and selection for chilled water type HVAC Duration: 30 hours

Duration, 50 nours		system				
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)	
2.1	Air terminal selection	2	-	-	Day 1	
2.2	Air terminal selection	1	-	I	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	

9.6

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

KNOWI TOGE INSTITUTE OF TECHNOLOGY, SALF -637504 DEPARTMENT OF MECHANICAL ENGINEERING

CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2016-20 /

Design of Practical HVAC System

/ Academic Year/ SEM: 2018-19 / ODD

Date: 25.09, 2018

2.00	Reg.No	Name of the student	Year/Sem	03. 09. 2018	04.09.2018	05.09.2018	06.09.2018	07.09.2018	10.09.2018	11.09.2018	12.09.2018	14.09.2018	17.09.2018	18.09.2018	19, 09, 2018	20.09.2018	24, 09, 2018	25, 09, 2018
1.	611216114009	BASKAR N	IH/V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.	611216114012	BLESSY JEYAPAULINE J	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.	611216114015	DEEPAK KUMAR V M	UI / V	1	1	1	1	1	,	1	1	1	1	1	1	1	1	1
4.	611216114016	DEVAKRISHNA K	III/V	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1
5.	611216114020	DHUKILAN S	III / V	1	1	1	1	1	1	,	1	1	1	1	1	1	5	1
6.	611216114021	DHYANESHKANNA R	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7.	611216114024	DINAKARAN S	III / V	,	1	1	1	1	1	1	a	1	-/-	1	1	1	1	1
8.	611216114028	DINESHKUMAR T	III / V	1	1	,	1	1	1	1	1	,	4	1	1	1	1	-
9.	611216114030	DIVAKAR P	III / V	1.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10.	611216114038	GOKULNATH S	III / V	1	1	1	1	1	1	1	1	1	1	1	,	1	1	
11.	611216114040	GOKULRAJ P	III / V	1	1	1	1	1	1	1	1	,	1	1	1	1	-	
12.	611216114049	HARISH B	III / V	1	1	1	a	1	1	1	1	1	1	1	1	1	1	1
13.	611216114050	HARI VENKATESH Y	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14.	611216114053	JAWAHARBALAJI S	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15.	611216114054	JEEVARAJAN M	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	a	1
16.	611216114055	JOSHUA JACOB S	III / V	,	. 1	1	1	1	1	1	1	1	1	1	1	1	,	1
17.	611216114057	KARTHICK M	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18.	611216114058	KARTHICK R	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19.	611216114060	KARTHICK RAJA K	III / V	1	a	1	1	1	1	1	1	1	1	1	1	1	1	1
20.	611216114061	KARTHIKEYAN M	III / V	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21.	611216114062	KARTHIKEYAN S	III / V	,	1	1	1	1	1	1	1	PM	1	1	1	1	1	1
22.	611216114063	KARTHIKRAJA A	III / V	1	1	1	1	1	1	1	1	Phnc	Dar	1	1	1	1	

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

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			12			39.	38.	37.	36.	35.	34.	33.	32	31,	30.	29.	28,	27.	26.	25.	24,	
			611216114359	6112	6112	6112	6112	6112	6112	6113		611	611			-			-			t
			16114	611216114351	611216114346	16114	611216114321	611216114308	611216114172	611216114129	611216114128	21611	611216114108	611216114105	611216114102	611216114101	2161	2161	12161	12161	12161	
			-			611216114331 NAGAPPAN N				4129	4128	611216114111	4108	4105	4102	14101	611216114100	611216114098	611216114092	611216114075	611216114069	
			VISWAJITH S	SURENTHAR R	SELLADURAI R	NAG/	HARI SURYA S	DINESH KUMAR P	VINOTH KUMAR K	SAKTHI M	SAIC	PRAVEEN M E	PRA	PRA	PRA	POO	PAV	PAU	NA	MA	KIS	
			AJITH	NTHA	ADUR	APPA	SUR	SH KI	TH K	THI M	SAIGIRISH O E	VEEN	PRASANTH D	PRAKASH T	PRADEEP S	POOVENTHAN J	PAVITHRAN K	C SIMO	VEEN	OSIN	KISHOR KUMAR K	
	No.	No.	S	RR	ALR	Z	S V/	JMAI	UMA		OE	ME	HD	T	S	HAN	ANK	NTHE	PRAK	WDES	KUM/	
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y Sign	No. of Students Absent	No. of Students Present	=	-	-	-	-	_	-	_		-						-	S	-		
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(A) Function of temperature (B) Physical property of a substance

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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

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23. According to Dalton's law of partial pressures, (where pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour)

 $(A) Pb = pa - pv (B) Pb = pa + pv (C) Pb = pa \times pv (D) Pb = pa/pv$ 24. Heat transfer takes place as per (D) Pb = pa/pv

(A) Teroth law of thermodynamics (B) First law of thermodynamics (C) Second law of thermodynamics (D) Kirchaffs Law

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 $(ATQ = 2\pi kr1 r2 (T1 - T2)/(r2 - r1)$ (B) Q = $4\pi kr1 r2 (T1 - T2)/(r2 - r1)$

(C) $Q = 6\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$ (D) $Q = 8\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$

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(A) kJ A. (d1/dx)
 (B) k. A. (dx/dT)
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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 as heat transfer by

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32. Which of the following is a law of thermodynamics? (A)Heat is a form of matter.

(B)Heat moves toward a place with higher intensity. (C)Heat moves toward a place with lower intensity.

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(D)Heat moves toward a place with a higher temperature.

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(A125 (C)10 (D)15 (B)5 34. What is the amount of heat energy required to evaporate 1 pound of water? (C) 770 btu (D)970 btu (B)-570 btu (A)370 btu 35. In an air conditioning and refrigeration system, what occurs in a condenser? (B)The refrigerant releases the latent heat. (A)The refrigerant absorbs the latent heat. HDTLatent heat is increased. (C)Latent heat is pressurized. 36. In Fahrenheit, the boiling point of water is (B)112 degrees (C)212 degrees (D)221 degrees (A)100 degrees 37. Ice exerts pressure (D)In all directions torbownwards (A)Upwards (B) Laterally 38. Pressure is usually measured in _____ (B) Pressure per square foot (A)Pounds per square foot (D) Pressure per square inch (C)Pounds per square inch the pressure on a liquid. 39. Vaporization can be increased by _____ (c) 能ducing (B) Equalizing (A)Increasing 40. Pressure on the high pressure side of a mechanical refrigeration unit is called _ (B) Discharge or head pressure (A)Suction pressure (D) Absolute pressure (C) Differential | pressure 41. Dry bulb temperature is the temperature of air recorded by a thermometer, when ATR is not affected by the moisture present in the air (B) Its bulb is surrounded by a wet cloth exposed to the air (D) None of the above (C) The moisture present in it begins to condense 42. In refrigerators, the temperature difference between the evaporating refrigerant and the medium being cooled should be (b) As low as possible (3 to 11°C) (C) Zero (D) Any value (A) High, of the order of 25° 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 (etCow 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 bf 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. (D) None of these (C) More (A) Same _HBY Less 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 ter Equal to critical temperature n (D) none of the above 49. The capacity of a domestic refrigerator is in the range of (D) 5 to 7 TR (AT 0.1 to 0.3 TR (B) 1 to 3 TR (C) 3 to 5 TR 50. The lowest thermal diffusivity is of 40 Rubber (A) Iron (B) Lead (C) Aluminium

CULTY I/C

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ANSWER ALL THE QUESTIONS-(50X01=50)

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Chowledge Institute of Technology Cekapalayam (Po). Salem-637 504

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FACULTY I/C

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FACULTY I/C

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

HOD/MECH

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	DEPARTMENT C	F MECHAN	ICAL ENGIN	EERING	
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Subject Name	Design of Practic	al HVAC S	vstem		
Name of the Student	Saigarish	DE			
Register No	6/12/6/14/1				
Date	01/10/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded				
S. Sufferidak Faculty Signature	31		1466	E SUI	

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	DEPARTMENT O	F MECHAN	ICAL ENGIN	FERING	
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Subject Name	Design of Practic	and the second			
Name of the Student	HARI SURYA	and a second	(5) (5)		
Register No	6112161143				
Date	1/10/2018	Duration	60 Minutes	Max.Marks	50
Faculty Name	Marks Awarded			-	
Faculty Signature	31		TRAFE	e m	245

ANSWER ALL THE QUESTIONS-(50X01=50)

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2016 - 20) AY: 2018-19 Design of Practical HVAC System – Mark Statement

Max.Marks: 50 Date: 04.10.2018

S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611216114009	BASKAR N	35	PASS
2.	611216114012	BLESSY JEYAPAULINE J	43	PASS
3.	611216114015	DEEPAK KUMAR V M	37	PASS
4.	611216114016	DEVAKRISHNA K	41	PASS
5.	611216114020	DHUKILAN S	40	PASS
6.	611216114021	DHYANESHKANNA R	35	PASS
7.	611216114024	DINAKARAN S	38	PASS
8.	611216114028	DINESHKUMAR T	29	PASS
9.	611216114030	DIVAKAR P	27	PASS
10.	611216114038	GOKULNATH S	33	PASS
11.	611216114040	GOKULRAJ P	31	PASS
12.	611216114049	HARISH B	38	PASS
13.	611216114050	HARI VENKATESH Y	43	PASS
14.	611216114053	JAWAHARBALAJI S	41	PASS
15.	611216114054	JEEVARAJAN M	36	PASS
16.	611216114055	JOSHUA JACOB S	33	PASS
17.	611216114057	KARTHICK M	40	PASS
18.	611216114058	KARTHICK R	43	PASS
19.	611216114060	KARTHICK RAJA K	39	PASS
20.	611216114061	KARTHIKEYAN M	38	PASS
21.	611216114062	KARTHIKEYAN S	29	PASS
22.	611216114063	KARTHIKRAJA A	28	PASS
23.	611216114064	KATHIRVEL C	29	PASS
24.	611216114069	KISHOR KUMAR K	32	PASS
25.	611216114075	MANISOWDESVAR J	31	PASS
26.	611216114092	NAVEENPRAKASH S	32	PASS
27.	611216114098	PAUL SIMON THEKKANATH	45	PASS
28.	611216114100	PAVITHRAN K	41	PASS
29.	611216114101	POOVENTHAN J	36	PASS
30.	611216114102	PRADEEP S	37	PASS
31.	611216114105	PRAKASH T	33	PASS
32.	611216114108	PRASANTH D	39	PASS
33.	611216114111	PRAVEEN M E	34	PASS
34.	611216114128	SAIGIRISH O E	31	PASS
35.	611216114129	SAKTHI M	43	PASS
36.	611216114172	VINOTH KUMAR K	40	PASS
37.	611216114308	DINESH KUMAR P	39	PASS
38.	611216114321	HARI SURYA S	32	PASS
39.	611216114331	NAGAPPAN N	29	PASS
40.	611216114346	SELLADURAI R	27	PASS
41.	611216114351	SURENTHAR R	36	PASS
42.	611216114359	VISWAJITH S	43	PASS

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

FACULTY I/C

4.040 HOD/MECH

PRINCIPAL Principal,

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



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

cau	emic Year: 2018-19	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		-			
2	About training handled by faculty			-		
3	About Practical Session	~				
4	About Industries Practice	1				
5	Knowledge Beyond the syllabus		1			
6	Overall Experience about this course			-		
	- Nood n	noso f	pactic	ral So	ssion.	
		3. t/ca	d		-	

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



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly agree	Agree	Neutral	Date: 25 Disagree	Strongly disagree
1	About Teaching Methodology			1		
2	About training handled by faculty		~			
3	About Practical Session	~				
4	About Industries Practice			-7		
5	Knowledge Beyond the syllabus			5		
6	Overall Experience about this course					
	- Real time proce - Industrial Visi	file is t is	need.			

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



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly agree	Agree	Neutral	Date: <i>3</i> 5・0 Disagree	Strongly disagree
1	About Teaching Methodology			V		
2	About training handled by faculty		~			
3	About Practical Session		~			
4	About Industries Practice		~			
5	Knowledge Beyond the syllabus			1		
6	Overall Experience about this course		~			
	=> Need move	Roctics	J Sessio	PN		
	> Need move	Industr	icul Visit	F.		

Principal, Knowledge Institute of Technology

Kakapalayam (Po), Salem-637 50



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Date: 25/ Disagree	Strongly disagree
1	About Teaching Methodology		\checkmark			
2	About training handled by faculty		V			
3	About Practical Session			V		
4	About Industries Practice			~		
5	Knowledge Beyond the syllabus		~			
6	Overall Experience about this course			~		
2	i) Need more pro					

Principal, KRewteage Institute of Technology <akaoalavam (Po), Salem-637 504



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Date: 25 Disagree	Strongly
1	About Teaching Methodology		~			
2	About training handled by faculty	V				
3	About Practical Session			V		
4	About Industries Practice		V		-	
5	Knowledge Beyond the syllabus		V			
6	Overall Experience about this course			~		
	More Practice Real time e oy	xerience	-āho	needed		
	udent Signature:			ri Surya	2	

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





Certificate of Completion This certificate is awarded to BASKAR N (611216114009)

In recognition of sucessful completion of

"Design of Practical HVAC System"

Conducted by "IIK-Center" from 03.09.2018 to 25.09.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



Knowledge Institute of Technology onalayam (Po) Salam-837 50

Principal



HOD/Mech

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



Certificate of Completion This certificate is awarded to DIVAKAR P (611216114030)

In recognition of sucessful completion of

"Design of Practical HVAC System"

Conducted by "IIK-Center" from 03.09.2018 to 25.09.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

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

Principal





Certificate of Completion This certificate is awarded to HARISH B (611216114049)

In recognition of sucessful completion of

"Design of Practical HVAC System"

Conducted by "IIK-Center" from 03.09.2018 to 25.09.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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

Principal





Certificate of Completion This certificate is awarded to KARTHICK R (611216114058)

In recognition of sucessful completion of

"Design of Practical HVAC System"

Conducted by "IIK-Center" from 03.09.2018 to 25.09.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

Principal, Knewledge Institute of Technology, (https://www.edu.org/10.5.2004) (https://www.edu.org/10.5.2004)

Principal





Certificate of Completion This certificate is awarded to MANISOWDESVAR J (611216114075)

In recognition of sucessful completion of

"Design of Practical HVAC System"

Conducted by "IIK-Center" from 03.09.2018 to 25.09.2018 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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Principal



KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504

Approved by AICTE, Affiliated to Anna University, Chennai.

	Report of	Program / Event Conduc	eted			
Name of the Program / H	Event	Solid Modeling (Level-	1) using CATIA & NXCAD software			
Resource Person details		MrS.SANTHOSH & Mr. Mr.K.V.RANGASAMY Assistant Professor, Dept. of Mechanical Engg. KIOT				
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 94			
Date, Time and Venue	22.01.2019-05.0 COE – CRCPD A-Block, KIOT.	Г,				

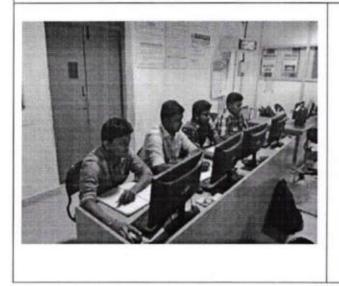
Description of the program

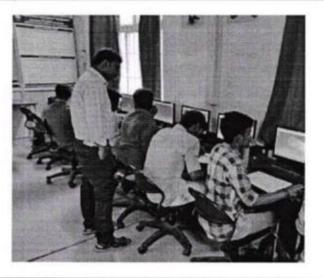
 He discussed about 4 features of CATIA & NXCAD software. It contains CATIA & NXCAD basic level.

2. He explained about Introduction sketcher workbench, part modeling and assembly design.

3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).

4. He shared his personal experiences and difficulties he faced in his Industrial Career.





Principal, Knowledge Institute of Technolo: Kakapalayam (Po), Salem-637

From

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

То

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-1) using CATIA & NXCAD software. In this regard, I request your permission to execute the Certificate course for Mechanical Engineering students.

Thanking You

Salem

09.01.2019

Forwarded to the Principal

Yours Faithfully

9. Tran

per mitted Im

Anowledge Institute of Tachnology Akapalayam (#O) Salem - 637 504

	OWLEDGE INSTITUTE C		EM - 637 504		
	CIRC	ULAR			
Circular No.		Date	09.01.2019		
То	IV-Year students				
Subject	Solid Modeling (Level-1) using CATIA & NXCAD software				
Circular issued by	Center of Excellence – CRCPDT & Designers Club, Department of Mechanical Engineering.				

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 Solid Modeling (Level-1) using CATIA & NXCAD software for III and II year students. Registered students are requested to attend the program as per the given schedule.

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. 22.01.2019 TO 05.02.2019	Mr.S.Santhosh Mr.K.V.Rangasamy AP, Mecahanical Engg. KIOT			

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

J ... Faculty I/c HOD PRINCIPAL

snowledge Institute of Technology *akapalavam (=0) Salem - 637 504

Certificate Course

on Solid Modeling (Level-1)

using NXCAD software

22.01.2019 to 05.02.2019



Organized by Department of Mechanical Engineering

KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

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

in association with





About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC In the single window counselling (TNEA 2018) seats of KIOT were filled in 62nd position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs. Research Centres and COEs. KIOT faculty have published 200+ papers in conference and 250- Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

About the Department

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

Mission:

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

CR NUIPAL, snowledge institute of Technology (akapalayem (PO) Salem - 637 504 • Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.

• Establish a continuous Industry Institute Interaction to make the students employable.

 Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E Industrial Safety Engineering 82 Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. Dr.K.Visagavel, The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techserv Pvt. Ltd. and IAPMO (International Association of Plumbing and Mechanical Officials).

SYLLABUS

1.Introduction to NXCAD V5

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

2.SKETCHER WORKBENCH

Basic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points, Operations, Corner, Chamfer, Projections, Transformations.

Constrains. Constrain dialogue box. Constrains. Fix together. Animate constrain. Edit multi constrain, Sketch tools, Grid, Snap on grid, Construction. Geometrical constrains, Dimensional constrains., Sketch analysis Visualization tools, View tool bar, Workbench. **3.PART MODELING**

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

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

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

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

4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly. Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.

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

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

5. DRAFTING AND DETAILING

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

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

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE

NAME LIST

S.NO	SEC	REG. NO	NAME	YEAR	Remarks
1	A	611216114004	ANBALAGAN P	III/VI	
2	В	611216114011	BHARATHI SHANKAR P	III/VI	
3	С	611216114023	DILIP V	III/VI	
4	С	611216114051	ILAYARAJA E	III/VI	
5	А	611216114052	IRSHAD AHMED S	III/VI	
6	С	611216114065	KEERTHIVASAN S	III/VI	
7	А	611216114066	KIRUPA SHANKAR V	III/VI	
8	А	611216114068	KISHOREKANNA R	III/VI	
9	С	611216114070	LINKESHWARAN H	III/VI	
10	А	611216114072	MADHANKUMAR G	III/VI	
11	В	611216114078	MOULEESWAR M	III/VI	
12	В	611216114079	MOUNRAJ P	III/VI	
13	Α	611216114080	MOUREESWARAN M	III/VI	
14	С	611216114081	NAGARAJAN S	III/VI	
15	А	611216114087	NAVANEETHA KRISHNAN S R	III/VI	
16	В	611216114088	NAVEEN S	III/VI	
17	Α	611216114089	NAVEENKUMAR B	III/VI	
18	Α	611216114093	NAVEENPRASATH L	III/VI	
19	Α	611216114094	NAVEENRAJ N	III/VI	
20	В	611216114095	NAVINRAJ N	III/VI	
21	А	611216114097	PARAMESWARAN M	III/VI	
22	С	611216114099	PAVITHRA K	III/VI	
23	С	611216114106	PRANESH C	III/VI	
24	С	611216114107	PRANESH D	III/VI	
25	В	611216114114	PRAVEEN KUMAR S	III/VI	
26	В	611216114115	PREMNATH C M	III/VI	
27	С	611216114116	RAGHAVI SHRI N.V	III/VI	
28	В	611216114119	RAJESH M	III/VI	
29	В	611216114122	RAVANTH R	III/VI	
30	В	611216114124	RINISHKUMAR L	III/VI	
31	С	611216114138	SENTHIL V	III/VI	
32	С	611216114140	SHANKAR V	III/VI	
33	D	611216114177	YUGESH KUMAR B	III/VI	
34	D	611216114302	ARAVINDKUMAR P	III/VI	
35	D	611216114309	DINESH KUMAR S	III/VI	

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36	D	611216114312	GIRISHANKAR M	III/VI
37	D	611216114315	GOKUL RAJ S	III/VI
38	D	611216114319	GOWTHAMAN K M	III/VI
39	D	611216114324	LAWRANCE M	III/VI
40	D	611216114342	SANJAY G M	III/VI
41	D	611216114348	SENTHILNATHAN B R	III/VI
42	D	611216114353	TAMILARASU R	III/VI

ADA-1-

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PR NCIPAL, Anowledge Institute of Technology Yakabalayam (PQ) Salem - 63 - 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE TRAINING ATTENDANCE SHEET (22.01.2019 to 05.02.2019)

			les and a second and a second a se				- 1	_		
S.NO	SEC	REG. NO	NAME	YEAR	22.01.2019	23.01.2019	24.01.2019	25.01.2019	28.01.2019	29.01.2019
1	A	611216114004	ANBALAGAN P	III/VI	1	1	1	1	1	
2	В	611216114011	BHARATHI SHANKAR P	III/VI	1	1	1	1	1	-
3	C	611216114023	DILIP V	III/VI	1	1,	1	1	17	_
4	С	611216114051	ILAYARAJA E	III/VI	1	1	1	1	1	1
5	Α	611216114052	IRSHAD AHMED S	III/VI	1	1	1	1	1	1
6	С	611216114065	KEERTHIVASAN S	III/VI	1	1	1	1	1	11
7	Α	611216114066	KIRUPA SHANKAR V	III/VI	1	1	1	1	1	17
8	A	611216114068	KISHOREKANNA R	III/VI	1	1	1	1	1	1
9	С	611216114070	LINKESHWARAN H	III/VI	1	1	17	1	1	1
10	Α	611216114072	MADHANKUMAR G	III/VI	1	1	1	1	11	
11	В	611216114078	MOULEESWAR M	III/VI	1	1	1	1	17	17
12	В	611216114079	MOUNRAJ P	III/VI	17	17	17	1	1	17
13	Α	611216114080	MOUREESWARAN M	III/VI	1	1	17	1	1	17
14	С	611216114081	NAGARAJAN S	III/VI	1	1	1	1	1	1
15	A	611216114087	NAVANEETHA KRISHNAN S R	III/VI	a		1	1	17	
16	В	611216114088		III/VI	1	1	1	5	1,	17
17	A	611216114089	NAVEENKUMAR B	III/VI	1	17	à	1	1	1
18	A		NAVEENPRASATH L	III/VI	1	1	1	12	1	1,
19	Α	a second s	NAVEENRAJ N	III/VI	1	1	1	1	17	17
20	В	611216114095		III/VI	1.	15	1	1	1	1
21	Α		PARAMESWARAN M	III/VI	15	15	-	1	1	1
22	C	611216114099		111/VI	17	17	1	1	1	1
23	C	611216114106	PRANESH C	111/VI	1,	1	-	1	1,	1
24	С	611216114107	PRANESH D	111/VI	5	1	10	1.	1	1
25	В		PRAVEEN KUMAR S	III/VI		1	1	1	1	1
26	В		PREMNATH C M		1	5	17	1	19	1
27	C		RAGHAVI SHRI N.V	III/VI	-	1	1	1	17	1
28	В	611216114119		III/VI		17	5	-	1	-
29	B	611216114122	the design of the second s	III/VI	1	1	1	1	1	1
30	B		RINISHKUMAR L	III/VI	-	1	1	1	1	1
31	C		SENTHIL V	III/VI	1	17	17	1	1	1
32	C	the second se	SHANKAR V		/	-	1	1	1	1
33	D	the second se	YUGESH KUMAR B		/	-	5	1	(1
34	D		ARAVINDKUMAR P	III/VI	a	-		-	(1
35	D		DINESH KUMAR S	III/VI	/	/	1	/	1	1
36	D		GIRISHANKAR M		/	1	/	1.	/	1
37	D	and the second se	GOKUL RAJ S		+		1	1	a	1
38	D		GOWTHAMAN K M				(1	1	1
39	D		AWRANCE M	III/VI	1	-	/	1	1	4
40	D		SANJAY G M	III/VI		-	1	1	4	1
41	D			III/VI	1	/	/	/	-	/
42	D	the second se	SENTHILNATHAN B R	III/VI	1	1	1	/	/	1
**	0		AMILARASU R	III/VI	1	1	1	1	1	1
		and the second	of Students Present				40	A2_	AO	42
		NO	of Students Absent		02		02		02	-

Dant.

FACULTY INCHARGE

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PR NCIPAL, Anowledge Institute of Technology Fakapalayam (PO) Salem - 637 HOD MECHANICAL

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE TRAINING ATTENDANCE SHEET (22.01.2019 to 05.02.2019)

S.NO	SEC	REG. NO	NAME	YEAF	30.01.2019	31.01.2019	01.02.2019	04.02.2019	05.02.2019
1	Α	611216114004	ANBALAGAN P	III/VI	1	1	1	1	1
2	B	611216114011	BHARATHI SHANKAR P	III/VI	17	1	1	1	1
3	C	611216114023	DILIP V	III/VI	1/	1	1	1	1
4	C	611216114051	ILAYARAJA E	III/VI	1/	1	1	1	1
5	Α	611216114052	IRSHAD AHMED S	III/VI	1	1	1	11	1/
6	C	611216114065	KEERTHIVASAN S	III/VI	17	1	1	1	1
7	Α	611216114066	KIRUPA SHANKAR V	III/VI	1	1	1	1	1
8	Α	611216114068	KISHOREKANNA R	III/VI	1	1	1	1	1
9	С	611216114070	LINKESHWARAN H	III/VI	17	1	1	1	1
10	A	611216114072	MADHANKUMAR G	III/VI	1	17	1	1	1
11	В	611216114078	MOULEESWAR M	III/VI	a	11	1	1	11
12	В	611216114079	MOUNRAJ P	III/VI	17	1	1	1	1
13	Α	611216114080	MOUREESWARAN M	III/VI	1	1	1	1	1
14	С	611216114081	NAGARAJAN S	III/VI	1	1	V	1	1
15	Α	611216114087	NAVANEETHA KRISHNAN S R	III/VI	1	1	1	1	1
16	В	611216114088	NAVEEN S	III/VI	1	1	1	11	1
17	Α	611216114089	NAVEENKUMAR B	III/VI	1	1	1	1	1
18	Α	611216114093	NAVEENPRASATH L	III/VI	17	1	1	1	1
19	Α	611216114094	NAVEENRAJ N	III/VI	1	1	1	1	1
20	В	611216114095	NAVINRAJ N	111/VI	1	17	1	1	1
21	Α	611216114097	PARAMESWARAN M	III/VI	a	1	17	1	1
22	С	611216114099	PAVITHRA K	III/VI	1	1	1	1	1
23	С	611216114106	PRANESH C	III/VI	17	1	1	1	1
24	C	611216114107	PRANESH D	III/VI	1	1	1	17	12
25	В	611216114114	PRAVEEN KUMAR S	III/VI	1	1	17	17	17
26	В	611216114115	PREMNATH C M	III/VI	17	17	1	1	17
27	С	611216114116	RAGHAVI SHRI N.V	III/VI	1	1	1	1	1
28	В	611216114119	RAJESH M	111/VI	1	1	1	5	1
29	В	611216114122	RAVANTHR	III/VI	1	5	5	1	1
30	В	611216114124	RINISHKUMAR L	III/VI	1	1	1	1	1
31	C	611216114138	SENTHIL V	III/VI	12	1	1	1	1
32	C	611216114140	SHANKAR V	III/VI	17	1	17	1	1
33	D	611216114177	YUGESH KUMAR B	III/VI	1	1	1	1	1
34	D	and the second se	ARAVINDKUMAR P	III/VI	5	1	1	1	5
35	D	and the second se	DINESH KUMAR S	III/VI	1	1	1	2	1
36	D	611216114312	GIRISHANKAR M	III/VI	5		1	1	5
37	D		GOKUL RAJ S	III/VI	,	5	5	1	1
38	D		GOWTHAMAN K M	III/VI	1	1	1	5	1
39	D		LAWRANCE M	III/VI	1	5	á	1	-
40	D		SANJAY G M	III/VI	1	1	1	-	-
41	D		SENTHILNATHAN B R	III/VI	1	-		-	-
42	D		TAMILARASU R	III/VI	1	-	1	-	
		the second se	of Students Present	Innvi	AO	42	AI	110	42
			o. of Students Absent		2	44	41	HL	AC
			Faculty Signature		2	2	Pm	2	2

PRIMT . FACULTY INCHARGE

PR NCIPAL, knowledge Institute of Technology *akapalayam (PO) Salem - 637 504 HOD MECHANICAL



EVALUATION FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA & NXCAD software Reg. No:

Name: S. ISHADAHNED

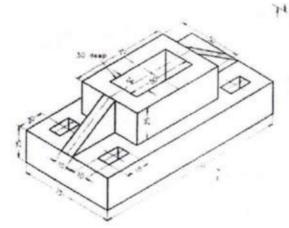
611216114050

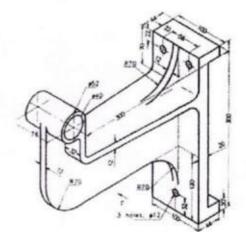
Year/Sem/Sec: III

vi

ASSESSMENT TEST

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





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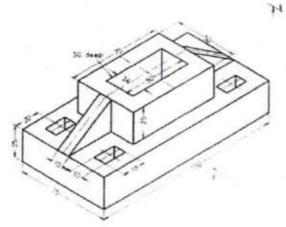


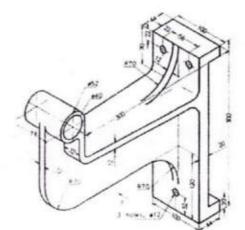
EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software

Year/Sem/Sec: 111 Kippastankag Reg. No: 611216114066 Name: IVI

ASSESSMENT TEST

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





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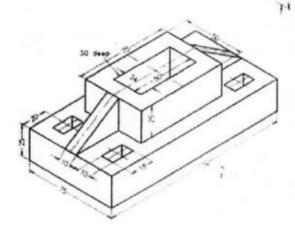


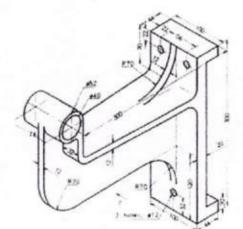
EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software Reg. No: Augusto 10070, Year/Sem/Sec: W. WI

Name: GT. Nochan Ruman Reg. No: 6421644072

ASSESSMENT TEST

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





Anowledge in rakepalayam (PO)



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software

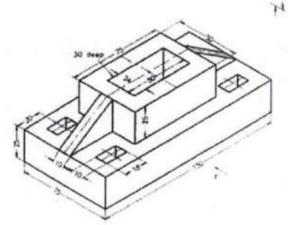
Name: NavioRaj. N

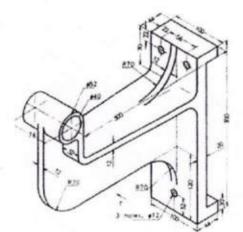
Reg. No: 611216114095

Year/Sem/Sec: 11 \VI

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	35
2	PART-B (PART DESIGN)	50	35
	TOTAL MARKS	100	70





anowledge institute of Technology "akapalayam (PO) Salem - 637

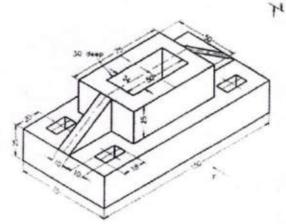


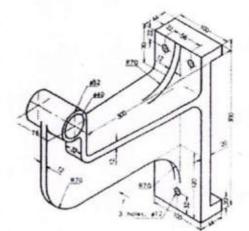
EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software

Name: poarmesungan. M Reg. No: bw26114097 Year/Sem/Sec: 111/1

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	60
2	PART-B (PART DESIGN)	50	AD
	TOTAL MARKS	100	90





Anowledge Institute of Technology (akapalavam (#O) Salem - 537 sn/

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING NXCAD SOFTWARE

EVALUATION MARKS

05.02.19

			LIALOATION MAR		03.02.1
S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	A	611216114004	ANBALAGAN P	III/VI	95
2	В	611216114011	BHARATHI SHANKAR P	III/VI	
3	С	611216114023	DILIP V	III/VI	
4	С	611216114051	ILAYARAJA E	III/VI	
5	Α	611216114052	IRSHAD AHMED S	III/VI	
6	С	611216114065	KEERTHIVASAN S	III/VI	
7	Α	611216114066	KIRUPA SHANKAR V	III/VI	
8	А	611216114068	KISHOREKANNA R	III/VI	Company of the second sec
9	С	611216114070	LINKESHWARAN H	III/VI	90
10	A	611216114072	MADHANKUMAR G	III/VI	95
11	В	611216114078	MOULEESWAR M	III/VI	65
12	В	611216114079	MOUNRAJ P	III/VI	OT
13	А	611216114080	MOUREESWARAN M	III/VI	85
14	С	611216114081	NAGARAJAN S	III/VI	70
15	Α	611216114087	NAVANEETHA KRISHNA	N S R III/VI	70
16	В	611216114088	NAVEEN S	III/VI	85
17	Α	611216114089	NAVEENKUMAR B	III/VI	95
18	Α	611216114093	NAVEENPRASATH L	III/VI	70
19	Α	611216114094	NAVEENRAJ N	III/VI	65
20	В	611216114095	NAVINRAJ N	III/VI	
21	Α	611216114097	PARAMESWARAN M	III/VI	90
22	С	611216114099	PAVITHRA K	III/VI	85
23	С	611216114106	PRANESH C		80
24	С	611216114107	PRANESH D	III/VI	65
25	В	611216114114	PRAVEEN KUMAR S	III/VI	20
26	В	611216114115	PREMNATH C M	III/VI	75
27	С	611216114116	RAGHAVI SHRI N.V	III/VI	85
28	В	611216114119	RAJESH M	III/VI	90
29	В	611216114122	RAVANTH R	III/VI	90
30	В	611216114124	RINISHKUMAR L	III/VI	60
31	С	611216114138	SENTHIL V	III/VI	65
32	С	611216114140	SHANKAR V	III/VI	75
33	D	611216114177	YUGESH KUMAR B	III/VI	70
34	D	611216114302	ARAVINDKUMAR P	III/VI	60
35	D	611216114309	DINESH KUMAR S	M III/VI	65

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05.02.19

			V.	
D	611216114312	GIRISHANKAR M	III/VI	55
D	611216114315	GOKUL RAJ S	III/VI	50
D	611216114319	GOWTHAMAN K M	III/VI	65
D	611216114324	LAWRANCE M	III/VI	75
D	611216114342	SANJAY G M	III/VI	70
D	611216114348	SENTHILNATHAN B R	III/VI	65
D	611216114353	TAMILARASU R	III/VI	90
	D D D D D	D 611216114315 D 611216114319 D 611216114324 D 611216114342 D 611216114348	D 611216114315 GOKUL RAJ S D 611216114319 GOWTHAMAN K M D 611216114324 LAWRANCE M D 611216114342 SANJAY G M D 611216114348 SENTHILNATHAN B R	D 611216114315 GOKUL RAJ S III/V1 D 611216114319 GOWTHAMAN K M III/V1 D 611216114324 LAWRANCE M III/V1 D 611216114324 SANJAY G M III/V1 D 611216114342 SANJAY G M III/V1 D 611216114348 SENTHILNATHAN B R III/V1

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PR NCIPAL. Anowledge Institute of Technology Yakabalayam (PO) Salem - 61



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to ANBALGAN.P (611216114004)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagave

HOD/Mechanica

Dr.PSS.Sriniva Principal

R.Shankarnarayanan

COO/Harita Techsery Limited



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to DILIP.V (611216114023)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 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



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to MOUNRAJ.P (611216114079)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using NXCAD software" (nowledge Institute of Technolog

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 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



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to SANJAY.G.M (611216114342)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using NXCAD software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal

COO/Harita Techserv Limited

	KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department Of Mechanical Engineering
	FEEDBACK FORM-CERTIFICATE COURSE
Sol	id Modeling (Level-1) using NXCAD/CATIA software
and the second se	Year/Sem/Sec: 111 VI

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

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.nowledge institute # Technolog) *akapalayam (#O) Salem - 637 504

Signature of the Candidate



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec:

Name: R. Ravarithr.

S.No.	List of Content	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	About Introduction to CATIA V5	~				
2	Sketcher Workbench	\sim				
3	Part Modeling	~				
4	Assembly Design	V				
5	Course content and Hands on Experience of CATIA V5	\checkmark				
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					
Sugges	tion for Improvement					

PH NLIPAL. .nowledge institute of Technology *akapalayam (#0) Salem - 637 504

Signature of the Candidate

From

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

To

The Principal, Knowledge Institute of Technology, Salem

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Certification Course conduction-regarding

Forwarded to the Principal

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

09.01.2019

4.22

Yours Faithfully

J. grange J.Prakash

per mitted Im

HR NLIPAL. nowleage institute **in Tech**nology Yakapalayam (PO) Salem - 637 504

		OF TECHNOLOGY, SAL	
Circular No.		Date	09.01.2019
То	IV-Year students		
Subject	Solid Modeling (Level-1) using CATIA & NXCAD software		
Circular issued by	Center of Excellence Mechanical Engineer	e - CRCPDT & Designe ing.	rs Club, Department of

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 Solid Modeling (Level-1) using CATIA & NXCAD software for III and II year students. Registered students are requested to attend the program as per the given schedule.

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. 22.01.2019 TO 05.02.2019	Mr.S.Santhosh Mr.K.V.Rangasamy AP, Mecahanical Engg. KIOT

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

J. ZA Faculty I/c HOD PRINCIPAL

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM – 637 504

Approved by AICTE, Affiliated to Anna University, Chennai.

Name of the Program / Event		Solid Modeling (Level-	1) using CATIA & NXCAD software	
Resource Person details		MrS.SANTHOSH & Mr. Mr.K.V.RANGASAMY Assistant Professor, Dept. of Mechanical Engg. KIOT		
Organizing Dept. / Cell	Mechanical	Details of Participant	IV Students = 94	
Date, Time and Venue	22.01.2019-05.0 COE – CRCPD A-Block, KIOT.	Г,		

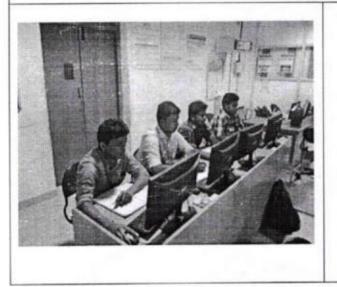
Description of the program

 He discussed about 4 features of CATIA & NXCAD software. It contains CATIA & NXCAD basic level.

2. He explained about Introduction sketcher workbench, part modeling and assembly design.

3. Also he explained about Geometric Dimensioning and Tolerancing (GD&T).

4. He shared his personal experiences and difficulties he faced in his Industrial Career.





Principal, Reputedge.Institute of Technic Setapslayer (Po), Selem-637

Certificate Course

on Solid Modeling (Level-1)

using CATIA software

22.01.2019 to 05.02.2019



Organized by

Department of Mechanical Engineering

KNOWLEDGE INSTITUTE OF TECHNOLOGY

(Accredited by NAAC)

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

in association with





About KIOT

KIOT is one of the best engineering institutes in Salem. It is approved by AICTE, New Delhi, affiliated to Anna University, Chennai and offers 5 UG Programs (Mech., Civil, EEE, ECE and CSE), 4 PG Programs (ISE, CSE, EST and VLSI Design) and 2 Ph.D. programs (Mech. and IC Engg.). KIOT is accredited by NAAC In the single window counselling (TNEA 2018) seats of KIOT were filled in 62nd position among more than 500 self-financing engineering colleges. KIOT is known for its placement of students in well reputed organisations. KIOT has been rated one among the top 3 institutions across India in AICTE-CII Survey of Industry Linked Technical institutions-2016 under the category of emerging engineering colleges. KIOT was recognised nationally by ISTE in awarding Best Engineering College Principal Award to Dr.PSS.Srinivasan, Principal, KIOT. The college has 17 industry linked labs, Research Centres and COEs, KIOT faculty have published 200+ papers in conference and 250+ Research Papers in reputed journals in the last 3 years. We also offer MBA programme at Knowledge Business School, Salem (KBSS), a sister institution of KIOT.

About the Department

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

Mission:

 Enabling environment for effective teaching learning and research to meet global challenges. • Motivating students to pursue higher education and to excel in competitive examinations and entrepreneurship.

• Establish a continuous Industry Institute Interaction to make the students employable.

• Inculcate the students leadership quality with ethical values and spirit of team work.

Mechanical Engineering program, accredited by NBA, is one of the vibrant departments of KIOT and offers B.E Mechanical Engineering, M.E. Industrial Safety Engineering & Ph.D. programmes. The Department was awarded with platinum ranking in AICTE-CII Survey of Industry Linked Technical Institutions-2016. Dr.K.Visagavel, The Department has a team of dedicated faculty members with 5 Ph.D. The Department has established industrial collaborative research centres with Harita Techsery Pyt 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.

HR NCIPAL, inwiedge Institute of Technology akapalayam (PO) Salem - 637 504 Operations, Corner, Chamfer, Projections, Transformations.

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

3.PART MODELING

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

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

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

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

4. ASSEMBLY DESIGN

Introduction on assembly Assembly approaches-Top down assembly, Bottom up assembly Product structure tools Component, Product, Part Existing component, Existing component with positioning Replace component.

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

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

5. DRAFTING AND DETAILING

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

Stacked dimensions. Distance. Angular, Radius. Diameter. Chamfer dimensions. Thread dimensions, Coordinate dimensions, dimension Hole 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 Transformation tools, 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

				OF TECHNOLOGY ical Engineering	
Name of t	he COE		search Centre fo cumentation (CR	r Product Design, Digital I CPDT)	Manufacturing and
Name of t	he 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
		E	XECUTION SC	HEDULE	
Module No.	Name of the Module		No. of	Hours	
1	Introducti	on to CATIA V	5	0	02
2	Sketcher	Workbench		0	6
3	Part Mode	eling		1	2
4 Assembly Design			1	2	
5 Drafting and Detailing			0	8	
6	6 Generative Sheet metal Design			1	2
7	Generativ	e Shape Design		1	2

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Modul No.	source of the brodule	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
ame of t	he Course Module: 2.SKETCHE	etailed Execut R WORKBEN	ion Plan ICH		
calation.	08				
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan
Iodule	and the second sec			Self-Study Hours	Course Plan (Day wise)
dodule No.	Name of the ModuleBasic sketch, Sketch in task environment, Selection tools, Profile, Predefined shapes, Circles, Spline, Conics, Line, Points, Operations, Corner, Chamfer, Projections	Hours	Hours		(Day wise)

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	he Course Module: 4. Assembly	etailed Execu Design	tion Plan		
Duration: 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

4

Name of th Duration: (ne Course Module: 5. Drafting a	Detailed Execu and Detailing	tion Plan		
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

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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		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	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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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.	the second s		Name of the Module Teaching Hours		Practical Hours	Self-Study Hours	Course Plan (Day wise)	
7.1			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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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE NAMELIST

S.NO SEC REG. NO		REG. NO	NAME	YEAR	Remarks
1	A	611217114006	ANBUMANI M S R	11/1V	
2	Α	611217114010	ARJUN G S	II/IV	
3	А	611217114017	ASHOK KUMAR T	II/IV	
4	Α	611217114018	BALAJI C	II/IV	
5	Α	611217114020	BARANIDHARAN M	II/IV	
6	Α	611217114023	BHUVANESHWARI S	II/IV	
7	Α	611217114028	DHANISH KUMAR N	II/IV	
8	А	611217114038	GOGUL R	II/IV	
9	А	611217114041	GOKUL P	II/IV	
10	В	611217114044	GOKUL R	II/IV	
11	В	611217114045	GOKULKRISHNA R	II/IV	
12	А	611217114047	GOPINATH G	II/IV	
13	В	611217114051	GOWTHAMAN S	II/IV	
14	В	611217114053	GURUPRASAD G	II/IV	
15	В	611217114054	GURUPRASATH R R	II/IV	
16	В	611217114055	HARIHARAN K		
17	В	611217114058	HARI PRASANTH R	II/IV	
18	Α	611217114062	HARSHAVARDHINI M	II/IV	
19	Α	611217114063	ILAKKIYA G	II/IV	
20	Α	611217114064	INDERJITH KARTHICK RAJA P	II/IV	
21	В	611217114074	JEFFRI IMMANUEL N	II/IV	
22	В	611217114085	KARTHIKEYAN S	II/IV	
23	В	611217114086	KATHIRAVAN M J	II/IV	
24	В	611217114087	KAVIN KUMAR V	II/IV	
25	В	611217114093	LOKESH KUMAR R	II/IV	
26	В	611217114095	MAHADEVAN S	II/IV	
27	C	611217114118	NIRMAL RAJ S	II/IV	
28	С	611217114123			
29	С	611217114129	PRADEEPRAJ A	II/IV	
30	С	611217114133	PRAVEEN KUMAR P	II/IV	
31	С	611217114135	PRITHEEVE GOWTHAM A M S	II/IV	

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32	C	611217114137	RAGUL E	II/IV
33	C	611217114140	RAJA J	II/IV
34	C	611217114146	RAKUL A M	II/IV
35	C	611217114147	RAME	II/IV
36	С	611217114153	RANJITH KUMAR S	II/IV
37	С	611217114154	RANJITHRAJAN S	II/IV
38	С	611217114156	REVANTH J	II/IV
39	С	611217114162	SAKTHIVEL S	II/IV
40	D	611217114184	SUDHARSAN S M	11/IV
41	D	611217114188	SURESHKRISHNA P	II/IV
42	D	611217114189	SURESHKUMAR V	II/IV
43	D	611217114197	THILIPKUMAR S	II/IV
44	D	611217114204	VENKATESAN K	II/IV
45	D	611217114208	VIGGNESHWAR V	II/IV
46	D	611217114209	VIGNESWARAN M	II/IV
47	D	611217114212	VINOD KUMAR S	II/IV
48	D	611217114219	YUVARAJ K	II/IV
49	D	611217114303	ARAVIND B	II/IV
50	D	611217114308	KOWSHIKAN G	II/IV
51	D	611217114309	KUMAR V	II/IV
52	D	611217114313	SYEDFAKHRUDDEEN S	II/IV

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE TRAINING ATTENDANCE SHEET (22.01.2019 to 05.02.2019)

S.NO	SEC	REG. NO	NAME	YEAR	22.01.2019	23.01.2019	24.01.2019	25.01.2019	28.01.2019	29.01.2019
1	Α	611217114006	ANBUMANI M S R	II/IV	1	1	1	1	1	1
2	Α	611217114010	ARJUN G S	II/IV	1	1	1	1	1	1
3	Α	611217114017	ASHOK KUMAR T	II/IV	1	1	1	1	1	1
4	Α	611217114018	BALAJI C	II/IV	1	1	1	1	1	1
5	Α	611217114020	BARANIDHARAN M	II/IV	1	1	1	1	1	1
6	A	611217114023	BHUVANESHWARI S	II/IV	1	1	1	1	1	1
7	A	611217114028	DHANISH KUMAR N	II/IV	1	9	1	1	1	1
8	Α	611217114038	GOGUL R	II/IV	1	a	1	1	1	1
9	A	611217114041	GOKUL P	II/IV	1	1	1	1	1	1
10	В	611217114044	GOKUL R	II/IV	1	1	1	1	1	1
11	В	611217114045	GOKULKRISHNA R	II/IV	1	1	1	1	1	1
12	Α	611217114047	GOPINATH G	II/IV	1	1	1	1	1	1
13	в	611217114051	GOWTHAMAN S	II/IV	1	1	1	1	1	1
14	В	611217114053	GURUPRASAD G	II/IV	1	1	1	1	1	1
15	в	611217114054	GURUPRASATH R R	II/IV	1	1	1	1	1	1
16	В	611217114055	HARIHARAN K	II/IV	1	1	1	1	1	1
17	В	611217114058	HARI PRASANTH R	II/IV	1	1	1	1	1	5
18	Α	611217114062	HARSHAVARDHINI M	II/IV	1	1	1	1	1	1
19	A	611217114063	ILAKKIYA G	II/IV	1	1	1	1	1	1
20	А	611217114064	INDERJITH KARTHICK RAJA P	II/IV	1	1	1	1	1	1
21	В	611217114074	JEFFRI IMMANUEL N	II/IV	1	1	7	1	1	1
22	В	611217114085	KARTHIKEYAN S	II/IV	1	1	1	1	1	1
23	В	611217114086	KATHIRAVAN M J	II/IV	1	1	1	1	1	1
24	В	611217114087	KAVIN KUMAR V	II/IV	1	1	1	1	1	ア
25	В	611217114093	LOKESH KUMAR R	II/IV	1	/	1	1	à	1
26	В	611217114095	MAHADEVAN S	II/IV	1	1	1	1	1	1
27	С	611217114118	NIRMAL RAJ S	II/IV	1	1	7	1	1	1
28	С	611217114123	PARISHITH C M	II/IV	1	1	1	1	1	1
29	С	611217114129	PRADEEPRAJA	II/IV	1	1	1	1	1	1
30	С	611217114133	PRAVEEN KUMAR P	II/IV	1	1	1	1	1	1
31	C	and the second se	PRITHEEVE GOWTHAM A M S	II/IV	1	1	1	5	1	1
32	C	611217114137	RAGULE	II/IV	1	1	5	5	1	1
33	C	611217114140	RAJA J	II/IV	1	1	1	5	1	1
34	С	611217114146	RAKUL A M	II/IV	1	1	5	1	1	1
35	С	611217114147	RAME	II/IV	5	1	1	5	-	1
36	С	and the second se	RANJITH KUMAR S	11/1V	1	1	5	1	1	á
37	С		RANJITHRAJAN S	11/1V	1	-	-	-	1	3
38	C		REVANTH J	11/1V			5	5	1	5
39	c		SAKTHIVEL S	11/IV	5	-		5	-	-
40	D		SUDHARSAN S M	II/IV II/IV	1	-	-	-	-	4
41	D		SURESHKRISHNA P	II/IV II/IV	1	-		4	-	4
42	D		SURESHKUMAR V		1	-	5			5
43	D		THILIPKUMAR S	1011	-	4	-	-	-	-
1.0			VENKATESAN K	II/IV II/IV	-	4	4		4	1
44	D									

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			Faculty Signature		200	1	100	8	120	L
		M	No. of Students Absent		-	2	-	-	1	1
	-		lo. of Students Present		52	50	52	52	51	5
52	D	611217114313	SYEDFAKHRUDDEEN S	II/IV	1	1	1	1	1	1
51	D	611217114309	KUMAR V	II/IV	1	1	1	/	1	1
50	D	611217114308	KOWSHIKAN G	II/IV	1	1	1	1	1	1
49	D	611217114303	ARAVIND B	II/IV	1	1	1	/	1	1
48	D	611217114219	YUVARAJ K	II/IV	1	1	1	1	1	1
47	D	611217114212	VINOD KUMAR S	11/1V	1	1	1	1	1	1
46	D	611217114209	VIGNESWARAN M	II/IV	1	1	1	1	1	

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE TRAINING ATTENDANCE SHEET (22.01.2019 to 05.02.2019)

S.NO	SEC	REG. NO	NAME	YEAR	30.01.2019	31.01.2019	01.02.2019	04.02.2019	05.02.2019
1	А	611217114006	ANBUMANI M S R	II/IV	1	1	1	1	
2	Α	611217114010	ARJUN G S	II/IV	1	1	1	1	1
3	Α	611217114017	ASHOK KUMAR T	II/IV	1	1	1	1	1
4	Α	611217114018	BALAJI C	II/IV	1	1	1	1	1
5	А	611217114020	BARANIDHARAN M	II/IV	1	1	1	1	r
6	Α	611217114023	BHUVANESHWARI S	II/IV	1	1	1	1	r
7	Α	611217114028	DHANISH KUMAR N	II/IV	1	1	1	1	1
8	А	611217114038	GOGUL R	II/IV	1	1	1	r	1
9	Α	611217114041	GOKUL P	II/IV	1	a	1	1	1
10	В	611217114044	GOKUL R	II/IV	1	1	1	1	1
11	В	611217114045	GOKULKRISHNA R	II/IV	1	1	1	1	1
12	Α	611217114047	GOPINATH G	II/IV	1	1	1	1	1
13	В	611217114051	GOWTHAMAN S	II/IV	1	1	1	1	1
14	В	611217114053	GURUPRASAD G	II/IV	1	1	1	1	1
15	в	611217114054	GURUPRASATH R R	1I/IV	1	1	1	1	1
16	В	611217114055	HARIHARAN K	II/IV	1	1	1	1	11
17	В	611217114058	HARI PRASANTH R	II/IV	1	1	1	1	11
18	A	611217114062	HARSHAVARDHINI M	II/IV	1	1	1	1	1
19	A	611217114063	ILAKKIYA G	II/IV	1	1	a	1	1
20	A	611217114064	INDERJITH KARTHICK RAJA P	II/IV	1	1		1	1
21	В	611217114074	JEFFRI IMMANUEL N	II/IV	5	1	5	1	1
22	В		KARTHIKEYAN S	II/IV	1	1	1	1	1
23	В		KATHIRAVAN M J	11/IV	1	1	1	1	1
24	В		KAVIN KUMAR V	II/IV	1	1	1.	1	1
25	В		LOKESH KUMAR R	II/IV	1	1	1	1	1
26	В		MAHADEVAN S	II/IV	1	1	1	1	5
27	C		NIRMAL RAJ S	II/IV	1	1	· ,	1	a
28	C		PARISHITH C M	II/IV	1	1	1	1	
29	C		PRADEEPRAJ A	II/IV	1	1	1	1	1
30	C		PRAVEEN KUMAR P	II/IV	1	1	1	1	1
31	C	- Lord - Contractor - Contractor	PRITHEEVE GOWTHAM A M S	II/IV	1	1	1	1	1
32	C	611217114137		II/IV	5		;		1
33	C	611217114140	and the second	II/IV		1	1	-	1
34	C	611217114146		II/IV	5	1		-	-
35	c	611217114147		II/IV	1	-	-	-	
36	c		RANJE RANJITH KUMAR S	II/IV II/IV	-	-	-	-	1
37	c		RANJITH ROMAR S	II/IV II/IV	-		1	/	
38	C	611217114154			-			4	1
39	c			II/IV	-	-	1	/	
40			SAKTHIVEL S	II/IV	-	-	1	-	/
	D		SUDHARSAN S M	II/IV	/	/	(/	,
41 42	D		SURESHKRISHNA P	II/IV	1	1	/	1	1
	D	01121/114189	SURESHKUMAR V	II/IV	/	1	1	1	/

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			Faculty Signature		20101	10	100	155	E
_		N	lo. of Students Absent		-	1	1	-	1
			o. of Students Present		52	51	51	52	51
52	D	611217114313	SYEDFAKHRUDDEEN S	II/IV	1	1	1	1	1
51	D	611217114309	KUMAR V	II/IV	1	1	1	1	1
50	D	611217114308	KOWSHIKAN G	II/IV	1	1	1	1	1
49	D	611217114303	ARAVIND B	II/IV	1	1	1	1	1
48	D	611217114219	YUVARAJ K	II/IV	1	1	1	1	1
47	D	611217114212	VINOD KUMAR S	II/IV	1	/	1	1	1
46	D	611217114209	VIGNESWARAN M	II/IV	1	1	1	1	1
45	D	611217114208	VIGGNESHWAR V	II/IV	1	1	1	1	1
44	D	611217114204	VENKATESAN K	II/IV	11	1	1	11	1

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PR NCIPAL, snowledge institute of Technology Yakabalayam (PO) Salem - 637 552



EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software

Name: GI.S. ARJON

Reg. No: 611217114010

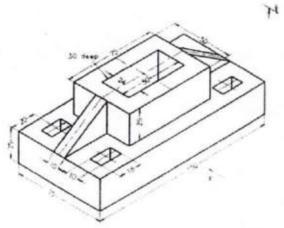
7114010 Year/Sem/Sec:

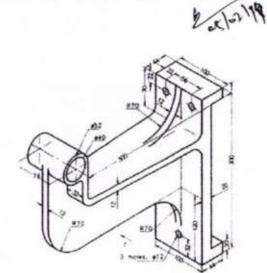
15

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ASSESSMENT TEST

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





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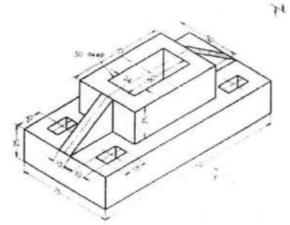


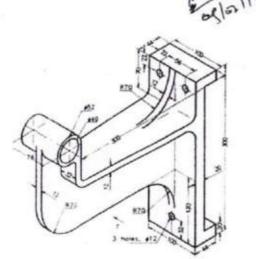
EVALUATION FORM-CERTIFICATE COURSE

Solid Modeling (Level-1) using CATIA & NXCAD softw					
Name: 7. Aspk burner.	Reg. No: 61117114 017	Year/Sem/Sec: 11 IV			

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	Ab
2	PART-B (PART DESIGN)	50	AS
	TOTAL MARKS	100	20





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EVALUATION FORM-CERTIFICATE COURSE

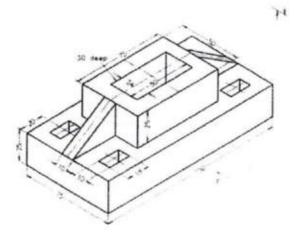
Solid Modeling	(Level-1) using CATIA &	NXCAD software
1211	Reg. No: 4	Year/Sem/Sec: 17

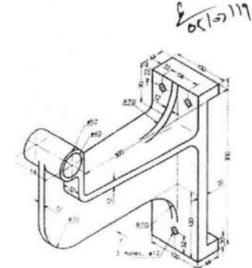
Name: S. Mahadevan Reg. No: 611217/14095

95

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	AO
2	PART-B (PART DESIGN)	50	30
	TOTAL MARKS	100	70





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EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software

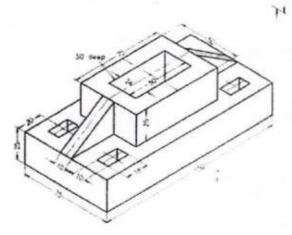
Name: A. PRADEEPRAJ

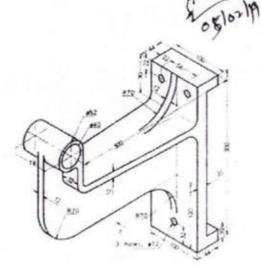
Reg. No: 611217114129

114129 Year/Sem/Sec: 1

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	35
2	PART-B (PART DESIGN)	50	20
	TOTAL MARKS	100	-10





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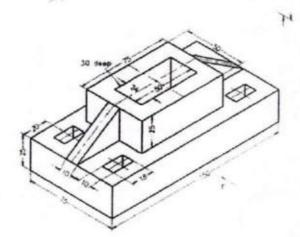


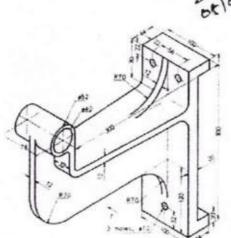
EVALUATION FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using CATIA & NXCAD software Nata Reg. No: 611217114140 Year/Sem/Sec: [] (Year/Sem/Sec: 11 (

1 aja Name: T.

ASSESSMENT TEST

S.NO.	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1	PART-A (SKETCHER)	50	AS
2	PART-B (PART DESIGN)	50	50
	TOTAL MARKS	100	96





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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING HARITA TECHSERV-CERTIFICATE COURSE SOLID MODELING (LEVEL-1) USING CATIA SOFTWARE EVALUATION MARKS 05.02.19

		1			02.02.1
S.NO	SEC	REG. NO	NAME	YEAR	MARKS (100)
1	A	611217114006	ANBUMANI M S R	II/IV	90
2	Α	611217114010	ARJUN G S	11/IV	80
3	A	611217114017	ASHOK KUMAR T	II/IV	90
4	Α	611217114018	BALAJI C	II/IV	65
5	Α	611217114020	BARANIDHARAN M	II/IV	50
6	Α	611217114023	BHUVANESHWARI S	II/IV	55
7	Α	611217114028	DHANISH KUMAR N	II/IV	95
8	Α	611217114038	GOGUL R	II/IV	90
9	Α	611217114041	GOKUL P	II/IV	65
10	В	611217114044	GOKUL R	II/IV	70
11	В	611217114045	GOKULKRISHNA R	II/IV	55
12	Α	611217114047	GOPINATH G	II/IV	65
13	В	611217114051	GOWTHAMAN S	II/IV	70
14	В	611217114053	GURUPRASAD G	II/IV	75
15	В	611217114054	GURUPRASATH R R	II/IV	65
16	В	611217114055	HARIHARAN K	II/IV	85
17	В	611217114058	HARI PRASANTH R	II/IV	80
18	Α	611217114062	HARSHAVARDHINI M	II/IV	90
19	Α	611217114063	ILAKKIYA G	II/IV	95
20	Α	611217114064	INDERJITH KARTHICK RAJA P	II/IV	65
21	В	611217114074	JEFFRI IMMANUEL N	II/IV	70
22	В	611217114085	KARTHIKEYAN S	II/IV	75
23	В	611217114086	KATHIRAVAN M J	II/IV	80
24	В	611217114087	KAVIN KUMAR V	II/IV	85
25	В	611217114093	LOKESH KUMAR R	II/IV	90
26	В	611217114095	MAHADEVAN S	II/IV	70
27	С	611217114118	NIRMAL RAJ S	II/IV	
28	С	611217114123	PARISHITH C M	II/IV	95
29	С	611217114129	PRADEEPRAJ A	II/IV	70
30	С	611217114133	PRAVEEN KUMAR P	II/IV	60
31	С	611217114135	PRITHEEVE GOWTHAM A M S	II/IV	60

PR NCIPAL. unowledge institute of Technology fakapalayam (#C) Salem - 637

05.02.19

32	C	611217114137	RAGUL E	II/IV	50
33	С	611217114140	RAJA J	II/IV	95
34	C	611217114146	RAKUL A M	II/IV	80
35	С	611217114147	RAM E	II/IV	90
36	С	611217114153	RANJITH KUMAR S	II/IV	90
37	C	611217114154	RANJITHRAJAN S	II/IV	95
38	С	611217114156	REVANTH J	II/IV	65
39	С	611217114162	SAKTHIVEL S	II/IV	65
40	D	611217114184	SUDHARSAN S M	II/IV	-15
41	D	611217114188	SURESHKRISHNA P	II/IV	60
42	D	611217114189	SURESHKUMAR V	II/IV	65
43	D	611217114197	THILIPKUMAR S	II/IV	20
44	D	611217114204	VENKATESAN K	II/IV	80
45	D	611217114208	VIGGNESHWAR V	II/IV	\$5
46	D	611217114209	VIGNESWARAN M	II/IV	65
47	D	611217114212	VINOD KUMAR S	II/IV	10
48	D	611217114219	YUVARAJ K	II/IV	95
49	D	611217114303	ARAVIND B	II/IV	90
50	D	611217114308	KOWSHIKAN G	II/IV	65
51	D	611217114309	KUMAR V	II/IV	10
52	D	611217114313	SYEDFAKHRUDDEEN S	II/IV	95

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m Anowledge institute of Technology Takapalayam (PO) Salem - 637 504



KNOWLEDGE INSTITUTE OF TECHNOLOGY

Accredited by NAAC

HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to ARJUN.G.S (611217114010)

In recognition of sucessful completion of

Salem - 637 504

"Solid Modeling (Level-1) using CATIA software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal



HARITA TECHSERV LIMITED



(PO) Salem - 637 504

Certificate of Completion

This certificate is awarded to GURUPRASAD.G (611217114053)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using CATIA software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical

Principal



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to KARTHIKEYAN.S (611217114085)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using CATIA software" .nowiedge institute of Technology akapalayam (PG) Salem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasan Principal



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to NIRMALRAJ.S (611217114118)

In recognition of sucessful completion of

"Solid Modeling (Level-1) using CATIA software"

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel

HOD/Mechanical

Dr.PSS.Srinivasar



HARITA TECHSERV LIMITED



Certificate of Completion

This certificate is awarded to <u>RAM.E (611217114147)</u>

In recognition of sucessful completion of

"Solid Modeling (Level-1) using CATIA software"

HR NUIPAL, snowledge institute of Technology akapalayam (PG) Selem - 637 504

Conducted by "CRCPDT-Harita Techserv Limited" from 22.01.2019 to 05.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India

Mr.M.Sathyanathan Coordinator

Dr.K.Visagavel HOD/Mechanical Dr.PSS.Srinivasar Principal



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10

FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec:

Name:

S. SAKTHIVEL

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

S. Sakthive! Signature of the Candidate

Snowledge Institute of Techno Takapalayam (PO) Salem - 637 pu-



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec:

Name: P. SURESpicerispina

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

H NLIPAL nowledge institute of Technolog, exepalayam (PQ) Salem - 637 504

p. Stoppherichaa

Signature of the Candidate

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FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec: Î

Name: V. Sureshleuman.

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

whene Signature of the Candidate

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FR NUIPAL nedge institute # Techina axapalayam (PO) Salem - 637 504



FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec:

Name: KYUVARAJ

Neutral Disagree Strongly Agree Strongly List of Content S.No. Disagree Agree About Introduction to CATIA V5 1 \checkmark Sketcher Workbench 2 V Part Modeling 3 Assembly Design 4 Hands on and Course content 5 Experience of CATIA V5 Trainer Explanation level about this 6 course Have you learned Shortcuts of the Tool 7 0 and worked out Industry Drawings Overall Experience about this course 8 Suggestion for Improvement

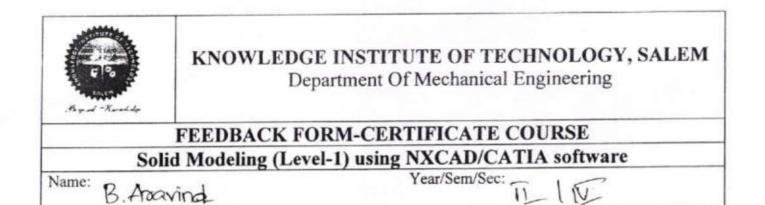
K-Ynwarent

Signature of the Candidate

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Anowledge institute of Technology *akapalayam (*O) 3alem - 637 504



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

found.

Signature of the Candidate

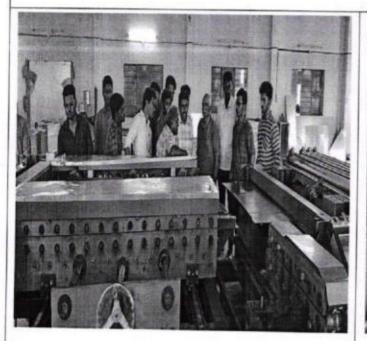
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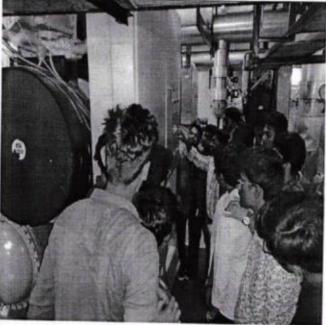
nowledge institute of Technology
 *akapalavam (#O) Salem - 637 504



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

		REPORT O	F THE EVENT (N	1odu	le:4)		
Date	: 02.01.2019 to 28.01.2019		Resource .		Mr.J.Ramesh & Mr.S.Surendan Assistant Professor, Department of Mechanical Engineerin Knowledge Institute of Technology		
Time	:	9.00am to 5.00pm	Title	:	Cost Estimation for a Specific Project		
Venue	:	AEROW DUCT, Bengaluru. Mallya chiller plant, UB City,Bengaluru.	No. of Participants	:	43		





AEROW DUCT, Bengaluru. Encl: Circular / Brochure / Attendance Sheet Chiller Plant, UB City, Bengaluru.

incipal.

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

KN	OWLEDGE INSTITUTE OF TECHNO	OLOGY, SALEN	1 - 637 504
	CIRCULAR		
Circular No.	KIOT/MECH/IAPMO/2018-19/04	Date	24.12.2018
То	All Faculty & Final year students of Mechani	cal Engineering	
Subject	Cost Estimation for a Specific Project System	em - IAPMO - Certif	ication Course - Reg.
Circular issued by	IIK (IAPMO-India-KIOT) center		

We have planned to conduct, HVAC Training on Cost Estimation for a Specific Project System from 02.01.2019 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019).

Venue: A302.

Time: 05.00pm to 07.00pm

Encl: Name list of shortlisted students.

Noat	2
SENDER	PRINCIPAL

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Verified by the	
sender	
	the second s

File :

- 1) Principal Office :
- 2) Concerned issuing department :

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

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

To

The Principal, Knowledge Institute of Technology, Salem. .

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

Sub: Cost Estimation for a Specific Project System -regarding

We have planned to conduct, HVAC Training on Cost Estimation for a Specific Project System from 02.01.2019 for final year mechanical engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place: Salem

Date:24.12.2018

(MOD (MERM)

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

Brestail

Yermitter

S.Surendar AP/Mech

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2015-2019) AY: 2018-19 <u>NAME LIST</u>

S.No.	n: IV / VIII Register Number	Student Name	Date:24.12.2018 Remarks
1.	611215114001	ABISHEK HUSSAIN J	Availar No
2.	611215114002	ABISHIEK B	
3.	611215114003	ADITHYA R	
4.	611215114004	ADITYA R	
5.	611215114011	ARULBALAJI S	
6.	611215114013	ARUNACHALAM K	
7.	611215114014	ARUNKUMAR P	
8.	611215114016	ASIK RAM K P	
9.	611215114027	CHANDRAPRAKASH K	
10.	611215114039	DINESH.P	
11.	611215114046	GOKUL S	
12.	611215114048	GOKULRAJ S	
13.	611215114050	GOPIKANNAN R	
14.	611215114051	GOVINDARAJ S	
15.	611215114079	KARTHIKEYAN M	
16.	611215114083	KAVIN T	
17.	611215114089	KESAVANATHAN B	
18.	611215114091	KIRUBA S	
19.	611215114092	KISHORE K	
20.	611215114093	LINGESH K	
21.	611215114094	LOGANADHAN R	
22.	611215114095	LOGESH J	
23.	611215114096	LOGESH M	
24.	611215114097	LOGESHWARAN S	
25.	611215114098	MADHANKUMAR C	
26.	611215114099	MADHAVANATH J M	
27.	611215114103	MANIKANDAN S	
28.	611215114104	MANISHKUMAR K	
29.	611215114105	MANO K	
30.	611215114108	MANOJ KUMAR S	
31.	611215114116	MOHAN A K	
32.	611215114119	MOHANKUMAR R	
33.	611215114121	MOHAN KUMAR A P	
34.	611215114123	MUGUNTHA ADITYA R	
35.	611215114124	MURALIR	
36.	611215114128	MUTHUKUMAR S	
37.	611215114136	NIRMAL S	
38.	611215114146	POTHIGAI SELVAN M	
39.	611215114192	SATHISH KUMAR C	
40.	611215114206	SRIRAM N	
41.	611215114218	TAMILSELVAN S	
42.	611215114244	WINSLETVASANTHRAAJ T S	
43.	611215114341	VENKATESHWARAN M	

2 FACU

HOD/MECH

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

A.Y:2018-19	KNOWLEDGE INSTITUT Department of Mecha Course Plan (2	anical Engineering		.07.2018
Name of the COE	20013011111 (2	IAPMO-India - KIOT.		
Name of the Course		HVAC Design and Project Installation Engineer	Semester	07 & 08
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Ducting Design for all air HVAC system	Air terminal selection, Cold storage selection, Selection of Materials of Ducts, Primary and secondary pump selections Duct material selection, Selection of cooling tower Selection of Chillers, AHU and FCU classification and selection.	Mr.J.Ramesh, Mr.R.Isaac & Mr.S.Rajesh.	30	e
Cost Estimation for a Specific Project	Calculate Plant Tonnage, Develop Vendor Short List, Obtain Chiller Bid, Adjust for Other First-Cost Impacts, Estimate Utility Costs, Estimate Maintenance Costs, Calculate Life-cycle Costs, Final Chiller Selection	Mr.R.Isaac Mr.J.Ramesh & Mr.S.Surendar.	30	S.L.S.
		Total No.of Hours	60	

Name of t	he Course Module: 3.Ducting Design for	all air HVA			
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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Principal, Knowledge Institute of Technology Kakaoalavam (Po), Salem-637 504

3.11	ADP and Dehumidified CFM	1	-	1	Day 11
3.12	Chilled water system & Equipment Selection	2			Day 11 Day 12
3.13	Chilled water system & Equipment Selection	I		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

Name of Duration:	Detailed the Course Module: 4. Cost Estimation 30 hours	d Execution Plan n for a Specific	Project	A Land	
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
4.1	Calculate Plant Tonnage	2		-	Day 1
4.2	Calculate Plant Tonnage	2			Day 2
4.3	Calculate Plant Tonnage	1	-	1	Day 3
4.4	Develop Vendor Short List	2			Day 4
4.5	Develop Vendor Short List	2			Day 5
4.6	Obtain Chiller Bids	2			Day 6
4.7	Obtain Chiller Bids	1	-	1	Day 0 Day 7
4.8	Adjust for Other First-Cost Impacts	2	-	-	Day 8
4.9	Adjust for Other First-Cost Impacts	1	-	1	Day 9
4.10	Estimate Utility Costs	2	-		Day 10
4.11	Estimate Utility Costs	2	-		a desire a see
4.12	Estimate Maintenance Costs	2	-		Day 11
4.13	Estimate Maintenance Costs	1		1	Day 12
4.14	Final Chiller Selection	2			Day 13
4.15	Final Chiller Selection	1		1	Day 14 Day 15

2-2-2 FACULTY I/C

HOD/MECH

PRINCIPAL

Pm

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

KNOWL 'GE INSTITUTE OF TECHNOLOGY, SALE 637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH-2015-19/ Cost Estimation for a Specific Project System / Acc

/ Academic Year/ SEM: 2018-19 / Even

Date: 29.01, 2019

S.N0	Reg.No	Name of the student	Year/Sem	02.01.2019	03.01.2019	04.01.2019	07.01.2019	08.01.2019	09.01.2019	10.01.2019	17.01.2019	18.01.2019	22.01.2019	23.01.2019	24, 01, 2019	25.01.2019	28, 01, 2019	29.01.2019
1,	611215114001	ABISHEK HUSSAIN J	IV / VIII	1	1	. 1	1	1	1	1	1	1	1	1	1	1	1	1
2.	611215114002	ABISHIEK B	IV / VIII	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.	611215114003	ADITHYA R	IV / VIII	1	1	1	1	1	1	1	,	1	,	1	1	1	1	1
4.	611215114004	ADITYA R	IV / VIII	1	1	1	1	1	1	1	a	1	1	1	1	1	1	-
5.	611215114011	ARULBALAJI S	IV / VIII	1	1	1	1	1	,	1	1	1	· ,	1		1	1	1
6.	611215114013	ARUNACHALAM K	IV / VIII	1	1	1	1	1	1	1	,	1		1	1	1	,	
7.	611215114014	ARUNKUMAR P	IV / VIII	1	1	1	1	1	1	1	,	1	,	1		1		1
8.	611215114016	ASIK RAM K P	IV / VIII	,	1	a	1	1	1	,	-	1	- (_,	,	1	1	1	,
9.	611215114027	CHANDRAPRAKASH K	IV / VIII	- <u>(</u>	1	1	1	1	1	1	-	,		-	- (1		
10.	611215114039	DINESH.P	IV / VIII		1	1	1	1	1	1	-			1		1	1	
11.	611215114046	GOKUL S	IV / VIII	,	1	1	1	1		1		- <u>,</u>	1		,	1	a	
12.	611215114048	GOKULRAJ S	IV / VIII		1	1	1	1	1	1		,	1	1		1	~	,
13.	611215114050	GOPIKANNAN R	IV / VIII	1	1	1	1	1	· ,	1	5	1		1			,	1
14.	611215114051	GOVINDARAJ S	IV / VIII	1	1	1	1	1	1	1	1	1		-		/	- /	
15.	611215114079	KARTHIKEYAN M	IV / VIII	1	1	· /	1	1	1		- ,		- ,	,	5		- ,	
16.	611215114083	KAVIN T	IV / VIII	1	1	1	1	1	1	,		1	1	-	0		- ,	
17.	611215114089	KESAVANATEAN B	IV / VIII	1	1	1	1	1	1	1	1	1	1		a			
18.	611215114091	KIRUBA S	IV / VIII		1	1	1	1	,	-	1	1	1	1	-/	,		
19.	611215114092	KISHORE K	IV / VIII			1	,	,	1	1	,	/	1	,			1	-
20.	611215114093	LINGESH K	IV / VIII				-		1	-		1	1	/	/	-/	-/	-
21.	611215114094	LOGANADHAN R	IV / VIII	1	1	/	1	;	1	1	1	1 1	Dal	1		1	1	

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PAL Principal,								1		_ /	HoD/MECH	HoD/ME	S		0.1	S. S.	
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	NEC			R	NIL	10	10	NIC	SEC	MIC	202	NIL	٢	_	No. 01 Students Absent		
5 H3 H1 H3	43	_	¥	43	E	4P	47	43	нЗ	E.	41	43	43 1	-	No. of Students Present		
1	-			1	1	1	1	1	1	1	~	1	1	IIIA / AI	VENNALESHWARAN M	011210114541	-93,
1 1	-		-		-	-	1	-	-	-	1	1	-	IIIA / AI	WINSLEI VASAN I HRAAJ	011210114244	44
11	-				-	-	-	-	~	1	1	1	1	III / VII	TAMILSELVAN S	611215114218	4
1 1	-		-			-	~			/	/	1	/	IIIA / AI	SRIRAMN	611215114206	40,
1 1	-				-	-	-	-		~	1	1	-	IIIA / AII	SATHISH KUMAR C	611215114192	39,
	-		1		-	>	-	-	-	-	1	1	1	III / VIII	POTHIGAI SELVAN M	611215114146	38.
1 1 0	-		1	-	-	-	-	~	-	-	8-	1	/	IIIA / AI	NIRMAL S	611213114136	37.
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					TIONS-(50X01				
1.	To make out	an estimate fo	r a work ti	he follow	ving data are	necessary-	Drawing,	Specifica	ition a
	a) materials	-5) Date	es c)	labours	(d) transporta	ation		
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	a) Supplementa	ary Estimate b)	Plinth Area	Estimate	c) Revised E	stimate at	Abstract I	Estimate	
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1	works out as Rs	.7 lakh. an	rue	b) F	alse				
6. /	Approx. cost of	f a bridge of 3	spans of 50) m each	span @Rs.30	000/- per ru	inning m	of span	comes
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7. /	Approximate co	ost of sewerage	project for	a popula	ition of one la	ikh@ Rs. 10/	- head wo	orks out	as Rs.
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		nate is less accu			the plinth are	a estimate a	is the heig	tht of the	e buildi
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A) sentropic compression process (B) Constant pressure cooling process
(C) Isentropic expansion process (D) Constant pressure cooling 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
1870ts 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
 The difference between dry bulb temperature and dew point temperature, is called (A) Dry bulb depression
(A) Dry bulb depression (B) Wet 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 (A) B Before expansion valve
(C) Between compressor and condenser (D) Between condenser and evaporator
20. The central air conditioning system bas
20. The central air conditioning system has overall efficiency as compared to individual systems.
(A) Sama (D) :
21. Moisture should be removed from refrigerants to avoid
(A) Freezing at the expansion value (A) Provide
(A) Freezing at the expansion value (B) Restriction to refrigerant flow
22. The specific humidity during humidification process
(A) Remains constant (R) Increases (A)
(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) Evanorator (D) Former (D) C)
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) Norizontal and uniformly spaced
(C) Using and the second
27. The 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
to a
(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 next of the system.
(B) It improves the COD as the sector
(e) The positive work in isentropic expansion of liquid is very small (D) It leads to significant cost Reduction
include to it
29. Unit of thermal conductivity in M.K.S. units is (A) K cal/kg m ² °C (B) K cal m/hr m ² °C (C) K cal/hr m ² °C (D) K calm /h. to
(A) K cal/kg m ² °C (B) K cal m/hr m ² °C (C) K cal/hr m ² °C (D) K calm/hr °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) J/m ² sec (B) /m ^e K sec (C) W/m ^e 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.
PC) The informal conductivity of solid metals increases with rise in temperature.
(D) Logarithmic mean temperature difference is not equal to the arithmetic mean temperature
unetence
 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
The of the
(A) Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's number Principal,
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(D) Prandtl number, Grashoff's number

35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature

(B) Decreases (C) Remain constant (A) Increases

(D) May increase or decrease depending on temperature

- 36. According to Dalton's law of partial pressures, (where pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour)
 - JetPb = pa x pv (B) Pb = pa + pv(A) Pb = pa - pv
- (D) Pb = pa/pv
- 37. Heat transfer takes place as per (A) Zeroth law of thermodynamics (B) First law of thermodynamics JeTSecond law of thermodynamics (D) Kirchaffs Law
- 38. The heat transfer by conduction through a thick sphere is given by
 - $(8)^{2}Q = 4\pi kr1 r2 (T1 T2)/(r2 r1)$ (A) $Q = 2\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$
 - (C) $Q = 6\pi kr 1 r^2 (T1 T2)/(r^2 r^1)$ (D) $Q = 8\pi kr 1 r^2 (T1 T2)/(r^2 r^1)$
- 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)

LONK. (dx/dT) (C) k. (dT/dx) (A) k. A. (dT/dx) (B) k. A. (dx/dT)

41. When the temperatures of a structure both inside and outside are equal, there is ____ b. latent heat transfer to the outside a. no heat transfer

c. thermal heat transfer of sensible heatd. a lower rate of relative humidity

42. Polyolester (POE) oils stored in plastic containers will _____

.b. Become more alkaline a. separate

- d. absorb moisture through the plastic c. become acidic /
- 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.
 - 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:

(b) air cleaning (d) air distribution (a) air cooling (c) air drying 47. Process of changing solid into vapour state without passing through liquid state is:

> (b) sublimation (c) subcooling (d) triple point

- a guper heating 48. Amount of heat required to raise the temperature of one unit of substance through 1 degree is called: +d) Specific heat (b) B.T.U. (c) Calorie (a) C.H.U.
- 49. The COP of a domestic air conditioning in comparison to domestic refrigerator will be:
- +0 less (a) same (d) depends upon weather conditions (c) more 50. Solenoid valve is operated:
- (b) by hand (a) electrically (c) by gas pressure (d) by oil pressure

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HOD/MECH

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	DEPARTMENT	OF MECHA	NICAL ENG	SINEERING	G		
	IAPMO-Indi	ia – KIOT, Ce	ntre of Exce	llence			
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ulty Signature	40		1.30	\$ ZE	12.3		
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similar buildin	ig having similar	specificatio			struction,		
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proper order and	d safe condition.						
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d) Revise	ed estimate						
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Knowledge Institute of Technology

(A) Isentropic compression process	1
(c) isentropic expansion process (D) Constant proscure expansion	
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	
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(A) by build depression (B) Wet bulk depression	
(C) Dew point depression (D) Degree of saturation	
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(b) Before expansion value	
(C) Between compressor and condenser (D) Between and	
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systems.	1
(A) Same (B) Lower (C) Higher (D) None of these	
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(A)Freezing at the expansion valve (B) Restriction to refrigerant flow	
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22. The specific humidity during humidification process	
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(A) Compressor (B) Condenser (C) Evaporator	
24. In a vapour compression system, the condition of refrigerant is dry saturated vapour	
(A) Before entering the compressor (B) After leaving the compressor	
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(c) horizontal and non-uniformly spaced (b) up of lines	
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The interview of the second seco	
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Reduction Reduction	
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(A) Increases (B) Decreases (C) Remain constant	
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34. In free convection heat transfer transition from laminar to turbulent flow is governed by the critical value of the	
(A) Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's number Institute of Techno (akapalayam (Po)) Salem 833	log

(akapalayam (Po), Salem-637 504



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VI

FEEDBACK FORM-CERTIFICATE COURSE Solid Modeling (Level-1) using NXCAD/CATIA software Year/Sem/Sec:

Name:

8

Suggestion for Improvement

R. Kighore Kanna

Overall Experience about this course

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

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Signature of the Candidate

(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

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36. According to Dalton's law of partial pressures, (where pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour)

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 (B) First law of thermodynamics
 (C) Second law of thermodynamics
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- 38. The heat transfer by conduction through a thick sphere is given by (A) $Q = 2\pi kr1 r2 (T1 - T2)/(r2 - r1)$ (B) $Q = 4\pi kr1 r2 (T1 - T2)/(r2 - r1)$
 - (C) $Q = 6\pi kr1 r2 (T1 T2)/(r2 r1)$ (D) $Q = 8\pi kr1 r2 (T1 T2)/(r2 r1)$
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(A) k. A. (dT/dx) (B) k. A. (dx/dT) (C) k. (dT/dx) (D) k. (dx/dT)

41. When the temperatures of a structure both inside and outside are equal, there is ______
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42. Polyolester (POE) oils stored in plastic containers will

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- c. become acidic d. absorb moisture through the plastic
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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?
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 - to The amount of carbon in the atmosphere produced by the world's lifestyle.
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d. The monitoring and controlling of energy consuming devices.

- 46. The function of duct in air conditioning unit is:
- (d) air distribution (d) air d

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

FACULTY I/C

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

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1	Cube rate estim is also compare	d. a) Fal	se	b) True					
i	Cube rate estim s also compare	d. a) Fal	se	b) True					
	is p similar buildin a) Cube Rate Est c) Maintenance	g having s timate	similar b)	specification	n, heights i Suppler	ind const	ruction, i	in the	
N	work to be don a) Prime cost	e by a special	ised firm	whose det	ails are not kn	own at the	time of pr		
12. I t a	n this method a he rate I) Annual repair I) Cubical conte	pprox. total le per runni b)lten	ength of m	walls is four etre of	id in running n wall giv	netre and tl es a	nis total ler fairly	accurate	
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a	large work or						each of the	se work	is kno
a	Sub-work	o) sub-project	c) sub-l	nead d)	sub-constructi	on			
b	he term asis of	actu	ual	labourer	s and		iing an iter naterials		
а) prime cost) hour-work	el day-				0.	/	

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		*
	(A) Isentropic compression process (B) Constant pressure cooling process	1
	(C) Tsentropic expansion process (D) Constant pressure expansion process	
	17. Wet bulb temperature is the temperature of air recorded by a thermometer, when	1
	(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	
	 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) Compression (D) C 1	
	Tereporator Percentation Percentation	
	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	
- 8	(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	
1	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	
4	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	
2	Reduction	
2	Unit of thermal conductivity in M.K.S. units is	
	(A) K cal/kg m ² °C (B) K cal m/hr m ² °C (C) K cal/hr m ² °C (D) K calm/hr °C	
3	0. Thermal diffusivity is a	
	(A) Function of temperature (B) Physical property of a substance	
	(C) Dimensionless parameter (D) All of these	
3	1. Unit of thermal conductivity in S.I. units is	
	(A) J/m ² sec (B) J/m "K sec (C) W/m "K (D) Option (B) and (C) above.	
3	2. 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	
2		
3.	3. 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	0
1000	In free convection hast transfer torontates from the toron to the distribution of the second se	
34	4. In free convection heat transfer transition from laminar to turbulent flow is governed by the critical	
34	 (A) Reynold's number (B) Grashoff's number (C) 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 pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour)
- (A) Pb = pa pv (B) Pb' = pa + pv (C) $Pb = pa \times pv$ (D) Pb = pa/pv37. 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) $Q = 2\pi kr1 r2 (T1 T2)/(r2 r1)$

 (B) $Q = 4\pi kr1 r2 (T1 T2)/(r2 r1)$

 (C) $Q = 6\pi kr1 r2 (T1 T2)/(r2 r1)$

 (D) $Q = 8\pi kr1 r2 (T1 T2)/(r2 r1)$
- 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. A. (dT/dx) (B) k. A. (dx/dT) (C) k. (dT/dx) (D) k. (dx/dT)

- - c. thermal heat transfer of sensible heatd. a lower rate of relative humidity
- 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 _____
 - va. 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:
- (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

FACULTY I/C

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HOD/MECH

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ame of the Student Man @ Kao Aaq + S gister No (a)(2)(5)(1)(4)(2) Duration 60 Minutes Max.Marks 50 ate (a)(2)(5)(1)(4)(2) Duration 60 Minutes Max.Marks 50 culty Name Marks Awarded Marks Awarded Marks Awarded Marks Awarded anaterials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded a) materials Marks Awarded Marks Awarded Marks Awarded Marks Awarded Marks Awarded Marks Awarded 3) Upplementary Estimate b) Plinth Area Estimate () Revised Estimate () Sou00/- per () 1 km works out as Rs 5 () 30000/- per () 1 km wo		and the second	the second	and an operation of the local data in the local data was not been as the second data was not been as	ce	
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 To make out an estimate for a work the following data are necessary-Drawing, Specification a) materials b) Fates c) labours d) transportation a) Supplementary Estimate b) Plinth Area Estimate c) Revised Estimate d) Abstract Estimate Approximate cost of a hostel building for 100 students's @Rs.10000/- per student works out as R lakhs. c) True b) False Per kilometre basis depending on the nature of road, for 10 km of a state highway approx. cost of 50000/- per 1 km works out as Rs. 5 a) True b) False The approx. cost of 10 km length of irrigation channel of 3 cu m per sec. capacity @ Rs.70000/- pe works out as Rs.7 lakh. c) True b) False Approximate cost of a bridge of 3 spans of 50 m each span @Rs.30000/- per running m of span com 3*50*30000 = Rs. 45 lakhs. c) True b) False Cube rate estimate is less accurate as compared to the plinth area estimate as the height of the buil is also compared. a) False Cube rate estimate is less accurate as compared to the plinth area estimate as the height of the buil is also compared. a) False c) Maintenance Estimate d) Cube Rate Estimate d) Cube Rate Estimate d) Furue fully furue<	S. Y = g	ANICINED		TIONS (50Y01-	50)	
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	the rate a) Annual repair	per running b)Item rate	metre of	wall gives	s a fairly	accurate c
A PRIME TO A PRIME AND A PRIME	13.		iled estimate a	and is prepared	to maintain th	e structure or wor

- 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 ______
 - 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 ver day-work d) sub-work
- 16. In a reversed Brayton cycle, the heat is absorbed by the air during
- PM

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	(A) Isentropic compression process
17	(C) Isentropic expansion process (D) Constant pressure expansion process
11	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 hulb is surrounded by an end of the
	(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
202	C) Between compressor and condenser (D) Between condenser and evaporator
20.	the central air conditioning system has overall efficiency as compared to individual
	yatems.
	A) Same (B) Lower (C) Higher (D) None of these
-1.	Moisture should be removed from refrigerants to avoid
	A)Freezing at the expansion valve (B) Restriction to refrigerant flow Corrosion of steel plates (D) All of these
22	he specific humidity during humidification process
	A) Remains constant (B) Increases (C) Decreases (D) None of these
23.1	uring a refrigeration cycle, heat is rejected by the refrigerant in a
(A) Compressor (B) Condenser (C) Evaporator (D) Expansion valve
24.1	a vapour compression system, the condition of refrigerant is dry saturated vapour
((B) Before entering the compressor (B) After leaving the compressor
t	7 Before entering the condenser (D) After leaving the condenser
25.1	uring sensible cooling of air, specific humidity
26 1	Remains constant (B) Increases (C) Decreases (D) None of these
20. 1	a psychrometric chart, specific humidity (moisture content) lines are
10) Vertical and uniformly spaced (B) Horizontal and uniformly spaced
27. T	Horizontal and non-uniformly spaced (D) Curved lines horizontal and non-uniformly spaced lines on a psychrometric chart indicates
V	Try bulb temperature (B) Wet bulb temperature
(0	Dew point temperature (D) Specific humidity
	a vapour compression refrigeration system, a throttle valve is used in place of an expander because
14	It considerably reduces mass of the system (B) It improves the COP as the condensor is small
Arc.	The positive work in isentropic expansion of liquid is very small (D) It leads to significant cost
146	duction
29. U	it of thermal conductivity in M.K.S. units is
(A	K cal/kg m ² °C (B) K cal m/hr m ² °C (C) K cal/hr m ² °C (D) K calm/hr °C
	ermal diffusivity is a
VA	Function of temperature (B) Physical property of a substance
	Dimensionless parameter (D) All of these
	it of thermal conductivity in S.I. units is J/m² sec (C) W/m °K sec (C) W/m °K (D) Option (B) and (C) above.
	J/m ² sec (B) J/m "K sec (C) W/m "K (D) Option (B) and (C) above. ich of the following statement is wrong?
	The heat transfer in liquid and gases takes place according to convection
(8)	The amount of heat flow through a body is dependent upon the material of the body
10	The thermal conductivity of solid metals increases with rise in temperature
(D)	Logarithmic mean temperature difference is not equal to the arithmetic mean temperature
dif	erence
33. Th	rmal conductivity of solid metals with rise in temperature normally
	Increases (B) Decreases (C) Remain constant
(D)	May increase or decrease depending on temperature
34. In	ree convection heat transfer transition from laminar to turbulent flow is governed by the critical
	Principal,
(A)	Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's numbers institute of Technology
	(akapalayam (Po), Salem-637 504

(D) Prandtl number, Grashoff's number

35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature

- (B) Decreases .(C) Remain constant (A) Increases
 - (D) May increase or decrease depending on temperature
- 36. According to Dalton's law of partial pressures, (where pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour)

(D) Pb = pa/pvLETPb = pa × pv (A) Pb = pa - pv(B) Pb = pa + pv37. Heat transfer takes place as per

- (A) Zeroth law of thermodynamics (B) First law of thermodynamics JerSecond law of thermodynamics (D) Kirchaffs Law

38. The heat transfer by conduction through a thick sphere is given by (A) Q = $2\pi kr1 r2 (T1 - T2)/(r2 - r1)$ (B) Q = $4\pi kr1 r2 (T1 - T2)/(r2 - r1)$

- (D) $Q = 8\pi kr1 r2 (T1 T2)/(r2 r1)$ (C) $Q = 6\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$
- 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

of heat conduction is (where Q = Amount of heat flow through the body in unit time, A 40. Fourier's law = 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)

(DTk. (dx/dT) (C) k. (dT/dx)(B) k. A. (dx/dT) (A) k. A. (dT/dx)

41. When the temperatures of a structure both inside and outside are equal, there is b. latent heat transfer to the outside

a no heat transfer c. thermal heat transfer of sensible heatd. a lower rate of relative humidity

- Polyolester (POE) oils stored in plastic containers will _____
 - b. become more alkaline a, separate
 - d. absorb moisture through the plastic c. become acidic
- 43. R-407C has

a foul odor b. to be charged in the vapor phase

d. no temperature glide c. the ability to fractionate

- 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.

. 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.

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:

(d) air distribution (b) air cleaning (c) air drying (a) air cooling

47. Process of changing solid into vapour state without passing through liquid state is: (d) triple point (c) subcooling (b) sublimation dat super heating

- 48. Amount of heat required to raise the temperature of one unit of substance through 1 degree is called: 4d) Specific heat (c) Calorie (b) B.T.U. (a) C.H.U.
- 49. The COP of a domestic air conditioning in comparison to domestic refrigerator will be:
- (d) depends upon weather conditions (b) less (c) more (a) same 50. Solenoid valve is operated:
- Le by gas pressure (d) by oil pressure (b) by hand (a) electrically

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

HOD/MECH

	DEPARTMENT OF MECHAN	VICAL ENGINEERING
	IAPMO-India – KIOT, Cen	
Subject Name	Cost Estimation for a Specifi	
Name of the Student		
Register No	Sainam N	
	611215114206 21/11/2019 Duration	60 Minutes Max.Marks 50
Date Sacultu Namo	31/1/2019 Duration Marks Awarded	ob minutes minutes of
Faculty Name		-
S. S. REMORE	36	X72 339457
Faculty Signature	_>6	Carrier - Los
E.S. 2	ANSWER ALL THE QUE	STIONE (EQX01-50)
		owing data are necessary-Drawing, Specification an
1. To make out	an estimate for a work the folic	Jwing data are necessary brawing, opecheditor of
	At Tates c) labours	s d) transportation
a) materials	An rates c) labours	y studies of various aspects of a work or project
2.	is required for preliminar	te c) Revised Estimate d) Abstract Estimate
a) Supplement	ary Estimate Breinth Area Estima	idente's @Pr 10000/, per student works out as Rs. 1
	cost of a hostel building for 100 stu	udents's @Rs.10000/- per student works out as Rs. 1
lakhs.		
afTrue	b) False	read for 10 km of a state highway approx cost @ R
		road, for 10 km of a state highway approx. cost @ R ks out as Rs. 5 laki
and the second s		ks out as Rs. 5 laki
a) True	も) False	and of 2 autom part car capacity @ Rs 70000/- per ki
The approx. co	ist of 10 km length of irrigation cha	annel of 3 cu m per sec. capacity @ Rs.70000/- per ki
works out as R) False
		h span @Rs.30000/- per running m of span comes t
3*50*30000=1	Rs. 45 lakhs. ATrue b) False
Approximate c		ulation of one lakh@ Rs. 10/- head works out as Rs. 1
lakh.	a) True b) False	
8. Cube rate estin		to the plinth area estimate as the height of the buildin
is also compare	ed. ay False b) True	
		to the plinth area estimate as the height of the buildin
is also compare	ed. a) False at/True	
10 is	prepared on the basis of plinth are	a of building, the rate being deducted from the cost of
similar buildi	ing having similar specificatio	n, heights and construction, in the localit
	- TARGET IN TOP - T	Supplementary Estimat
	e Estimate	
		e estimate and bill of quantities for some specialise
work to be do	ne by a specialised firm; whose de	tails are not known at the time of preparing estimate
		cost d) Building cost index
12. In this method	approx. total length of walls is four	nd in running metre and this total length multiplied b
the rate	per running metre of	wall gives a fairly accurate cos
a) Annual repai	ir b)Item rate estimate s	Approximate quantity method estimate
d) Cubical cont	ent estimate	
13.	Estimate is a detailed estimate	and is prepared to maintain the structure or work i
proper order an	nd safe condition.	
a) Supplementa	ary and revised estimate b)Mai	intenance estimate c) Item rate estimate
	ised estimate	
		ilding or small works and each of these work is know
as	20 Banna Banana ang Banara na kanang Banang Bana Banang Banang	
	b) sub-project c) sub-head d)	sub-construction
		rocedure of costing or valuing an item of work on th
		ers and materials required
basis	of actual laboure	
	of actual laboure b) hour-work e) day-work d)	

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		ñ.,
	ATT sentropic compression process (B) Constant pressure cooling process	
	(c) isentropic expansion process (D) Constant pressure expansion process	
	We build temperature is the temperature of air recorded by a thermometer, when	
	(A) it is not affected by the moisture present in the air	
	(B) The moving of the second descent d	
	(C) The moisture present in it begins to condense	
	(D) None of the above	
	 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	
	-let 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	1
	23. During a refrigeration cycle, heat is rejected by the refrigerant in a	14
	(A) Compressor (B) Condenser (C) Evaporator (D) Expansion walks	
	(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 4010 urved lines	
	 The horizontal and non-uniformly spaced lines on a psychrometric chart indicates 	
	(A) Dry build temperature (B) Wet bulb temperature	
	(2) Dew point temperature (D) Specific humidity	
4	28. In a vapour compression refrigeration system, a throttle valve is used in place of an expander because	
	(B) It improves the COP as the condensation in the system	
	by the positive work in isentropic expansion of liquid is very small (D) It leads to significant cast	
	Nedicion	
4	9. Unit of thermal conductivity in M.K.S. units is	
2	(A) R cal/kg m ² °C (B) K cal m/hr m ² °C (C) K cal/hr m ² °C (D) K calm/hr °C	
3	0. Thermal diffusivity is a	
	(A) Function of temperature (B) Physical property of a substance	
2	(C) Dimensionless parameter (D) All of these	
0	1. Unit of thermal conductivity in S.I. units is	
3	(A) J/m ² sec (B) J/m [*] K sec (C) ² W/m [*] K (D) Option (B) and (C) above.	
0	2. 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 theory is a set of the set	
	(B) The amount of heat flow through a body is dependent upon the material of the body (C) The thermal conductivity of called another is a second s	
	(C) The thermal conductivity of solid metals increases with rise in temperature	
	(e)) Logarithmic mean temperature difference is not equal to the arithmetic mean temperature difference	
3'		
0.	3. Thermal conductivity of solid metals with rise in temperature normally	
	(A) Increases (B) Decreases (C) Remain constant	
2	(D) May increase or decrease depending on temperature	
34	4. In free convection heat transfer transition from laminar to turbulent flow is governed by the critical	
	value of the Principal,	-
	(A) Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's number Institute of Technolo (a) Reynold's number (B) Grashoff's number (C) Reynold's number, Grashoff's number Institute of Technological (B) Salem-637	504
	Vaka0alavati (F.O.) Osicili Politi	

(D) Prandtl number, Grashoff's number 35. Thermal conductivity of non-metallic amorphous solids with decrease in temperature (B) Decreases (C) Remain constant (A) Increases (D) May increase or decrease depending on temperature 36. According to Dalton's law of partial pressures, (where pb = Barometric pressure, pa = Partial pressure of dry air, and pv = Partial pressure of water vapour) (D) Pb = pa/pv(C) $Pb = pa \times pv$ (A) Pb = pa - pv (B) Pb = pa + pv37. 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) $Q = 2\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$ $497Q = 4\pi kr 1 r^2 (T1 - T2)/(r^2 - r^1)$ (D) Q = 8πkr1 r2 (T1 - T2)/ (r2 - r1) (C) $Q = 6\pi kr 1 r^2 (T1 - T2) / (r^2 - r^1)$ 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) -(DYk. (dx/dT) (C) k. (dT/dx) (B) k. A. (dx/dT) (A) k. A. (dT/dx) When the temperatures of a structure both inside and outside are equal, there is _____. b. latent heat transfer to the outside a. no heat transfer c. thermal heat transfer of sensible heatd. a lower rate of relative humidity 42. Polyolester (POE) oils stored in plastic containers will Jr. become more alkaline a, separate d. absorb moisture through the plastic c. become acidic 43. R-407C has a. a foul odor b. to be charged in the vapor phase d. no temperature glide e. the ability to fractionate 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. 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? Arule 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: (d) air distribution (c) air drying (b) air cleaning (a) air cooling 47. Process of changing solid into vapour state without passing through liquid state is: (d) triple point (c) subcooling Jat Super heating (b) sublimation 48. Amount of heat required to raise the temperature of one unit of substance through 1 degree is called: (d) Specific heat (b) B.T.U. (c) Calorie (a) C.H.U. 49. The COP of a domestic air conditioning in comparison to domestic refrigerator will be: +d) depends upon weather conditions (c) more (b) less (a) same 50. Solenoid valve is operated: (d) by oil pressure (a) electrically (b)/by hand (c) by gas pressure

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.... HOD/MECH

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2015-2019) AY: 2018-19

Cost Estimation for a Specific Project System- Mark Statement Max.Marks:50

rear/ S	em: IV / VIII	1	Mark	Date:01.02.20		
S.No.	Register Number	Student Name	Mark Secured	Result Status		
1.	611215114001	ABISHEK HUSSAIN J	43	PASS		
2.	611215114002	ABISHIEK B	41	PASS		
3.	611215114003	ADITHYA R	36	PASS		
4.	611215114004	ADITYA R	37	PASS		
5.	611215114011	ARULBALAJI S	41	PASS		
6.	611215114013	ARUNACHALAM K	40	PASS		
7.	611215114014	ARUNKUMAR P	38	PASS		
8.	611215114016	ASIK RAM K P	28	PASS		
9.	611215114027	CHANDRAPRAKASH K	33	PASS		
10.	611215114039	DINESH.P	32	PASS		
11.	611215114046	GOKUL S	31	PASS		
12.	611215114048	GOKULRAJ S	35	PASS		
13.	611215114050	GOPIKANNAN R	43	PASS		
14.	611215114051	GOVINDARAJ S	41	PASS		
15.	611215114079	KARTHIKEYAN M	36	PASS		
16.	611215114083	KAVIN T	37	PASS		
17.	611215114089	KESAVANATHAN B	41	PASS		
18.	611215114091	KIRUBA S	40	PASS		
19.	611215114092	KISHORE K	35	PASS		
20.	611215114093	LINGESH K	28	PASS		
21.	611215114094	LOGANADHAN R	31	PASS		
22.	611215114095	LOGESH J	33	PASS		
23.	611215114096	LOGESH M	36	PASS		
24.	611215114097	LOGESHWARAN S	32	PASS		
25.	611215114098	MADHANKUMAR C	30	PASS		
26.	611215114099	MADHAVANATH J M	33	PASS		
27.	611215114103	MANIKANDAN S	44	PASS		
28.	611215114104	MANISHKUMAR K	40	PASS		
29.	611215114105	MANO K	36	PASS		
30.	611215114108	MANOJ KUMAR S	38	PASS		
31.	611215114116	MOHAN A K	31	PASS		
32.	611215114119	MOHANKUMAR R	33	PASS		
33.	611215114121	MOHAN KUMAR A P	36	PASS		
34.	611215114123	MUGUNTHA ADITYA R	36	PASS		
35.	611215114124	MURALIR	38	PASS		
36.	611215114128	MUTHUKUMAR S	41	PASS		
37.	611215114136	NIRMAL S	29	PASS		
38.	611215114146	POTHIGAI SELVAN M	28	PASS		
39.	611215114192	SATHISH KUMAR C	33	PASS		
40.	611215114206	SRIRAM N	36	PASS		
41.	611215114218	TAMILSELVAN S	32	PASS		
42.	611215114244	WINSLETVASANTHRAAJ T S	30	PASS		
43.	611215114341	VENKATESHWARAN M	33	PASS		

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

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HOD/MECH

PRINCIPAL Principal,

Knowledge Institute of Technology Polouam (Po) Salam.837 co



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

Acad	emic Year: 2018-19				Date: 2.8/1	
		Strongly agree	Agree	Neutral	Disagree	Strongfy disagree
1	About Teaching Methodology			1		
2	About training handled by faculty			1		
3	About Practical Session		~			
4	About Industries Practice		1			
5	Knowledge Beyond the syllabus			1		
6	Overall Experience about this course		1			
	- industrial - Practicel	visit example	is r is	reed need.		
St	tudent Signature:	e been	leny_	(R. (JOP	ji kannan').

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

cad	emic Year: 2018-19				Date: 28 /	1/2019
		Strongly agree	Agree	Neutral	Disagree	Strongly
1	About Teaching Methodology		V			
2	About training handled by faculty			V		
3	About Practical Session		V			
4	About Industries Practice	~				
5	Knowledge Beyond the syllabus		~			
6	Overall Experience about this course			~		

Suggestion for Improvement:

Need More industrial Nivit.

Student Signature:

Kingers (KIRUPAS).

M Principal,

Knowledge Institute of Technology



FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	lemic Year: 2018-19	Strongly agree	Agree	Neutral	Date: 28/c Disagree	Strongly
1	About Teaching Methodology			~		
2	About training handled by faculty		V			
3	About Practical Session				~	
4	About Industries Practice			~		
5	Knowledge Beyond the syllabus			~		
6	Overall Experience about this course			~		
	i) Need mor	re pro	v			

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	lemic Year: 2018-19	0. 1			Date: 280	1 open 1
		Strongly agree	Agree	Neutral	Disagree	Strong
1	About Teaching Methodology			~		
2	About training handled by faculty			~		
3	About Practical Session		~			
4	About Industries Practice			~		
5	Knowledge Beyond the syllabus		\checkmark			
6	Overall Experience about this course		~			
				1		
	⇒ Need M	love -	Industria	al Viste	5.	

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FEEDBACK FORM CERTIFICATION COURSE (HVAC) Date: 28/1 Academic Year: 2018-19 2019 Strongly Strongly Neutral Agree Disagree agree disagree 1 About Teaching Methodology About training handled by 2 faculty About Practical Session 3 About Industries Practice 4 5 Knowledge Beyond the syllabus Overall Experience about this 6 course Suggestion for Improvement: * Need to visit * Improve The plantical sessions. britay N (Sminam N). Student Signature:

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





Certificate of Completion This certificate is awarded to CHANDRAPRAKASH K (611215114027)

In recognition of sucessful completion of

"Cost Estimation for a Specific Project System"

Conducted by "IIK-Center" from 02.01.2019 to 28.01.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech Principal, Knowledge Institute of Technology <akaoalavam (Po) Salem-637 504

Principal





Certificate of Completion This certificate is awarded to KAVIN T (611215114083)

In recognition of sucessful completion of

"Cost Estimation for a Specific Project System"

Conducted by "IIK-Center" from 02.01.2019 to 28.01.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

Chowledge Institute of Technology (Po) Salem-637 504 HOD/Mech Principal





Principal

Certificate of Completion This certificate is awarded to LINGESH K (611215114093)

In recognition of sucessful completion of

"Cost Estimation for a Specific Project System"

Conducted by "IIK-Center" from 02.01.2019 to 28.01.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

Knowledne Institute of Technology -lavam (Po), Salem-637 504 HOD/Mech





Certificate of Completion This certificate is awarded to LOGESHWARAN S (611215114097)

In recognition of sucessful completion of

"Cost Estimation for a Specific Project System"

Conducted by "IIK-Center" from 02.01.2019 to 28.01.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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Principal





Certificate of Completion This certificate is awarded to MOHANKUMAR R (611214114119)

In recognition of sucessful completion of

"Cost Estimation for a Specific Project System"

Conducted by "IIK-Center" from 02.01.2019 to 28.01.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

Knowledge Institute of Technology, (akanalayam (Po), Salem-637 504, HOD/Mech

Principal

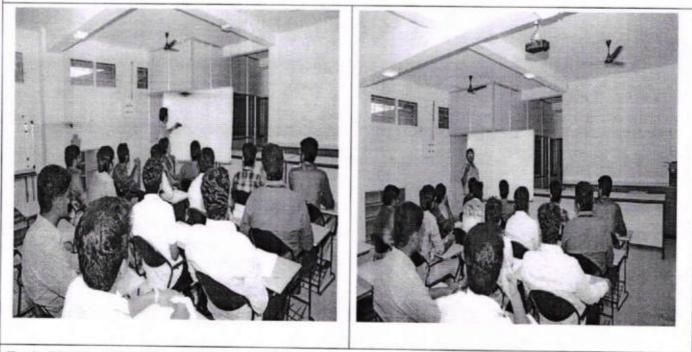


KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF THE EVENT (Module:2)

Date	:	01.02.2019 to 21.02.2019	Resource person	:	Mr.R.Isaac Assistant Professor, Department of Mechanical Engineering, Knowledge Institute of Technology
Time	r	05.00 pm to 07.00 pm & 30 Hours	Title	:	Components sizing and selection for chilled water type HVAC system
Venue	:	A311, KIOT	No. of Participants	:	42

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



Encl: Circular / Brochure / Attendance Sheet

ncipal,

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

	CIRCULAR		10.000
Circular No.	KIOT/MECH/IAPMO/2018-19/05	Date	21.01.2019
То	All Faculty & Third year students of M	lechanical Engine	ering
Subject	Components sizing and selection for Certification Course - Reg.	chilled water typ	e HVAC system- IAPMO -
Circular issued by	IIK (IAPMO-India-KIOT) center		

We have planned to conduct, HVAC Training on Components sizing and selection for chilled water type HVAC system from 01.02.2019 for Final year Mechanical Engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019).

Venue: A310

Time: 05.00pm to 07.00pm

Encl: Name list of shortlisted students.

bat	2
A SW	
SENDER	PRINCIPAL

MECH	VP Office	CIVI	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	port	Trans- port	port	port	port	port	port	port	Hostel I	tel Director / P	Hostel Director /	11 and an		Director / Placement R	Residential Warden		Mandan		sidential Warden NB	Office / File	Class Circula-	Security Office	KBS	Recep
	Office	L.									I/C	(in	Training		LH	GH	110	The	tion	Unite														
*				•																														
			-		-						-																							

Verified by the	
sender	

File :

1) Principal Office :

2) Concerned issuing department :

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

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

To

The Principal, Knowledge Institute of Technology, Salem.

Through: Head of the Department, Department of Mechanical Engineering

Respected Sir,

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

We have planned to conduct, HVAC Training on Components sizing and selection for chilled water type HVAC system from 01.02.2019 for final year mechanical engineering students through IIK (IAPMO-India-KIOT) center in this Academic Year (2018-2019). In this regard, I request your permission to execute the certification course for final year Mechanical Engineering students.

Encl: Name list of shortlisted students.

Thanking You

Place:Salem

Date:21.01.2019

(HOD/MECH)

Yours Faithfully

P18 11:01 S.Surendar AP/Mech

Principal, Knowledge Institute of Technology. **aoatavam (Po), Satem-637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2016 - 20) AY: 2018-19 Components Sizing and Selection for Chilled Water Type HVAC- Mark Statement

S.No.	Register Number	Student Name	Remarks
1.	611216114009	BASKAR N	
2.	611216114012	BLESSY JEYAPAULINE J	
3.	611216114015	DEEPAK KUMAR V M	
4.	611216114016	DEVAKRISHNA K	
5.	611216114020	DHUKILAN S	
6.	611216114021	DHYANESHKANNA R	
7.	611216114024	DINAKARAN S	
8.	611216114028	DINESHKUMAR T	
9.	611216114030	DIVAKAR P	
10.	611216114038	GOKULNATH S	
11.	611216114040	GOKULRAJ P	
12.	611216114049	HARISH B	
13.	611216114050	HARI VENKATESH Y	
14.	611216114053	JAWAHARBALAJI S	
15.	611216114054	JEEVARAJAN M	
16.	611216114055	JOSHUA JACOB S	
17.	611216114057	KARTHICK M	
18.	611216114058	KARTHICK R	
19.	611216114060	KARTHICK RAJA K	
20.	611216114061	KARTHIKEYAN M	
21.	611216114062	KARTHIKEYAN S	
22.	611216114063	KARTHIKRAJA A	
23.	611216114064	KATHIRVEL C	
24.	611216114069	KISHOR KUMAR K	
25.	611216114075	MANISOWDESVAR J	
26.	611216114092	NAVEENPRAKASH S	
27.	611216114098	PAUL SIMON THEKKANATH	
28.	611216114100	PAVITHRAN K	
29.	611216114101	POOVENTHAN J	
30.	611216114102	PRADEEP S	
31.	611216114105	PRAKASH T	3
32.	611216114108	PRASANTH D	
33.	611216114111	PRAVEEN M E	
34.	611216114128	SAIGIRISH O E	
35.	611216114129	SAKTHI M	
36.	611216114172	VINOTH KUMAR K	
37.	611216114308	DINESH KUMAR P	
38.	611216114321	HARI SURYA S	
39.	611216114331	NAGAPPAN N	
40.	611216114346	SELLADURAIR	
41.	611216114351	SURENTHAR R	
42.	611216114359	VISWAJITH S	
13.	611216114009	BASKAR N	

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A.Y: 2018-19	KNOWLEDGE INSTITUT Department of Mech: Course Plan (20	anical Engineering	Date:	31.08.2018
Name of the COE:		IAPMO-India - KIOT, C	entre of Exe	cellence
Name of the Course:		HVAC Design and Project Installation Engineer	Semester	05 & 06
Name of the Module	Topics to be covered	Faculty Name	Number of Hours	Faculty Signature
Design of Practical HVAC System	Fundamental and scope of HVAC, Mode of heat transfer, Standards, Refrigeration cycle, Component of A/C, Refrigerants and types, Study of AC system, Study of Psychrometric, Classification of Air-Conditioning System & Sub systems in AC.	Mr.S.Surendar & Mr.S.M.Gowtham	30	8.63
Components sizing and selection for chilled water type HVAC system	Orientation of Building, To Read Latitude & Location of building, Difference for wall, glass, Roof and Partition, Cooling and Heat Load Calculation, Calculation of sensible Heat Factor ADP and Dehumidified CFM, Cooling Load Calculation, Chilled water system & Equipment Selection	Mr.S.Rajesh & Mr.J.Ramesh	30	C.C.
		Total No.of Hours	60	

Name of Duration:	the Course Module: 1. Design of Practic	ecution Plan al HVAC Sys	tem		7
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	-	T.	Day 5
1.6	Component of A/C	2			Day 6
1.7	Refrigerants and types	2			Day 7

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

Detailed Execution Plan

Name of the Course Module: 2. Components sizing and selection for chilled water type HVAC Duration: 30 hours

	30 hours		system		
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
2.1	Air terminal selection	2		-	Day 1
2.2	Air terminal selection	1	-	1	Day 2
2.3	Cold storage selection	2		-	Day 3
2.4	Cold storage selection	1	-	1	Day 4
2.5	Selection of Materials of Ducts	2			Day 4
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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CENTER FOR HEATING VENTILATION AND AIR CONDITIONING

BATCH-2016-20/ Components sizing and selection for chilled water type HVAC system //

/ Academic Year/ SEM: 2018-19 / ODD Date: 21. 32. 2015

S.No	Reg.No	Name of the student	Ycar / Sem	01.02.2019	04.02.2019	05. 02. 2019	06. 02. 2019	07.02.2019	08. 02. 2019	11. 02. 2019	12.02.2019	13. 02. 2019	14.02.2019	15.02.2019	18.02.2019	19, 02, 2019	20. 02. 2019	21. 02. 2019
l.	611216114009	BASKAR N	III / VI	1	1	1	1	1	1	1	1	-	1	1	1	,	,	1
2.	611216114012	BLESSY JEYAPAULINE J	III / VI	1	1	1	1	1	1	1	1	1	1	1	1	,	1	1
3.	611216114015	DEEPAK KUMAR V M	III / VI	1	1	1	1	1	1	1	1	A	a	1	1	,	,	1
4.	611216114016	DEVAKRISHNA K	III / VI	1	1	,	1	1	1	1		,	1	,	1		1	1
5.	611216114020	DHUKILAN S	III / VI	1	1	,	a	,	1	1	1	1	1		1	- /		1
6.	611216114021	DHYANESHKANNA R	III / VI	1	1	,	1	1	· /	,	1		1	,	1		1	
7.	611216114024	DINAKARAN S	III / VI	1	1	· ,	1	1		-		/	,	/	,			/
8.	611216114028	DINESHKUMAR T	III / VI	1	1	,	1		1.		1		1	- /,	/	- /,	1	
9.	611216114030	DIVAKAR P	- III / VI	1	1	,	1	1	1	1		,	1			- (1	a
10.	611216114038	GOKULNATH S	III / VI	1	,	1	1			1		,		- ((- (-	/
11.	611216114040	GOKULRAJ P	III / VI	1	1	1	1	1			1				/	1	1	
12.	611216114049	HARISH B	III / VI	1	1	-	1	1		1	A. /	-/	,	(1	1	/
13.	611216114050	HARI VENKATESH Y	III / VI	1	-		1	-/			,	- (/	/	1		1	1
14.	611216114053	JAWAHARBALAJI S	III / VI	1			,		-/,		1	(- (/	1	1	1
15.	611216114054	JEEVARAJAN M	III / VI	1	1	1	1	1	-/-		1	,	/	/	/	1	/	1
16,	611216114055	JOSHUA JACOB S	III / VI	1	,	1	1	1		- /	1			-[-		1	1	/
17.	611216114057	KARTHICK M	III / VI	1		,	· ,	· ,	-/-			/	/	_(/		/	1
18.	611216114058	KARTHICK R	III / VI	1	1	1		/	-/-	/			/	/	1,	1	/	/
19.	611216114060	KARTHICK RAJA K	III / VI	1	1	/	1			_/		/	1		,	1	/	/
20.	611216114061	KARTHIKEYAN M	III / VI	/		,	1	1	-/	/	/	/	/	/	/	(1	/
21.	611216114062	KARTHIKEYAN S	III / VI	1	1	1	1	1	5	1	/	b	ny	-1	1	1	/	/

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			611216114359	611216114351	611216114346	611216114331	611216114321	611216114308	611216114172	611216114129	611216114128	611216114111	611216114108	611216114105	611216114102	611216114101	611216114100	611216114098	611216114092	611216114075	611216114069	611216114064	611216114063
Facul	No. of Stud	No. of Stud	VISWAJITH S	SURENTHAR R	SELLADURAI R	NAGAPPAN N	HARI SURYA S	DINESH KUMAR P	VINOTH KUMAR K	SAKTHI M	SAIGIRISH O E	PRAVEEN M E	PRASANTH D	PRAKASH T	PRADEEP S	POOVENTHAN J	PAVITHRAN K	PAUL SIMON THEKKANATH	NAVEENPRAKASH S	MANISOWDESVAR J	KISHOR KUMAR K	KATHIRVEL C	KARTHIKRAJA A
Faculty Signature (& O. & O. & O. &	No. of Students Absent	No. of Students Present	III / VI	III / VI	III / VI	III / VI	III / VI	11/ / III	III / VI	III / VI	111 / VI	111 / VI	III / VI	III / VI	111 / VI	III / VI	IIV / III	II/ / III					
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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 Dhyaneshkanna . R **Register No** 611216114021 25/02/2019 Duration Date 60 Minutes Max.Marks 50 Faculty Name Marks Awarded AND WEREAL. VERO Sis CH **Faculty Signature** 4. ANSWER ALL THE QUESTIONS-(50X01=50) 1. Which of the following refrigerant is highly toxic and flammable? (B)Carbon dioxide (A) Ammonia (C) Sulphur dioxide (D) R-12 2. The dehumidification process, on the psychrometric chart, is shown by A Horizontal line (B) Vertical line (C) Inclined line (D) Curved line The wet bulb temperature at 100% relative humidity is dry bulb temperature. Alsame as (B) Lower than (C) Higher than (D) None of these 4. The human body feels comfortable when the heat stored in the body is (B) Negative +CVZero (A) Positive (D) None of these 5. The heat rejection factor (HRF) is given by (B) 1 - C.O.P. (Ch1 + (1/C.O.P) (A) 1 + C.O.P (D) 1 - (1/C.O.P) 6. In order to collect liquid refrigerant and to prevent it from going to a , a device known as accumulator is used at the suction of compressor. (B) Condenser let Expansion valve (A) Compressor (D) Evaporator 7. The vertical and uniformly spaced lines on a psychrometric chart indicates ADry bulb temperature (B) Wet bulb temperature (C) Dew point temperature (D) Specific humidity 8. The undesirable property of a refrigerant is (A) Non-toxic (B) Non-flammable (C) Non-explosive (D) High boiling point 9. The process, generally used in summer air conditioning to cool and dehumidify the air, is called (B) Dehumidification (C) Heating and humidification (A) Humidification (D) Gooling and dehumidification 10. The leakage in a refrigeration system using ammonia is detected by (A) Halide torch (B) Sulphur sticks (C) Soap and water (D) All of these 11. The lowest temperature during the cycle in a vapour compression system occurs after (A) Compression (B) Expansion (C) Condensation 40) Rvaporation 12. In a domestic refrigerator, a capillary tube controls the flow of refrigerant from the (A) Expansion valve to the evaporator (B) Evaporator to the thermostat (C) Condenser to the expansion valve (D) Condenser to the evaporator 13. The refrigerant used in small tonnage commercial machines (hermetically sealed units) is (A) Ammonia ABT Carbon dioxide (C) Sulphur dioxide (D) R-12 14. When the air is passed through an insulated chamber having sprays of water maintained at a temperature higher than the dew point temperature of entering air but lower than its dry bulb temperature, then the air is said to be ATCooled and humidified (B) Cooled and dehumidified (C) Heated and humidified (D) Heated and dehumidified 15. A refrigerant compressor is used to (A) Raise the pressure of the refrigerant ABDRaise the temperature of the refrigerant (C) Circulate the refrigerant through the refrigerating system (D) All of the above 16. In aqua ammonia absorption refrigeration system, incomplete rectification leads to accumulation of water in (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 (2)74°C

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(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 AT t 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 (CHigher (D) None of these 23. Moisture should be removed from refrigerants to avoid (A) Freezing at the expansion valve (B) Restriction to refrigerant flow ter Corrosion of steel plates (D) All of these 24. The specific humidity during humidification process (A) Remains constant (B) Increases (D) None of these 25. During a refrigeration cycle, heat is rejected by the refrigerant in a (A) Compressor (HBT)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 AB 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 JeTDew 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 JeThe 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 Jeffbry bulb temperature (D) Specific humidity 33. Pressure of water vapour is given by (A) 0.622 Pv/ (Pb - Pv) (B) μ/[1 - (1 - μ) (Ps/Pb)] (C) [Pv (Pb - Pd)]/ [Pd (Pb - Pv)] (D) None of these 34. R-12 is generally preferred over R-22 in deep freezers since (A) It has low operating pressures (B) It gives higher coefficient of performance C) It is miscible with oil over large range of temperatures (D) All of the above 35. In a spray washing system, if the temperature of water is higher than the dry bulb temperature of entering air, then the air is (A) Heated and dehumidified (B) Heated and humidified (C) Cooled and humidified (D) Cooled and dehumidified 36. A valve which maintains a constant degree of superheat at the end of the evaporator coil, is called (A) Automatic expansion valve (B) High side float valve (C) Thermostatic expansion valve (D) Low side float valve Principal,

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37. An infinite parallel planes with emissivities e1 and e2, the interchange factor for radiation from surface 1 to surface 2 is given by (A) $(e_1 + e_2)/e_1 + e_2 - e_1e_2$ +B) 1/e1 + 1/e2 (C) e1 + e2 $(D) e_1 e_2$ as compared to black body. 38. The emissivity of a polished silver body is Let Very low (D) High (A) Same (B) Low 39. Air refrigerator works on (B) Bell Coleman cycle (C) Both (A) and (B) (D) None of these (A) Reversed Carnot cycle 40. The relative coefficient of performance is equal to (B) (Actual C.O.P.) /(Theoretical C.O.P.) (A) (Theoretical C.O.P.)/ (Actual C.O.P.) (D) None of these (@) Actual C.O.P.) × (Theoretical C.O.P.) 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 ACT Gentrifugal (D) Screw (A) Reciprocating (B) Rotating 43. The wet bulb temperature during sensible cooling of air (A) Remains constant (B) Increases (C) Pecreases (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) 1/4 (B) 1/3 (C) 3 (D) 4 45. A refrigerant with the highest critical pressure is (C) R-22 -(D) Ammonia (A) R-11 (B) R-12 46. The unit of thermal diffusivity is (D) m^2/hK $(C) m^2/h$ (A) m/hK(B) m/h 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 (2) 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 (D) Back pressure (B) Discharge pressure (C) Critical pressure (A) Suction pressure 49. The bypass factor, in case of sensible cooling of air, is given by (where td1 = Dry bulb temperature of air entering the cooling coil, td2 = Dry bulb temperature of air leaving the cooling coil, and td3 = 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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		IAPMO-Indi	a – KIOT, Cer	tre of Excelle	nce	
Subject Name	Co	mponents siz	ing and selec	tion for chill	d water typ	e HVAC system
Name of the Stud		Kathick				
Register No			114057			
Date		25/02/201		60 Minutes	Max.Mar	rks 50
Faculty Name	Ma	rks Awarded	1			
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Faculty Signature	20022	Q12		9,457:	0E . 20	10 3
2.6.2		2-				
2.X.2		ANSWEE	ALL THE OUF	STIONS-(50X01	=50)	
1. Which of the fo	lowing ret				-501	
Anmonia (B						
2. The dehumidific						
(A) Horizontal line						e
3. The wet bulb te						
(A) Same as (B						
4. The human bod						
		(C) Zero				
5. The heat rejecti				STURITERS.		
(A) 1 + C.O.P (B) 1 - (1/C.O.P)		
					g to a	, a device known a
accumulator is use						
(A) Compressor	-HBTC	ondenser	(C) Expans	ion valve	(D) Ev:	aporator
7. The vertical and						
(A) Dry bulb tempe	erature	(B) Wet bull	b temperature	(C) Dew	point tempera	iture
(D) Specific humid	ity					
8. The undesirable	property	of a refrigerant	is	1		
(A) Non-toxic (B)	Non-flam	mable (C)	Non-explosive	(TD) High	boiling point	
9. The process, ger						ir, is called
(A) Humidification	(B) D	ehumidification	n (C) Heatin	g and humidific	ation	
(D) Cooling and de						
10. The leakage in						
ATHalide torch		ulphur sticks			D) All of these	
11. The lowest terr						ler
ATCompression		xpansion (C) (
12. In a domestic r					ant from the	
(A) Expansion valve						
(C) Condenser to th						
13. The refrigerant					A STATE OF A STATE OF A STATE OF	its) is
(A) Ammonia		arbon dioxide	(C) Sulphu	r dioxide (l	D) R-12	
14. When the air is	s passed th	nrough an insul	ated chamber	having sprays	of water main	ntained at a temperatur
higher than the de	w point te	mperature of e	entering air bu	t lower than its	dry bulb ten	nperature, then the air
said to be		-	100 000			
A) Cooled and hun			nd dehumidifie			
C) Heated and hun			nd dehumidifi	ed		
15. A refrigerant co						
A) Raise the pressu			(B) Raise th	e temperature	of the refrige	rant
G Grculate the rel	rigerant th	rough the refri	gerating system	n (D) All of t	he above	
to. In aqua ammon	la absorpt	ion refrigeration	n system, incor			accumulation of water in
Afcondenser		aporator	(C) Absorbe) None of the	se
17. Most air cooled	condense	rs are designed		h a temperatur	e difference o	of
A) 5°C (B)	8°C	46714°C	(D) 22°C			VIC
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18. In a reversed Brayton cycle, the heat is absorbed by the air during (A) Isentropic compression process (B) Constant pressure cooling process (C) Isentropic expansion process (D) Constant pressure expansion process 19. Wet bulb temperature is the temperature of air recorded by a thermometer, when LATIt 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 (8) 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. LATSame (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 +DTAll of these 24. The specific humidity during humidification process (A) Remains constant (B) Thcreases (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 (a) 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 (e) 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 Pv/(Pb - Pv) (B) $\mu/[1 - (1 - \mu)(\text{Ps}/\text{Pb})]$ +CV[Pv (Pb - Pd)]/ [Pd (Pb - Pv)] (D) None of these 34. R-12 is generally preferred over R-22 in deep freezers since (A) It has low operating pressures (B) It gives higher coefficient of performance (C) It is miscible with oil over large range of temperatures (D) All of the above 35. In a spray washing system, if the temperature of water is higher than the dry bulb temperature of entering air, then the air is (A) Heated and dehumidified (B) Reated and humidified (C) Cooled and humidified (D) Cooled and dehumidified 36. A valve which maintains a constant degree of superheat at the end of the evaporator coil, is called (A) Automatic expansion valve (B) High side float valve (C) Thermostatic expansion valve (D) Low side float valve

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37. An infinite parallel planes with emissivities e1 and e2, the interchange factor for radiation from surface 1 to surface 2 is given by (C) e1 + e2 (A) $(e_1 + e_2)/e_1 + e_2 - e_1e_2$ (D) e_1e_2 The emissivity of a polished silver body is ______ as compared to black body. -TB)/LOW (A) Same (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 AT (Theoretical C.O.P.)/ (Actual C.O.P.) (B) (Actual C.O.P.) /(Theoretical C.O.P.) (C) (Actual C.O.P.) × (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 4811 - 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) ¼ (B) 1/3 (C) 3 1074 45. A refrigerant with the highest critical pressure is (A) R-11 (B) R-12 (C) R-22 4D) Ammonia 46. The unit of thermal diffusivity is (C) m²/h $(D) m^2/hK$ (A) m/hK(81/m/h 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 (2) 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 (C) Critical pressure (D) Back pressure 49. The bypass factor, in case of sensible cooling of air, is given by (where td1 = 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)

 $(H_{1} - td_{3})/(td_{2} - td_{3}) \qquad (B) (td_{2} - td_{3})/(td_{1} - td_{3}) \quad (C) (td_{3} - td_{3})/(td_{2} - td_{3}) \quad (D) (td_{3} - td_{2})/(td_{1} - td_{3})$

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

2. 2-2.

FACULTY I/C

HOD/MECH

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	KNOWLEDGE			
	DEPARTMENT C	OF MECHAN	IICAL ENGIN	EERING
	IAPMO-India	a – KIOT, Cen	tre of Excellen	ce
Subject Name	Components sizi	ng and selec	tion for chilled	I water type HVAC system
Name of the Student	Kay thickness	a . K		
Register No	61121611406	0		
Date	25/02/2019	Duration	60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
SSRENAR				
Faculty Signature	022		igar !!	E TWO
S Contra D Q	24		1	
	ANSWER	ALL THE QUE	STIONS-(50X01=	50)
1. Which of the following			and and a second a second of the	
JATAmmonia (B) Carl	oon dioxide (C) 5	Sulphur dioxid	e (D) R-12	
2. The dehumidification		2 Contractor of Data States and Array		
(A) Horizontal line	(B) Vertical line	(C) Incline	d line (D)) Curved line
3. The wet bulb temper	rature at 100% relativ	ve humidity is	dry bi	ulb temperature.
(A) Same as VBTLow	er than (C) H	ligher than	(D) None	of these
4. The human body feel	s comfortable when	the heat store	d in the body is	
(A) Positive (B) Neg	ative (C) Zero	40T None	of these	
5. The heat rejection fac	tor (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)	
6. In order to collect	liquid refrigerant ar	nd to prevent	it from going	to a a device known
accumulator is used at t	he suction of compre	essor.		
(A) Compressor	(B) Condenser	(C) Expans	ion valve	(D) Evaporator
7. The vertical and unifo		7		
(A) Dry bulb temperatur	e (B) Wet bulb	temperature	(C) Dew p	oint temperature
(D) Specific humidity				
8. The undesirable prop				
(A) Non-toxic (B) Non				
9. The process, generall				
	(B) Dehumidification	(C) Heating	g and humidifica	tion
(D) Cooling and dehumi				
10. The leakage in a refr				
	(B) Sulphur sticks) All of these
11. The lowest tempera	에 사람이 잘 못 다 안 한 것 수 있는 것 같은 것 같이 없었다. 것 같은	ALCOLOGICAL MADE AND ALCOLOGICAL DATA		
	(B) Expansion der C		A	
12. In a domestic refrige				int from the
(A) Expansion valve to th				
(C) Condenser to the exp				
13. The refrigerant used				
	(B) Carbon dioxide	(C) Sulphur) R-12
				f water maintained at a temperatu
said to be	int temperature of e	ntering air bu	lower than its	dry bulb temperature, then the air
	d INTropled as	d de la contatte		
(A) Cooled and humidifie				
(C) Heated and humidified 15 A refrigerant compression		nd dehumidifie	20	
15. A refrigerant compre		(0) 0-1		
(A) Raise the pressure of				of the refrigerant
(C) Circulate the refriger				
				ion leads to accumulation of water
	(B) Evaporator	(C) Absorbe		None of these
17. Most air cooled cond (A) 5°C (8) 8°C			n a temperature	e difference of
1010C 4010C	(C) 14°C	(D) 22°C		PIV-

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37. An infinite parallel planes with emissivities e1 and e2, the interchange factor for radiation from surface 1 to surface 2 is given by (B) 1/e₁ + 1/e₂ (C) e₁ + e₂ (D) e1e2 $(A)(e_1 + e_2)/e_1 + e_2 - e_1e_2$ as compared to black body. 38. The emissivity of a polished silver body is _ LETVery low (A) Same (B) Low (D) High 39. Air refrigerator works on (B) Bell Coleman cycle (B) Both (A) and (B) (D) None of these (A) Reversed Carnot cycle 40. The relative coefficient of performance is equal to (B) (Actual C.O.P.) /(Theoretical C.O.P.) (A) (Theoretical C.O.P.)/ (Actual C.O.P.) (D) None of these (C) (Actual C.O.P.) × (Theoretical C.O.P.) 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 (B) Rotating (Centrifugal (D) Screw (A) Reciprocating 43. The wet bulb temperature during sensible cooling of air (A) Remains constant (B) Increases (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 (C) 3 +014 (A) 1/4 (B) 1/3 45. A refrigerant with the highest critical pressure is (D) Ammonia (C) R-22 (A) R-11 (B) R-12 46. The unit of thermal diffusivity is Jetm2/h (D) m2/hK (A) m/hK (B) m/h 47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity) (B) 20°C DBT and 80% RH (A) 25°C DBT and 100% RH (D) 25°C DBT and 40% RH Jer22°C DBT and 60% RH 48. The pressure at the outlet of a refrigerant compressor is called (D) Back pressure (A) Suction pressure (B) Discharge pressure (C) Critical pressure 49. The bypass factor, in case of sensible cooling of air, is given by (where td1 = Dry bulb temperature of air entering the cooling coil, td2 = Dry bulb temperature of air leaving the cooling coil, and td3 = Dry bulb

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2. -2

FACULTY I/C

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	KNOWLEDGE			
	DEPARTMENT (and the second second second second		
	IAPMO-Indi	a – KIOT, Cer	ntre of Excellenc	e
Subject Name	Components siz	ing and selec	tion for chilled	water type HVAC system
Name of the Student	Harisurya	S		
Register No	6112161143			
Date	25/02/2019		60 Minutes	Max.Marks 50
Faculty Name	Marks Awarded			
SSREMAN				
Faculty Signature	44		Fort	4008
S.C.				
200-2	ANSWER	ALL THE OUF	STIONS-(50X01=5	0)
1. Which of the followin				5)
(A) Ammonia (B) Carl				
2. The dehumidification				
(A) Horizontal line				Curved line
3. The wet bulb tempe				
	ver than (C)			
4. The human body feel				
(A) Positive (B) Neg				
5. The heat rejection fa			orthese	
(A) 1 + C.O.P (B) 1 - C			0) 1 - (1/C O P)	
				o a, a device known a
accumulator is used at 1			t it nom boing i	<u> </u>
	(B) Condenser		sion valve	(P1) Evaporator
7. The vertical and unife	A REAL PROPERTY AND A REAL			
A Dry bulb temperatur				
(D) Specific humidity	(0) Her ban	o temperature	(c) ben por	in temperature
8. The undesirable prop	erty of a refrigerant	is		
(A) Non-toxic (B) Non			-D High bo	iling point
9. The process, generall				
(A) Humidification	(B) Dehumidification	A CONTRACTOR OF A CONTRACT	g and humidificat	
(D) Cooling and dehumi		, (c) near	6 and mannear	
10. The leakage in a refr		ng ammonia is	detected by	
	(B) Sulphur sticks	(C) Soap a	Contraction of the second s	All of these
11. The lowest tempera				
(A) Compression	(B) Expansion (C) ((D) Evapora	
12. In a domestic refrige				
(A) Expansion valve to th	pansion valve (D)		the evaporator	
(A) Expansion valve to the expension of	(1)) (1)) (1)) (1)) (1)) (1)) (1)) (1))			v sealed units) is
 (A) Expansion valve to the expansion valve to the expansion of the expansion o	in small tonnage co	mmercial mac	hines (hermeticall	
 (A) Expansion value to the expansion value to the expansion of the expansion o	in small tonnage co (B) Carbon dioxide	mmercial macl _{€) Sulphu	hines (hermeticall r dioxide (D)	R-12
 (A) Expansion value to the expansion value to the explosion of th	d in small tonnage con (B) Carbon dioxide sed through an insul	mmercial macl C) Sulphu(ع)۔ ated chamber	hines (hermeticall r dioxide (D) r having sprays of	R-12 water maintained at a temperatur
 (A) Expansion value to the expansion value to the explosion of th	d in small tonnage con (B) Carbon dioxide sed through an insul	mmercial macl C) Sulphu(ع)۔ ated chamber	hines (hermeticall r dioxide (D) r having sprays of	R-12 water maintained at a temperatur
 (A) Expansion value to the expansion value to the explicit of the condenser to the explicit of the ex	in small tonnage con (B) Carbon dioxide sed through an insul int temperature of e	mmercial macl (C) Sulphu lated chamber entering air bu	hines (hermeticall ir dioxide (D) having sprays of it lower than its d	
 (A) Expansion value to the expansion value to the explicit of the condenser to the explicit of the condense to the co	d in small tonnage con (B) Carbon dioxide sed through an insul pint temperature of e ed (B) Cooled a	mmercial macl (C) Sulphu lated chamber entering air bu nd dehumidifi	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed	R-12 water maintained at a temperatur
 (A) Expansion value to the (C) Condenser to the explanation of the explanation o	d in small tonnage con (B) Carbon dioxide sed through an insul pint temperature of e ed (B) Cooled a ed (D) Heated a	mmercial macl (C) Sulphu lated chamber entering air bu	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed	R-12 water maintained at a temperatur
 (A) Expansion value to the expansion value to the explicit of the condenser to the explicit of the ex	d in small tonnage con (B) Carbon dioxide sed through an insul bint temperature of e ed (B) Cooled a ed (D) Heated a essor is used to	mmercial mac (C) Sulphu lated chamber entering air bu nd dehumidifi and dehumidifi	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied	R-12 water maintained at a temperatur ry bulb temperature, then the air i
 (A) Expansion valve to the (C) Condenser to the expansion valve to the expansion. 13. The refrigerant used (A) Ammonia 14. When the air is passified to be (A) Cooled and humidified (C) Heated and humidified (C) Heated and humidified (A) Raise the pressure of (A) Raise the pres	d in small tonnage con (B) Carbon dioxide sed through an insul oint temperature of e ed (B) Cooled a ed (D) Heated a essor is used to f the refrigerant	mmercial mach (C) Sulphu lated chamber entering air bu nd dehumidifi ind dehumidifi (B) Raise ti	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied he temperature of	R-12 water maintained at a temperatur ry bulb temperature, then the air i the refrigerant
 (A) Expansion valve to the expansion valve to the explicit of the exp	d in small tonnage con (B) Carbon dioxide sed through an insul- pint temperature of e ed (B) Cooled a ed (D) Heated a essor is used to f the refrigerant rant through the refri	mmercial mach (C) Sulphu lated chamber entering air bu nd dehumidifi ind dehumidifi (B) Raise ti igerating syste	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied he temperature of $m \rightarrow 0$ All of the	R-12 water maintained at a temperatur ry bulb temperature, then the air i the refrigerant above
 (A) Expansion valve to the expansion valve to the explicit of the exp	d in small tonnage con (B) Carbon dioxide sed through an insul- bint temperature of e ed (B) Cooled a ed (D) Heated a essor is used to f the refrigerant rant through the refri isorption refrigeration	mmercial mach (C) Sulphu lated chamber entering air bu nd dehumidifi nd dehumidifi (B) Raise ti gerating syste n system, inco	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied he temperature of m (Ø) All of the mplete rectificatio	R-12 water maintained at a temperature ry bulb temperature, then the air i the refrigerant above on leads to accumulation of water in
 (A) Expansion valve to the expansion valve to the explicit of the exp	d in small tonnage con (B) Carbon dioxide sed through an insul- bint temperature of e ed (B) Cooled and ed (D) Heated and essor is used to f the refrigerant rant through the refri- isorption refrigeration (B) Evaporator	mmercial mach (C) Sulphu lated chamber entering air bu nd dehumidifi (B) Raise ti igerating syste n system, inco (C) Absorb	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied he temperature of m (Ø) All of the mplete rectificatio er (D) I	R-12 water maintained at a temperatur ry bulb temperature, then the air i the refrigerant above on leads to accumulation of water in None of these
 (A) Expansion valve to the expansion valve to the explicit of the exp	d in small tonnage con (B) Carbon dioxide sed through an insul- bint temperature of e ed (B) Cooled and ed (D) Heated and essor is used to f the refrigerant rant through the refri- isorption refrigeration (B) Evaporator	mmercial mach (C) Sulphu lated chamber entering air bu nd dehumidifi (B) Raise ti igerating syste n system, inco (C) Absorb	hines (hermeticall ir dioxide (D) having sprays of it lower than its d ed ied he temperature of m (Ø) All of the mplete rectificatio er (D) I	R-12 water maintained at a temperatur ry bulb temperature, then the air i the refrigerant above on leads to accumulation of water in None of these

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18. In a reversed Brayton cycle, the heat is absorbed by the air during (A) Isentropic compression process (B) Constant pressure cooling process (C) Isentropic expansion process 10) 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 Lendew point depression (D) Degree of saturation 21. In mechanical refrigeration system, the refrigerant has the maximum temperature (A) In evaporator (B) Before expansion valve LenBetween 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 -to) 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 (e) 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 Pv/ (Pb - Pv) (B) $\mu/[1 - (1 - \mu) (Ps/Pb)]$ (C) [Pv (Pb - Pd)]/ [Pd (Pb - Pv)] (P) None of these 34. R-12 is generally preferred over R-22 in deep freezers since (A) It has low operating pressures (B) It gives higher coefficient of performance C It is miscible with oil over large range of temperatures (D) All of the above 35. In a spray washing system, if the temperature of water is higher than the dry bulb temperature of entering air, then the air is (A) Heated and dehumidified (19) Heated and humidified (C) Cooled and humidified (D) Cooled and dehumidified 36. A valve which maintains a constant degree of superheat at the end of the evaporator coil, is called (A) Automatic expansion valve (B) High side float valve (C) Thermostatic expansion valve (D) Low side float valve

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37. An infinite parallel planes with emissivities e1 and e2, the interchange factor for radiation from surface 1 to surface 2 is given by $(e_1 + e_2)/e_1 + e_2 - e_1e_2$ (B) 1/e₁ + 1/e₂ (C) e₁ + e₂ $(D) e_1 e_2$ as compared to black body. 38. The emissivity of a polished silver body is -to) Very low (D) High (A) Same (B) Low 39. Air refrigerator works on (D) None of these (B) Bell Coleman cycle /0) Both (A) and (B) (A) Reversed Carnot cycle 40. The relative coefficient of performance is equal to (Actual C.O.P.) /(Theoretical C.O.P.) (A) (Theoretical C.O.P.)/ (Actual C.O.P.) (D) None of these (C) (Actual C.O.P.) × (Theoretical C.O.P.) 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 (B) Rotating -(6) Centrifugal (D) Screw (A) Reciprocating 43. The wet bulb temperature during sensible cooling of air (A) Remains constant (B) Increases (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 (C) 3 (9) 4 (A) 1/4 (B) 1/3 45. A refrigerant with the highest critical pressure is (D) Ammonia (A) R-11 (B) R-12 19) R-22 46. The unit of thermal diffusivity is (A) m/hK (B) m/h (C) m^{2}/h -10) m2/hK 47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity) (B) 20°C DBT and 80% RH (A) 25°C DBT and 100% RH (D) 25°C DBT and 40% RH (C) 22°C DBT and 60% RH 48. The pressure at the outlet of a refrigerant compressor is called (D) Back pressure (B) Discharge pressure (C) Critical pressure (A) Suction pressure 49. The bypass factor, in case of sensible cooling of air, is given by (where td1 = Dry bulb temperature of air.

entering the cooling coil, $td_z = Dry$ 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

2. 2.2

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		TUTE OF TECHNOLOGY
	DEPARTMENT OF MEC	CHANICAL ENGINEERING
	IAPMO-India – KIOT	r, Centre of Excellence
Subject Name	Components sizing and	selection for chilled water type HVAC system
Name of the Student	Viswajith S	
Register No	611,216,114359	
Date	25/2/2019 Dura	tion 60 Minutes Max.Marks 50
aculty Name	Marks Awarded	
OAM SARAS		
aculty Signature	35	THAREE THARE
acuity signature		
2.6-2	ANSWER ALL THE	QUESTIONS-(50X01=50)
Which of the following	ng refrigerant is highly toxic a	에는 것은
	oon dioxide (C) Sulphur (
김 씨에는 것 같은 것이 같이 집에 들어야 한다. 이번 것이 안 하는 것이 같이 많이 했다.	process, on the psychrometi	
		nclined line (D) Curved line
	1.5. 5.	dity is dry bulb temperature.
		nan (D) None of these
	s comfortable when the heat	
	ative (C) Zero (D) I	volle of these
. The heat rejection fac		(D) 1: (1/C O D)
	C.O.P. (C) 1 + (1/C.O.P)	
		revent it from going to a, a device known
	the suction of compressor.	(0) 5
		xpansion valve (D) Evaporator
	ormly spaced lines on a psych	
	e (B) Wet buib temper	rature (C) Dew point temperature
D) Specific humidity		
	erty of a refrigerant is	
		osive
	같은 것 같은 것 같아요. 같은 것 같아요. 이번 것이 같아요. 같은 것은 것은 것 같아요. 것이 것 같아요. 것이	oning to cool and dehumidify the air, is called
		leating and humidification
D) Cooling and dehumi		
	igeration system using ammo	
		oap and water (D) All of these
		our compression system occurs after
	(B) Expansion (C) Condensa	
		Is the flow of refrigerant from the
	ne evaporator (B) Evaporato	
	pansion valve (D) Condense	
		I machines (hermetically sealed units) is
A) Ammonia		ulphur dioxide (D) R-12
15 Define an experimental state of the second state of the seco		mber having sprays of water maintained at a temperatu
4. When the air is pass		air but lower than its dry bulb temperature, then the air
4. When the air is pass	int temperature of entering a	
 When the air is pass igher than the dew po aid to be 		
 When the air is pass igher than the dew po hid to be Cooled and humidifie 	ed (B) Cooled and dehur	nidified
 When the air is pass igher than the dew po id to be Cooled and humidifie 	ed (B) Cooled and dehur	
 When the air is pass gher than the dew po hid to be Cooled and humidifie Heated and humidifie 	ed (B) Cooled and dehur ed (D) Heated and dehur	
4. When the air is pass	ed (B) Cooled and dehur ed (D) Heated and dehu essor is used to	midified
 When the air is pass igher than the dew po id to be Cooled and humidifie Heated and humidifie A refrigerant compre- Naise the pressure of 	ed (B) Cooled and dehur ed (D) Heated and dehur essor is used to f the refrigerant (B) Ra	midified aise the temperature of the refrigerant
 When the air is pass igher than the dew po hid to be Cooled and humidifie Heated and humidifie A refrigerant compre- pass the pressure of Circulate the refrigerant 	ed (B) Cooled and dehur ed (D) Heated and dehur essor is used to f the refrigerant (B) Ra ant through the refrigerating	midified aise the temperature of the refrigerant system (D) All of the above
 When the air is pass gher than the dew po- id to be Cooled and humidifie Heated and humidifie A refrigerant compre- Raise the pressure of Circulate the refrigerant in aqua ammonia abs 	ed (B) Cooled and dehur ed (D) Heated and dehur essor is used to the refrigerant (B) Ra ant through the refrigerating sorption refrigeration system	midified aise the temperature of the refrigerant system {D} All of the above , incomplete rectification leads to accumulation of water
 When the air is pass igher than the dew po id to be Cooled and humidifie Heated and humidifie A refrigerant compres Raise the pressure of Circulate the refriger In aqua ammonia abs Condenser 	ed (B) Cooled and dehur ed (D) Heated and dehur essor is used to the refrigerant (B) Ra ant through the refrigerating sorption refrigeration system (B) Evaporator (C) Al	midified aise the temperature of the refrigerant system (D) All of the above , incomplete rectification leads to accumulation of water bsorber (D) None of these
 When the air is pass igher than the dew po id to be Cooled and humidifie Heated and humidifie A refrigerant compres Raise the pressure of Circulate the refriger In aqua ammonia abs Condenser 	ed (B) Cooled and dehur ed (D) Heated and dehur essor is used to the refrigerant (B) Ra ant through the refrigerating sorption refrigeration system (B) Evaporator (C) Al	midified aise the temperature of the refrigerant system (D) All of the above , incomplete rectification leads to accumulation of water bsorber (D) None of these ate with a temperature difference of

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37. An infinite parallel planes with emissivities e1 and e2, the interchange factor for radiation from surface 1 to surface 2 is given by (B) $1/e_1 + 1/e_2$ (C) $e_1 + e_2$ (D) e_1e_2 $(e_1 + e_2)/(e_1 + e_2 - e_1e_2)$ as compared to black body. 38. The emissivity of a polished silver body is (C) Very low , (D) High (A) Same (B) Low 39. Air refrigerator works on (B) Bell Coleman cycle (O Both (A) and (B) (D) None of these (A) Reversed Carnot cycle 40. The relative coefficient of performance is equal to (B) (Actual C.O.P.) /(Theoretical C.O.P.) (A) (Theoretical C.O.P.)/ (Actual C.O.P.) (C) (Actual C.O.P.) × (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. (Q) 1/ B.P.F. (D) 1 + B.P.F. 42. For large tonnage (more than 200 TR) air-conditioning applications, the compressor recommended is (D) Screw (C) Centrifugal (A) Reciprocating (B) Rotating 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 (C) 3 JDT4 (A) 1/4 (B) 1/3 45. A refrigerant with the highest critical pressure is (D) Ammonia (C) R-22 (A) R-11 (B) R-12 46. The unit of thermal diffusivity is (D) m²/hK (C) m²/h YB/m/h (A) m/hK 47. The comfort conditions in air conditioning are at (where DBT = Dry bulb temperature, and RH = Relative humidity) (B) 20°C DBT and 80% RH (A) 25°C DBT and 100% RH (D) 25°C DBT and 40% RH C 22°C DBT and 60% RH 48. The pressure at the outlet of a refrigerant compressor is called (B) Discharge pressure (C) Critical pressure (D) Back pressure (A) Suction pressure 49. The bypass factor, in case of sensible cooling of air, is given by (where td1 = Dry bulb temperature of air

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(A) 1.86 kW (B) 3.72 kW (C) 7.44 kW (D) 18.6 kW

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF MECHANICAL ENGINEERING CENTER FOR HEATING VENTILATION AND AIR CONDITIONING BATCH- (2016 - 20) AY: 2018-19

Components Sizing and Selection for Chilled Water Type HVAC- Mark Statement

Max.Marks: 50 Date: 28.02.2019

rear/S	em: III / VI	1	Mert	Date: 28.02.20
S.No.	Register Number	Student Name	Mark Secured	Result Status
1.	611216114009	BASKAR N	37	PASS
2.	611216114012	BLESSY JEYAPAULINE J	42	PASS
3.	611216114015	DEEPAK KUMAR V M	30	PASS
4.	611216114016	DEVAKRISHNA K	33	PASS
5.	611216114020	DHUKILAN S	44	PASS
6.	611216114021	DHYANESHKANNA R	40	PASS
7.	611216114024	DINAKARAN S	27	PASS
8.	611216114028	DINESHKUMAR T	30	PASS
9.	611216114030	DIVAKAR P	33	PASS
10.	611216114038	GOKULNATH S	36	PASS
11.	611216114040	GOKULRAJ P	31	PASS
12.	611216114049	HARISH B	35	PASS
13.	611216114050	HARI VENKATESH Y	43	PASS
14.	611216114053	JAWAHARBALAJI S	41	PASS
15.	611216114054	JEEVARAJAN M	27	PASS
16.	611216114055	JOSHUA JACOB S	29	PASS
17.	611216114057	KARTHICK M	32	PASS
18.	611216114058	KARTHICK R	31	PASS
19.	611216114060	KARTHICK RAJA K	32	PASS
20.	611216114061	KARTHIKEYAN M	36	PASS
21.	611216114062	KARTHIKEYAN S	29	PASS
22.	611216114063	KARTHIKRAJA A	28	PASS
23.	611216114064	KATHIRVEL C	27	PASS
24.	611216114069	KISHOR KUMAR K	32	PASS
25.	611216114075	MANISOWDESVAR J	29	PASS
26.	611216114092	NAVEENPRAKASH S	33	PASS
27.	611216114098	PAUL SIMON THEKKANATH	27	PASS
28.	611216114100	PAVITHRAN K	31	PASS
29.	611216114101	POOVENTHAN J	32	PASS
30.	611216114102	PRADEEP S	36	PASS
31.	611216114105	PRAKASH T	29	PASS
32.	611216114108	PRASANTH D	28	PASS
33.	611216114111	PRAVEEN M E	41	PASS
34.	611216114128	SAIGIRISH O E	36	PASS
35.	611216114129	SAKTHI M	31	PASS
36.	611216114172	VINOTH KUMAR K	38	PASS
37.	611216114308	DINESH KUMAR P	29	PASS
38.	611216114321	HARI SURYA S	44	PASS
39.	611216114331	NAGAPPAN N	40	PASS
40.	611216114346	SELLADURAI R	27	PASS
41.	611216114351	SURENTHAR R	30	PASS
42.	611216114359	VISWAJITH S	33	PASS
43.	611216114009	BASKAR N	32	PASS

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

FACT

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly	Agree	Neutral	Date: 21 / O Disagree	Strongly
		agree	Agree	iventiai	Disagree	disagree
1	About Teaching Methodology					
2	About training handled by faculty			-7		
3	About Practical Session		~			
4	About Industries Practice		-			
5	Knowledge Beyond the syllabus			~		
6	Overall Experience about this course			7		
	- inderstrial - practical es	visit comple	is no	od neod		

pm

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FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
1	About Teaching Methodology		-			
2	About training handled by faculty			-7		
3	About Practical Session					
4	About Industries Practice		-1			~
5	Knowledge Beyond the syllabus			1		
6	Overall Experience about this course				-	

Suggestion for Improvement:

- Mood more peactical Session - Teaching methodology should impose

Kartohn [KARTHICK.M]

Student Signature:

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department of Mechanical Engineering

FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Date: 21 05 Disagree	Strongly disagree
1	About Teaching Methodology			V		
2	About training handled by faculty				V	
3	About Practical Session		V			
4	About Industries Practice			V		
5	Knowledge Beyond the syllabus			~		
6	Overall Experience about this course		~			
Ł	>> Need m	iae I	Industria	4 Visit	ane	

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department of Mechanical Engineering

FEEDBACK FORM CERTIFICATION COURSE (HVAC)

	emic Year: 2018-19	Strongly agree	Agree	Neutral	Date: 21 b2 Disagree	Strongly	
1	About Teaching Methodology		V				
2	About training handled by faculty			~			
3	About Practical Session		~				
4	About Industries Practice			\checkmark			
5	Knowledge Beyond the syllabus				V		
6	Overall Experience about this course			\sim			
ug	gestion for Improvement:						
Sug	i) Need more in need more	e lije Indust	time 1	rojects			
Sug		e lije E Indost	time 1	projects ractice			

75/1

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM Department of Mechanical Engineering

FEEDBACK FORM CERTIFICATION COURSE (HVAC)

		Strongly agree	Agree	Neutral	Date: 21/. Disagree	Strongly disagree
1	About Teaching Methodology	V				
2	About training handled by faculty		V			
3	About Practical Session			~		
4	About Industries Practice		V			
5	Knowledge Beyond the syllabus		~			
6	Overall Experience about this course				~	
	Need more tech Handson trainwag	nical tec needed.	hing.			

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Certificate of Completion This certificate is awarded to DHYANESHKANNA R (611216114021)

In recognition of sucessful completion of "Components sizing and selection for chilled water type HVAC system"

Conducted by "IIK-Center" from 01.02.2019 to 21.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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Certificate of Completion This certificate is awarded to KARTHICK M (611216114057)

In recognition of sucessful completion of "Components sizing and selection for chilled water type HVAC system"

Conducted by "IIK-Center" from 01.02.2019 to 21.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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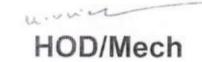




Certificate of Completion This certificate is awarded to KARTHICKRAJA K (611216114060)

In recognition of sucessful completion of "Components sizing and selection for chilled water type HVAC system"

Conducted by "IIK-Center" from 01.02.2019 to 21.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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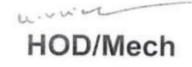




Certificate of Completion This certificate is awarded to HARISURYA S (611216114321)

In recognition of sucessful completion of "Components sizing and selection for chilled water type HVAC system"

Conducted by "IIK-Center" from 01.02.2019 to 21.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.



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Certificate of Completion This certificate is awarded to VISWAJITH S (611216114359)

In recognition of sucessful completion of "Components sizing and selection for chilled water type HVAC system"

Conducted by "IIK-Center" from 01.02.2019 to 21.02.2019 Department of Mechanical Engineering, Knowledge Institute of Technology salem, Tamilnadu, India.

HOD/Mech

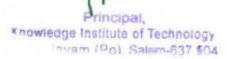
Enternation Principal, Knowledge Institute of Technology (as a syam (Po), Salem-637 504

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504 DEPARTMENT OF ECE NPTEL ONLINE COURSES Registration Details Academic Year 2018 - 2019

Date:12.01.19

S.No	Reg. No	Name of the Student	Year / See	Course Name
1	611217106031	GOWSHIGA A	II ECE A	Principles of Communication System 1
2	611217106037	HEMALATHA M	II ECE B	Coduing Theory. Introduction to CMOS
3	611217106043	JAMUNA DHEVI B	II ECE B	Contorl System Engineering
4	611217106055	KEERTHANA A	II ECE A	Principles of Communication System 1
5	611217106059	MADHUMITHA R	II ECE B	Digital Circuits II
6	611217106069	MUTHU KOKILA S	II ECE A	Principles of Communication System I
7	611217106070	MYVIZHI G	U ECE B	Embedded systems
8	611217106071	NANDINI K	II ECE A	Principles of Communication System I
9	611217106074	NAVEENA T	II ECE A	Principles of Communication System I
10	611217106075	NIVETHA K	II ECE B	Principles of Communication System I
11	611217106078	PASUMITHA G S	II ECE B.	Principles of Communication System 1
12	611217106083	PORKODI M	II ECE B	Digital Electronics
13	611217106086	PREETHI MAHA D	II ECE A	Principles of Communication System I
14	611217106088	PRIYA S	II ECE B	Coding Theory
15	611217106089	PRIYADHARSHINI P	II ECE A	Principles of Communication System I
16	611217106108	SRIRANJANI R	II ECE A	Principles of Communication System I, Electoro Magnetic waves in Guided and wireless media
17	611216106014	BHUVANESWARI.A	III ECE A	introdcution to internet of things, Joy of computing using Pythor
18	611216106021	DHANUSUYA S	III ECE A	Introduction to internet of things
19	611216106022	DHARINI SHREE K	III ECE A	Digital Electronic Circuits
20	611216106026	DIVYA GAYATHRLS	III ECE A	Introduction to internet of things
21	611216106073	RAGHAVENDAR R	III ECE A	Introdeution to internet of things
22	611216106082	SATHISHKUMAR M	UI ECE A	Joy of computing using Python
23	611216106098	THARUN T	III ECE A	Introdeution to internet of things
24	611216106004	ANITHA 5	HI ECE B	Digital Electronic Circuits
25	611216106011	BHARATHI PRIYA K M	III ECE B	Digital Electronic Circuits
26	611216106039	JEEVANANTH S	III ECE B	Introdeution to internet of things
27	611216106041	KANITHRA P	III ECE B	Introdeution to internet of things
28	611216106052	LOKESH S	Contraction of the second s	Principles of Communication System 1
29	611216106055	MAHADHIR MOHAMMED S		Joy of computing using Python
30	611216106068	PRADHEEPA S		Joy of computing using Python





PDF Compressor Free/Version STITUTE OF TECHNOLOGY, SALLM-637 504 DEPARTMENT OF ECE NETEL ONLINE COURSES Registration Details Academic Year 2018 - 2019

Dame: 12:01.2019 5.5. Reg. No. Name of the Student Year / Sec Course Name Status 011217106091 GOWSHIGA 4 Principles of Communication System 1 Ougoing 0.11217106037 HEMMAATHA M ILECE D Coduing Theory, Introduction to CMOS Onpomg. IL ECE B Contorl System Engineering Ongeing e11217106055 KEERTHANA V ILECE A Principles of Communication System I. Orgering. 5 611217106059 MADREMITHA R Digital Circuits II Ongoing 15 611217106069 MUTHUKORILAS NECEA Principles of Communication System 1 Ongoing 011217106070 MYVIZHI O Embedded systems Ongoing-16 611217106071 NANDINI K Principles of Communication System 1 Ongoing 611217106074 Principles of Communication System 1 Ongoing 611217106075 Principles of Communication System I Ongoing 611217106078 PASEMITHA G S Principles of Communication System 1 Ongoing. 12 611237106083 PORKODIM Digital Electronics Ongoing 13 611217106086 PREETHIMAHA D IFECE A Principles of Communication System I Ongoing 14 611217106088 PRIYA'S II ECE B Coding Theory Ongoing 15 PRIYADHARSHINI P ILECE A Principles of Communication System I Onesing 611217106089 Principles of Communication System 1, Electore 16 611217106108 SRIRANJANI R H ECE A Ongoing Magnetic waves in Guided and wireless media 17 RHUVANESWARLA HI ECE A Ongoing 611216106014 Introduction to internet of things, Joy of computing using Python 18 611216106021 DHANUSUYA S III ECE A Introduction to internet of things Ongoing 1.0 HI ECE A Ongoing 611216106022 DHARINI SHREE K Digital Electronic Circuits 611216106026 DIVYA GAYATHRES III ECE A Introdeution to internet of things Ongoing 20 21 611216106073 RAGHAVENDAR R III ECE A. Introduction to internet of things Ongoing 611216106082 SATHISHKUMAR M Joy of computing using Python Ongoing Ongoing III ECE A 611216106098 Introdeution to internet of things Digital Electronic Circuits Ongoing 24611236106004 ANITHAS. III ECE B 15 BHARATHI PRIYA K M III ECE B Digital Electronic Circuits Ongoing 511216106011 26 611216106039 **JEEVANANTH'S** IN ECE H Introdeution to internet of things Ongoing introdeution to internet of things: Ongoing 011210106041 Orgoing 28 011210106052 LOKESH 5 Principles of Communication System 1 Ongoing 29 611216106055 MAHADHIR MOHAMMED S Jey of computing using Python Ongoing 30 611216106068 PRADHEEPAS III FCE B. key of computing using Python

Principal, Knowledge Institute of Technology -kanalavam (Po), Salem-637 \$04.





KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504 DEPARTMENT OF ECE NPTEL ONLINE COURSES REGISTRATION DETAILS ACADEMIC YEAR 2017 - 2018

S.No	Reg. No	Name of the Student	YEAR	Date:25.07.17
1	611214105004		IV ECE	Course Mane
2	611214106012	DHANASEKARAN A	IV ECE	Design of Internet of things
3	611214106021	GOWRI B	IV ECE	Design of Internet of things
4	611214106036	MALATHI M	IV ECE	Design of Internet of things
5	611214106040	MOULIKA M	IV ECE	Design of Internet of things
6	611214106063	RAJAMURUGAN 5	IV ECE	Design of Internet of things
7	611214106073	SATHISHKUMAR R	IV ECE	Design of Internet of things
8	611214106078	SIVABALAN R	IV ECE	Design of Internet of things
9	611214106088	VIGNESH S	IV ECE	Design of Internet of things
10	611214106093	VISHALI R	IV ECE	Design of Internet of things
н	611214106303	BOOPATHY J	IV ECE	Design of Internet of things
12	611214106318	VIGNESHWARAN M	IV ECE	Design of Internet of things
13	611215106005	ANURAKSHANA M	III ECE	Satellite Communication
14	611215106006	ARAVINTH K	III ECE	Introduction of C
15	611215106008	ARNIKA PRAISY	III ECE	Application Development
6	611215106012	ATHIRA K R	III ECE	Application Development
7	611215106016	DEVITS	III ECE	Application development
8	611215106023	GOKULRAJ K	III ECE	Digital Image processing
ą	611215106026	GOWTHAM S	III ECE	Introduction to IOT
0	611215106035	ISWARYA P	III ECE	Introduction of IOT
t	611215106042	KAVITHA V	III ECE	Digital Speech Processing
2	611215106051	MALATHI C	III ECE	Digital communication
,	611215106060	MOOGAMBIGAI G R	HI ECE	Application development Pm
	611215106070	POOJA S N .	III ECE	i Inhoipal, Android App developmentwiedge Institute of Techn (akapalayam (Po), Salem-6

25	611215106072	PRAVEENKUMARJ	10 ECE	Introduction to C
26	611215106086	RAMYALAKSHMI M	HIECE	Application development
27	611215106115	UMAMAHESWARI G	III ECE	IMAD
28	611215106118	VIGHNESH V G	III ECE	Satellite Communication
29	611215106001	AGILAN P	III ECE	Introduction to Wireless and Cellular Networks
30	611215106003	AKILA T	III ECE	Introduction to Wireless and Cellular Networks
31	611215106004	ANU K	III ECE	DIP using remote Sensor
32	611215106015	DEEPTH M	III ECE	C, C++, Python, IOT, Loud Computing
33	611215106024	GOMATHI D	III ECE	Introduction to C
34	611215106025	GOWSIKA V	III ECE	Algorithm and Python
35	611215106036	ISWARYA S	III ECE	Introduction to C
36	611215106039	KANISHKAR K R	III ECE	Loud Computing
37	611215106040	KARTHIKA S	III ECE	Modern digital Communication
38	611215106041	KAVITHA M	III ECE	Basic Electronic CircuitS
39	611215106044	KAVIYA S (05.12.1997)	III ECE	Soft Skills
40	611215106052	MANIKANDAN S	III ECE	Visual Communication
41	611215106058	MONISHA G	III ECE	Development of soft Skills
12	611215106068	OVIYA S	III ECE	Loud Computing
13	611215106069	PAVITHRAA	IH ECE	Introduction to C
14	611215106074	PRAVEEN KUMAR B K	III ECE	Design of IOT, Mobile app development
5	611215106088	ROJA M	III ECE	Internet of things
6	611215106092	SAKUNTHALA DEVI K	III ECE	Modern digital Communication
7	611215106099	SASIKALA P	III ECE	Introduction to C
8	611216106006	ANU RAMYA N	II ECE	Data structures & Algorithms using Python
9	611216106012	BHARATH KUMAR. N	II ECE	Cloud Computing
0	611216106014	BHUVANESWARLA	II ECE	Design for Electronic Equipments Principal,
1	611216106019	DHAARSHINLR	UECE	App Development Knowledge Institute of T Kakapalavam (Po), Sale

1.00				
52	611216106021	DHANUSUYA S	II EC	E App Development
53	6112161060	94 ANITHA S	HEC	E Principles of Communication Systems - 1
54	611216106036	JAGADESHWARAN, D	II ECE	
55	611216106046	KARTHIKEYAN, G	II ECE	Introduction to UK. 1
56	611216106054	MAGESHWARAN G	II ECE	
57	611216106069	PRIVARTHINLB	II ECE	Internet of things
58	611216106070	PRIYAADHARSHNIJ	II ECE	Introduction in C Programming
59	611216105082	SATHISH KUMAR. M	II ECE	Introduction about Wireless and Cellular Communication
60	611216106086	SIVA SWARNAMALYA	II ECE	Bagic Electric Circuit
61	611216106087	SNEGA G	II ECE	Hardware Derigning Verilog
62	611216106089	SOWMIYAA. P	II ECE	Introduction in C Programming
63	611216106095	SWETHA PRIYA M	II ECE	Fundamentals of Java Script
64	611216106097	THANABAL M	II ECE	Object Oriented C++
65	611216106005	ANITHANANDHINI, B	II ECE	Introduction in C Programming
66	611216106098	THARUN T	II ECE	Baric Electric Circuits
57	611216106026	DIVYA GAYATHRI.S	II ECE	Internet of things
8	611216106055	AAHADHIR MOHAMMED S	II ECE	Programming in C++
9	611216106015 B	COPATHLP.S	II ECE	Introction on C Programming
0	611216106077 R	UBINIT		Programming in C++

HORACHO

Principal, Knowledge institute of Technolog Kekapalayam (Po), Salam-637 k



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

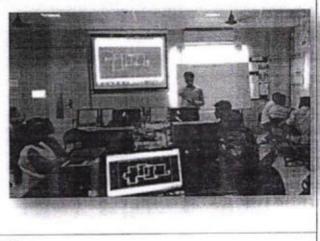
Date	:	28.12.18 to 12.1.19 (42 Hours)	Resource person	:	Global CADD Technology 38, Kalaimagal St, Alagapuram Pudur Salem, Tamil Nadu 636004 (External)
Time	:	3.30 pm to 7.00pm	Title	:	Certification Course on- "Electrical wiring circuit design using Electrical CAD"
Venue	:	E-Block 3rd Floor- MTLC & CC9 lab.	No. of Participants	:	78

REPORT OF THE EVENT

Resource Person discussed about basics of CAD/CAM/CAE, concept of Electrical CAD.

- Course also covered about coordinate System, Line, XLine, Rectangle, Copy, Offset Polygen, Array, Move, Rotate, Mirror, Erase, Arc, Circles, Trim, Extend, Scale, Stretch.
- On Day 5 to 8 student had Drawing Practice on Ellipse, Spline, Point, Donut, Extend, Break Fillet, Chamfer, Explode, Divide, Object Selection Method, Drafting Settings, Properties, Match Properties, Block, Wblock, Hatch, Display, Order, Single line text, Multi line text, Table, Boundary, Region, Parametric Modeling & Dimensioning.
- Student Undergone Test in Inserting Schematic Components, Symbols, Components from list, Connectors, Terminals, Multi-Level Terminals on day 9 and 10.
- > Resource person delivered the development of circuit Design practically.





Encl: Circular / Lesson Plan / Attendance Sheet / Feedback

incloal. Knowledge Institute of Technology Kakanalaugm m-

	CIRCULAR		
Circular No.	KIOT/2018-19/CC/EE/01	Date	24.11.2018
То	II-Year EEE students		
Subject	Certification Course- Reg.		
Circular issued by	Department of Electrical & Ele	ctronics Enginee	ering.

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	28.12.18 to 12.1.19 & 3.30 pm to 7.00pm (42 Hours)	Global CADD Technology (External)

For Further Details & Registration Kindly Contact:

Mr.B.Sasikumar, ASP/EEE & Dept. certification Course Coordinator

N PRINCIPAL SENDER

MECH	VP Office	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	CIVIL	ECE	CSE	S&H	PD	LIB	EMS	AO	Trans- port I/C	Hostel	Director /	Director / Placement	Residential Warden		College	Office / File	on com-	Security Office	KBS	Reception
C	Office	- ALANA			Dices.		1		1.00	I/C	au	Training		LH	GH	1415	1.116	tion																			
																	•	•																			
			-		-		-		-		-																										

Checked by Principal office I/C	Verified by the sender	

File :

1) Principal Office :

2) Concerned issuing department :

Principal, Knowledge Institute of Technology Kakabalayam (Po) Salumot 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 28.12.18 to 12.1.19 for a period of 14 days with the duration of 42 hours. It will be helpful for our II Year Electrical and Electronics engineering students through which they can enrich their knowledge in Electrical CAD in Autodesk software. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development of our students.

The course details are as follows:

Description	Particulars
Year	II (Electrical and Electronics engineering Students)
Name of the Course	Electrical wiring circuit design using Electrical CAD
Company/ Resource Person	Global CADD Technology 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004
Total Number of Students Registered	78 Nos

Thank you sir

Yours truly,

(Mr.B.Sasikumar)

Ou RINCIPAL

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

From

KNOWLEDGE INSTITUTE OF TECHNOLOGY DEPARTMENT OF ELECRICAL AND ELECTRONICS ENGINEERING Date: 03.05.18

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 2018-19.

S.No.	Type of the Course (CC, VAC & VET)	Name of the Course	Duration (Hrs)	Target Student	Remarks
1	CC	Electrical wiring circuit design using Electrical CAD	42	II-EEE	Existing Course and Continuing
2	VAC	Programming in Embedded C	36	II-EEE	New Course
3	VAC	Programming in PLC	36	III, IV- EEE	New Course

V-they 3/5/19 (D)

HOD/EEE

PRINCIPAL

Principal,

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Certification Course

Students Enrollment List

Year/Sem: II/IV

Date: 24/12/2018

Academic Year: 2018-19 Name of the Course: Electrical wiring circuit design using Electrical CAD

i.No	Register No	Name of the Student
1	611217105001	AAFREEN S
2	611217105002	AARTHI B
3	611217105003	ABARANJI S
4	611217105006	ABITH HUSSAIN M
5	611217105007	AHAMAD AKTHUS S
6	611217105008	AJITH KUMAR V
7	611217105009	ANANTHAPOOJA A
8	611217105010	BARANI P
9	611217105011	BHAVITHRA S
10	611217105012	BHUVANES C
11	611217105013	CIBIAAKASH M
12	611217105016	DEEBIKA S
13	611217105017	DEEPAK R V
14	611217105019	DHARSHINI K M
15	611217105020	DHILIP A
16	611217105021	DINESH KANNA S
17	611217105025	ESNEYA N
18	611217105026	GHOURI K
19	611217105027	GOBINATH L
20	611217105028	GOKUL RAJ G
21	611217105030	GOWRI SHANKAR U
22	611217105031	GOWSIKA J
23	611217105032	GUNASEKARAN V
24	611217105034	HEMALATHA V
25	611217105036	JAGADEESH M
26	611217105037	JEEVA KP
27	611217105038	JEEVAPRIYA M
28	611217105039	JEEVA SUDHAN K
29	611217105040	KAARTHICK M
30	611217105042	KARTHICK S
31	611217105043	KAVIN KUMAR S
32	611217105044	KAVIPRIYA S
33	611217105046	KEERTHANA S
34	611217105047	KEERTHIKA S
35	611217105050	KOWSALYA A
36	611217105053	LAKSHMI SARASWATHI M
37	611217105054	MADHANMOHAN V
38	611217105056	MAHILAN R
39	611217105057	MANI R
40	611217105058	MANJULA B N
41	611217105062	MOHAMED ARSHATH M
42	611217105063	MOHAMMED IFRAN S
43	611217105066	NANDHINI S
44	611217105069	NAVEEN PRASANTH G
45	611217105070	NAVEEN SURYA S

minungay, Knowledge institute of Technology Kakapalayam (Po), Salam-637 504

S.No	Register No	Name of the Student
46	611217105071	NITHEESH KUMAR R
47	611217105074	NITHEESH KUMAR S T
48	611217105075	PADMANABAN P
49	611217105076	PAVITHRAN M
50	611217105079	PRAVEENN
51	611217105080	PRIYADHARSAN P
52	611217105082	PRIYATHARINI I
53	611217105083	RAGAVIL
54	611217105085	RAGHUVINDER P S
55	611217105087	RAJKUMAR M
56	611217105089	RISHI KESAN D
57	611217105092	SARAVANADEVA C
58	611217105093	SASIKUMAR S
59	611217105095	SHANMUGA PRIYA S
60	611217105097	SIVARANJANI M
61	611217105099	SOUNTHAR A
62	611217105101	SRINITHI G P
63	611217105102	SUBHA SHREE B
64	611217105105	SURIYAPRAKASH D
65	611217105106	SURIYHA C
66	611217105107	SURYA PRAKASH.V
67	611217105110	TAMILNITHI G
68	611217105112	VAISHNOW M
69	611217105113	VEEBEEN V
70	611217105116	VIGNESHWARI E
71	611217105117	VIJAYA BARATH G
72	611217105119	VIJITH P S
73	611217105122	YOKESHWARAN I
74	611217105302	ESWARAN M
75	611217105303	GUNASEKARAN A
76	611217105306	NANDHINI A
77	611217105307	NAVEEN KUMAR S
78	611217105309	VIGNESH A S

B. Sund refiner

HoD/EEE

Principal, Rnowledge Institute of Technor Kakapalayam (Po), Salem-bur www.



2/38, First Floor, Kalaimagal Street, Swarnapuri, Salem - 636 004. © 0427-4042435 = 84288 86528 © e-mail: globalcaddtechnology@gmail.com © Web: www.globalcaddtech.com

Date: 04-11-18

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 Kakapalayam (Po), Salem-637 504

Empowering Cadd Trainers

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.

Knowledge Institute of Technology Kakapalavam (Do), Salem-637 6 Emponening Cadd Transer

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.

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KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637 504 Department of Electrical and Electronics Engineering Certification Course – Lesson Plan Schedule

Name of the Course:	Electrical wiring circuit	it design using Electric	cal CAD
Academic Year:	2018-2019		
Year/Sem:	11 / IV	Date:	28.12.18 to 12.1.19

Day	Session Timing	Course Content
1.	3.30pm to 7 pm	Introduction to CAD/CAM/CAE
2.	3.30pm to 7 pm	Introduction to Electrical CADBasic setup, coordinate System
3.	3.30pm to 7 pm	Line, XLine, Rectangle, Copy, OffsetPolygen, Array, Move, Rotate
4.	3.30pm to 7 pm	Mirror, Erase, Arc, Circles, TrimExtend, Scale, Stretch
5.	3.30pm to 7 pm	 Drawing Practice: Ellipse, Spline, Point, Donut, Extend, Break Fillet, Chamfer, Explode, Divide
6.	3.30pm to 7 pm	 Drawing Practice: Object Selection Method Drafting Settings, Properties, Match Properties, Block, Wblock
7.	3.30pm to 7 pm	 Drawing Practice: Hatch, Display, Order, Single line text Multi line text, Table, Boundary, Region
8.	3.30pm to 7 pm	 Drawing Practice: Parametric Modeling & Dimensioning
9.	3.30pm to 7 pm	 Drawing Test: Inserting Schematic Components, Symbols, Components from list

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10.	3.30pm to 7 pm	 Drawing Test: Connectors, Terminals, Multi-Level Terminals
11.	3.30pm to 7 pm	 Circuit Design Practice: Jumpers, Basic Utilities, Copying Catalogue and Location Values
12.	3.30pm to 7 pm	 Circuit Design Practice Swapping and Updation Blocks, Using the Auditing tools
13.	3.30pm to 7 pm	Evaluation Test
14.	3.30pm to 7 pm	Feedback and Valedictory

Certification Course Schedule - Resource Person Schedule

Total Days	Timings	Resource Person	Venue
14	AN- 3.30-7.00	Global CADD Technology 38, Kalaimagal St, Alagapuram Pudur, Salem, Tamil Nadu 636004	E-Block 3 rd Floor- MTLC & CC9 lab

B.So 24/12

CC Coordinator

HoD/EEE

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

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

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Students Attendence

	nic Year: 2018 of the Course:	Electrical wiring circuit desig	n using Elec	trical CA	D							ar/Sem: Timing:				l/III to 7.00pi
S.No	Register No	Name of the Student	28.12.18	29.12.18	31.12.18	1.01.19	2.01.19	3.01.19	4.01.19	05.01.19	07.01.19	08.01.19	09.01.19	10.01.19	11.01.19	12.01.19
1	611217105001	AAFREEN S	^	1	1	./	1	1	1	1	1	a	1		1	
2	611217105002	AARTH B	/	1	1	1	1	1	1	1	a	1	1	1	1	1
3	611217105003	ABARANJI S	1	1	1	1	1	1	1	1	1	1	1	a	1	1
4	611217105006	ABITH HUSSAIN M	1	1	1	1	a	1	1	1	1	1	1	/	1	1
5	611217105007	AHAMAD AKTHUS S	1	1	a	1	1	1	1	1	1	1	1	1	1	1
6	611217105008	AJITH KUMAR V	1	1	1	1	1	1	/	1	1	1	A	1	1	1
7	611217165009	ANANTHAPOOJA A	*	1	1	1	1	a	1	/	/	1	a	1	1	1
8	611217105010	BARANIP	1	1	1	1	1	1	1	1	1	1	1	1	1	-
9	611217105011	BHAVITHRA S	1	a	1	1	1	1	1	1	1	1	1	1	1	1
10	611217105012	BHUVANES C	1		1	11	1	1	a	1		1	1	1	1	a
11	611217105013	CIBIAAKASH M		1	1	a	1	1	1	1	1	1	1	1	1	7
12	611217105016	DEEBIKA 5	1	1	1	1			1	1	1	1	1	1	1	1
13	611217105017	DEEPAK R V	1	1	1	1	1	a	1	1	1	1	1	1	1	1
14	611217105019	DHARSHINI K M	1	1	a	1	1	1	1	a	a	A	1	1	1	1
15	611217105020	DIULIP A		1	1	1	1	1	1	1	1			1	a	1
16	611217105021	DINESH KANNA S	1	1	1	1	à	1	1			1	-	-	1	
17	611217105025	ESNEYAN	Q	1 2		1 1	,	1.	1	1.	1	1	1.	1	1	5
15	611217105020	GHOURI K	2	1	5	1	1	1	1	1	1	1	5		1	1
19	611217105027	GOBINATH L	1	1	1.	1	1	1	1	1	1	1	1	1	1	1
20	611217105028	GOKUL RAJ G	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	611217105050	GOWRI SHANKAR U		1	1		1	1	1	1	1	1	1	1	1	1
22	611217105031	GOWSIKA J		1	1	1	1	1		1	1	1	17	1	1	1
23	611217105032	GUNASEKARAN V	1	,	1		1	1	15	1	1	1	1	1	1	1
24	611217105034	HEMALATHA V	1	1	1 5	a	1	1	1	1	á	1	1	1	1	1
25	611217105036	JAGADEESH M	1	1	1 1	1	1	1 .		1	1 m	1	1	-	1	1
26	611217105037	JEEVA KP	1	1	1	1	1	1	1	1	1	1	1	1	A	1
27	611217105038	JEEVAPRIYA M	1	a	1	1	1	1	1	1 1	1 2	1	1	1		17
28	611217105039	JEEVA SUDHAN K		17	1	1	1	1	1 1	1	1	1	1	1	á	1
29	611217105040	KAARTHICK M	1	1	17	1	a	1	17	1	15	1	1		1	1
30	611217105040	KARTHICK S	1	1	17	1 1	1	1	a	15	1	1	a	1	17	
31	And a local distance in the second se	KAVIN KUMAR S	1	1	1	1	1	1	17	1	1	1	1	1	11	1
32	611217105043	KAVINKUMARS		17	1	1 5		1	1	15	1	1	1	1	1	1
33	611217105044	KEERTHANAS	1	1		1	1	1	1	1	1	1	1		1	-/
33	611217105046	KEERTHIKAS	1		9	1	1	1		1	1	a	1	1	1	1
35	611217105047			1	1	1	1	a	1	1	1	17	1	1	17	1
	611217105050	KOWSALYA A	-	1 1	1.	1.				1	× .	1		1	1	1
36	611217105053	LAKSHMI SARASWATHI M	9	17	1	-	1	1	1	1	A	1	1.	1.	1	1
	611217105054	MADHANMOHAN V		1	1	a	1		1	1	1	1	1	a	1	1
38	611217105056	MAHILAN R MANI R	,	1	1		17		1	a	1	1	1	17	11	
40	611217105057			1		1-1-	1	1	1	17	17	1	1	1	1	1
40	611217105058	MANJULA B N	1	1 1	1	1	12	-	1		1	1		1	1	a
41	611217105062	MOHAMED ARSHATH M		1				1	1	/	1/	1	110	11	1	

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

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Политисяния П	611217105069	NAVEEN PRASANTH G	1	-	1	1	1		1	-	-	-	-	-	-	-
NEW BAR MARKET 1	611217105070	NAVEEN SURVAS	1	1	1	1	6	1	1	5	1	1	1		1	6
Полномот П	611217105071	NITHEESH KUMAR R	1	1	1	1	1	1	1	1		1	1	/	1	-
Антонии П<	611217105074	NITHEESH KUMAR S T	,	1	/	/	1	/		~	-		/	/	1	-
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Полноволь <	611217105079	PRAVEEN N		-	1	-	-	-	-	ď		-	,	-		
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SURVINC //// ///// ///// //////	611217105105	SURIY APRAKASH D	6	~		1	/	1	1	1	1	1	1	1	-	1
STERN PERSON 7 3 <	611217105106	SURVHA C	1	-	/		,	/	/	1	-	/	-		1	1
Плантия Г<	101201212110	SURVA PRAKASH V		-	~	6	-		~	1	-	-	1	/	1	1
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$\frac{\text{ANDIENA}}{\text{NAVEEN KUMARS}} \frac{1}{1} \frac{1}$	611217105303	GUNASEKARAN A		-	-		-	-		-			8		,	-
$\frac{\text{INVERSIONS}}{\text{VICNERIAS}} = \frac{1}{15} \frac{1}$	611217105306	NANDHINI A	1	-	-	-	-	-	-	-		-	-	-		1
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$ \sqrt{5} \sqrt{14} $	611217105309	VIGNESH A S	1	-		-		-	-	-	1	-	-	-	-	
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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:	2018-2019		
Year/Sem:	II / IV		
Name:	shanmuqa Paiyas		
Reg No:	611212 105095	Date:	12.01.19

Part A

(10x2=20)

- 1. Define Cad?
- 2. What Is Cad System?
- 3. List the Elements Of Cad; (or) Various Phases Of Cad?
- 4. What Is Drawing Entities?
- 5. What Are The Editing Commands In Cad?
- 6. What Is Geometric Modeling?
- 7. List the Geometric Modeling Techniques?
- 8. Compare 2d Vs 3d?
- 9. What Are The Various 2d Transformations?
- 10. What Are The Advantages Of Solid Modeling?

Part B

(15X2=30)

- Draw the Electrical Symbols of Resistor, Capacitor, Inductor, Diode, TRIAC, DIAC, 1 phase Induction motor, Synchronous motor and Transformer in CAD Software.
- Construct the circuit diagram of single phase Induction motor load test using CAD Software.

S.No	Particulars	Marks Allocated	Marks Awarded
1	Test	50	47
2	Viva- Voce	20	10
3	Assignments and Participation	30	21
	Total	100	48

Evaluator Sign

Knowledge Institute of Technolog Kakapalayam (Po), Salem-637 50-



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:	2018-2019		
Year/Sem:	II / IV		
Name:	vignesh As		
Reg No:	61121710509	Date:	12.01.19

Part A

(10x2=20)

- 1. Define Cad?
- 2. What Is Cad System?
- 3. List the Elements Of Cad; (or) Various Phases Of Cad?
- 4. What Is Drawing Entities?
- 5. What Are The Editing Commands In Cad?
- 6. What Is Geometric Modeling?
- 7. List the Geometric Modeling Techniques?
- 8. Compare 2d Vs 3d?
- 9. What Are The Various 2d Transformations?
- 10. What Are The Advantages Of Solid Modeling?

Part B

(15X2=30)

- 1. Draw the Electrical Symbols of Resistor, Capacitor, Inductor, Diode, TRIAC, DIAC, 1 phase Induction motor, Synchronous motor and Transformer in CAD Software.
- 2. Construct the circuit diagram of single phase Induction motor load test using CAD Software.

S.No	Particulars	Marks Allocated	Marks Awarded
1	Test	50	le t
2	Viva- Voce	20	15
3	Assignments and Participation	30	25
	Total	100	25

Knowleage Institute of Technolog cipal,

(akepalavam (Po), Salem-637

Evaluator Sign

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

Academic Year: 2018-19

Year/Sem: II/IV

Date: 12/01/2019

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

No	Register No	Name of the Student	Mark Secured (100)	STATUS
1	611217105001	AAFREEN S .	85	Certified
2	611217105002	AARTHI B	78	Certified
3	611217105003	ABARANJI S	85	Certified
4	611217105006	ABITH HUSSAIN M	78	Certified
5	611217105007	AHAMAD AKTHUS S	91	Certified
6	611217105008	AJITH KUMAR V	86	Certified
7	611217105009	ANANTHAPOOJA A	84	Certified
8	611217105010	BARANI P	72	Certified
9	611217105011	BHAVITHRA S	90	Certified
10	611217105012	BHUVANES C	84	Certified
11	611217105013	CIBIAAKASH M	96	Certified
12	611217105016	DEEBIKA S	97	Certified
13	611217105017	DEEPAK R V	85	Certified
14	611217105019	DHARSHINI K M	70	Certified
15	611217105020	DHILIP A	75	Certified
16	611217105021	DINESH KANNA S	96	Certified
17	611217105025	ESNEYA N	97	Certified
18	611217105026	GHOURI K	91	Certified
19	611217105027	GOBINATH L	86	Certified
20	611217105028	GOKUL RAJ G	88	Certified
21	611217105030	GOWRI SHANKAR U	72	Certified
22	611217105031	GOWSIKA J	90	Certified
23	611217105032	GUNASEKARAN V	84	Certified
24	611217105034	HEMALATHA V	96	Certified
25	611217105036	JAGADEESH M	96	Certified
26	611217105037	JEEVA KP	85	Certified
27	611217105038	JEEVAPRIYA M	70	Certified
28	611217105039	JEEVA SUDHAN K	75	Certified
29	611217105040	KAARTHICK M	96	Certified
30	611217105042	KARTHICK S	72	Certified
31	611217105043	KAVIN KUMAR S	85	Certified
32	611217105044	KAVIPRIYA S	78	Certified
33	611217105046	KEERTHANA S	85	Certified
34	611217105047	KEERTHIKA S	80	Certified
35	611217105050	KOWSALYA A	91	Certified
36	611217105053	LAKSHMI SARASWATHI M	86	Certified
37	611217105054	MADHANMOHAN V	84	Certified
38	611217105056	MAHILAN R	94	Certified
39	611217105057	MANI R	90	Certified

N Principal, Knowledge Institute of Technology Akapalayam (Po), Salam-837 67

S.No	Register No	Name of the Student	Mark Secured (100)	STATUS
40	611217105058	MANJULA B N	85	Certified
41	611217105062	MOHAMED ARSHATH M	78	Certified
42	611217105063	MOHAMMED IFRAN S	85	Certified
43	611217105066	NANDHINI S	78	Certified
44	611217105069	NAVEEN PRASANTH G	91	Certified
45	611217105070	NAVEEN SURYA S	86	Certified
46	611217105071	NITHEESH KUMAR R	84	Certified
47	611217105074	NITHEESH KUMAR S T	76	Certified
48	611217105075	PADMANABAN P	90	Certified
49	611217105076	PAVITHRAN M	84	Certified
50	611217105079	PRAVEEN N	96	Certified
51	611217105080	PRIYADHARSAN P	97	Certified
52	611217105082	PRIYATHARINI I	85	Certified
53	611217105083	RAGAVIL	70	Certified
54	611217105085	RAGHUVINDER P S	75	Certified
55	611217105087	RAJKUMAR M	82	Certified
56	611217105089	RISHI KESAN D	80	Certified
57	611217105092	SARAVANADEVA C	90	Certified
58	611217105093	SASIKUMAR S	86	Certified
59	611217105095	SHANMUGA PRIYA S	78	Certified
60	611217105097	SIVARANJANI M	91	Certified
61	611217105099	SOUNTHAR A	86	Certified
62	611217105101	SRINITHI G P	84	Certified
63	611217105102	SUBHA SHREE B	96	Certified
64	611217105105	SURIYAPRAKASH D	85	Certified
65	611217105106	SURIYHA C	70	Certified
66	611217105107	SURYA PRAKASH.V	75	Certified
67	611217105110	TAMILNITHI G	96	Certified
68	611217105112	VAISHNOW M	72	Certified
69	611217105113	VEEBEEN V	85	Certified
70	611217105116	VIGNESHWARI E	78	Certified
71	611217105117	VIJAYA BARATH G	85	Certified
72	611217105119	VIJITH P S	80	Certified
73	611217105122	YOKESHWARAN I	91	Certified
74	611217105302	ESWARAN M	86	Certified
75	611217105303	GUNASEKARAN A	84	Certified
76	611217105306	NANDHINI A	94	Certified
77	611217105307	NAVEEN KUMAR S	90	Certified
78	611217105309	VIGNESH A S	85	Certified

B. Sanda 13119 CC Coordinator

HoD/EEE

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



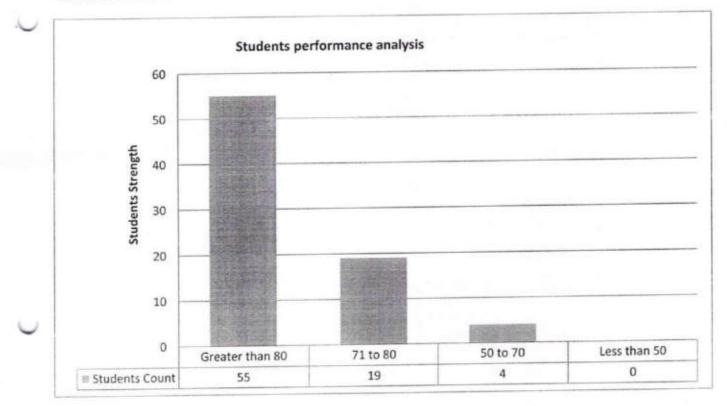
KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Mark Evaluation Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD 2018-2019		
Academic Year:			
Year/Sem:	II / IV	Date:	28.12.18 to 12.1.19

Total No of Students Enrolled: 78



Serving 3109 **CC** Coordinator

HoD/EEE

Principal, Knowledge Institute of Technology (akapalayam (Po), Salem, Participal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. MAHILAN R - I - EEE Reg. No. <u>bil21710505b</u> 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 28.12.2018 to 12.1.2019.

COORDINATOR Mr.S.Sivaraj GLOBAL CADD TECHNOLOGY

Dr.C.Muniraj Professor & Head / EEE KIOT

VICE PRINCIPAL Dr. K. Visagavel Dr. PSS. Srinivasan KIOT Principal, KIOT Knowledge Institute of Technology (akanalayam (Po) Salem-637.57



KNOWLEDGE INSTITUTE OF TECHNOLOGY (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai (Accredited by NAAC.)) NH - 47, KIOT COMPUS, KAKAPALAYAM, SALEM – 637 504. GLOBAL CADD TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. MANI. R - II - EEE

Reg. No. <u>611217105057</u> 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 28.12.2018 to 12.1.2019.

COORDINATOR Mr.S.Sivaraj GLOBAL CADD TECHNOLOGY

Dr.C.Muniraj Professor & Head / EEE KIOT

VICE PRINCIPAL Dr. K. Visagavel M Dr. PSS. Srinivasan KIOT Principal, KIOT Knowledge Institute of Technology



KNOWLEDGE INSTITUTE OF TECHNOLOGY (Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai (Accredited by NAAC.)) NH - 47, KIOT COMPUS, KAKAPALAYAM, SALEM – 637 504. GLOBAL

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF COMPLETION

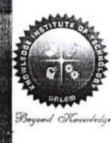
This is to certify that Mr. / Ms. KAVIPRIYA . 8 - II - EEE

Reg. No. <u>611217105044</u> 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 28.12.2018 to 12.1.2019.

COORDINATOR Mr.S.Sivaraj GLOBAL CADD TECHNOLOGY

Dr.C.Muniraj Professor & Head / EEE KIOT

VICE PRINCIPAL Dr. K. Visagavel KIOT Principal, KIOT Knowledge Institute of Technology (skapalavam (Po), Salem-637.51





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

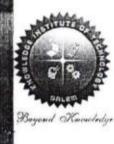
CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. _________ DHILIP . A _______ - II - EEE Reg. No. ________ 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 28.12.2018 to 12.1.2019.

COORDINATOR Mr.S.Sivaraj GLOBAL CADD TECHNOLOGY

Dr.C.Muniraj Professor & Head / EEE KIOT

PRINCIPAL VICE PRINCIPAI Dr. K. Visagave Dr. PSS. Srinivasan KIOT KIOT (akapalayam (Po), Salam-637 504





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr. / Ms. <u>AAFREEN .S - I · EEE</u> Reg. No. <u>611217105001</u> 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 28.12.2018 to 12.1.2019.

COORDINATOR Mr.S.Sivaraj GLOBAL CADD TECHNOLOGY

Dr.C.Muniraj Professor & Head / EEE KIOT

W tollowner

VICE PRINCIPAL PRINCIPAL Dr. PSS. Srinivasan Dr. K. Visagavel KIOT Finite of Technologi KIOT (skapalavam (Po), Salem-637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING FEEDBACK FORM

Type of Course: Certificate / Value Added / Vocational Educational Training

Name of the Student: AOAHAN .B

Course Title: Electrical withing which durign wing Electrical CAD Year/Sem: [1] [1] Dept : FFE Date: 24/12/13

	Pl	ease Tick	mark on the app	oropriate	box	
Parameters	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		\checkmark				

Positive points about the Lecture:

*) Very we ful lecture *) Intereiting to design

Suggestions for improvement:

*) need more practice

(Signature of the student)

Kakapalayam (Po), Salem-637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING FEEDBACK FORM

Type of Course: Certificate / Value Added / Vocational Educational Training

Name of the Student: KUNTWNA-S

Year/Sem: 110

Course Title: Electrical wining incuit durigh using Electrical (AD

Date: 24/12/18

	Pl	Please Tick mark on the appropriate box								
Parameters	Excellent (5)	Good (4)	5.1571		Very Poor (1)					
Resource person knowledge on the Course		~								
Course Delivery			1							
Practical Experience		\checkmark								
Additional resources available										
Overall rating about lecture and Training			~							

Positive points about the Lecture:

s) Lecture is good. very integesting to learn

Suggestions for improvement:

to used some more classes

(Signature of

Rnowledge Institute of Technology Kekapalayam (Po). Salem.com.com

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: Jaeva k. P

Course Title: Electrical wing circuit design using Electrical CAD Year/Sem: [1][]

Dept : EEE

Date: 24/12/18

	Please Tick mark on the appropriate box								
Parameters	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	~		Port						

Positive points about the Lecture:

*) Learned something apart from a cade mile *) easy to understand

Suggestions for improvement:

*) Need more examples

JeeVar X. P. (Signature of the student)



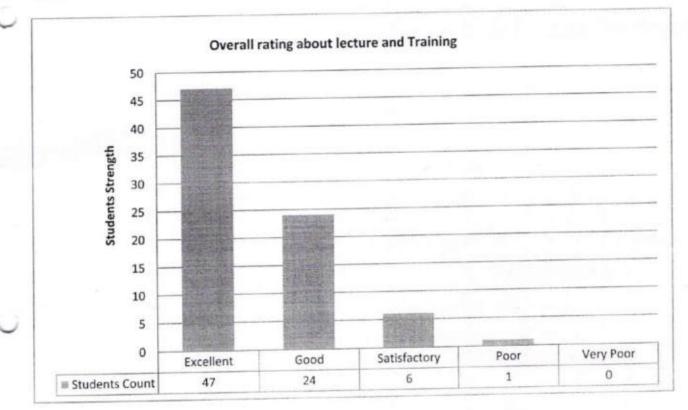
KNOWLEDGE INSTITUTE OF TECHNOLOGY

Department of Electrical and Electronics Engineering

Feedback Analysis Report

Name of the Course:	Electrical wiring circuit design using Electrical CAD						
Academic Year:	2018-2019						
Year/Sem:	II / IV	Date:	28.12.18 to 12.1.19				

Total No of Students Enrolled: 78



- and mighting

CC Coordinator

HoD/EEE

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



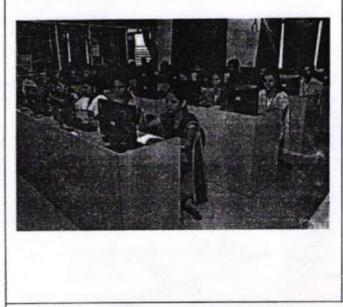
13-19

Department of Computer Science and Engineering

	REPORT OF THE EVENT									
Date	12.06.2018 - 15.06.2018	Resource person	Prof. P.Sachidhanandam, Assistant Professor, CSE, KIOT							
Time 9.00am - 5.00pm		Title	Problem Solving and Computer Programming using E-Box (Module I)							
Venue	CC7 & CC8	No. of Participants	270							

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



KNOWLEDGE INSTITUTE OF TECHNOLOGY

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

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

Course Syllabus

Fundamentals in Computer Programming Fu

- ✓ ASimple 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

- ✓ What is function?
- ✓ Why function?
- ✓ Advantages of using functions
- ✓ Function Prototype
- ✓ Defining a function
- ✓ Calling afunction
- ✓ 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

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

Function

01.06.2018 Salem

From

Prof.R.Saranya, Assistant Professor, Department of Computer Science and Engineering Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "Problem Solving and Computer Programming using E-Box (Module I)" from 12.06.2018 - 15.06.2018 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.	NAME OF THE	VENUE	RESOURCE PERSON
NO.	PROGRAM	DATE & TIME	
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module I)	CC7, CC8 12.06.2018 to 15.06.2018 9.00am - 5.00pm	Prof . P.Sachidhanandam Assistant Professor, Department of Computer Science and Engineering

Thank you,

HOD/CSE

Yours truly,

PRINCIPAL

KNC	WLEDGE INSTITUTE OF TEC	CHNOLOGY, SA	LEM - 637 504			
	CIRCULA	R				
Circular No.	2018/CC/ODD/01 Date 04.06.20					
То	All II Year Students					
Subject	Certificate Course on Proble using E-Box (Module I)	em Solving and Co	omputer Programming			
Circular issued by	Department of Computer Sc	ience and Enginee	ring			

This is to inform you that Department of Computer Science and Engineering has planned to conduct a **CERTIFICATE COURSE** on **Problem Solving and Computer Programming using E-Box** (Module I) in association with Amphisoft for ALL the II year students. Interested students are requested to register their names to the course In-charge.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module I)	CC7, CC8 12.06.2018 to 15.06.2018 9.00am - 5.00pm	Prof . P.Sachidhanandam Assistant Professor, Department of Computer Science and Engineering
ourse Inc	harge: Prof. R.Saranya, Assi	istant Professor/CSE	

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HOD/CSE	PRINCIPAL

MECH	VP Office	CIVI	EEE	ECE	CSE	S& H	PD	LIB	EMS	AO	Trans- port	[Locta]	Director/	Director/ Placement		lential Irden	College NB	Office/ File	Class Circula-	Security Office	KBS	Reception .
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

12.06.2018 - 15.06.2018

Sl.No	Year	Register Number	Student Name
1	ΠА	611217104001	AAKASHMC
2	II A	611217104003	AISHWARYA K
3	ΠA	611217104005	ANITHA R
4	II A	611217104007	BALAKRISHNAN C
5	ША	611217104008	BHARATHY KANNAN M R
6	ΠА	611217104009	BHAVANIS
7	II A	611217104011	DARSHANA A
8	ΠA	611217104013	DEEPA K
9	ΠA	611217104016	DHANUSEYA M
10	ΠA	611217104017	DHARANIDHARAN M
11	ΠА	611217104019	DHIKSHA M P
12	ΠA	611217104020	DHILEEP N
13	II A	611217104023	DINESHKUMAR S
14	II A	611217104024	DIWAGAR S
15	II A	611217104026	ELANGO A
16	II A	611217104028	GOKULA PRIYA V
17	IIA	611217104029	GOKULRAJ P
18	IIA	611217104030	GOKULRAJAN M
19	ΠA	611217104031	GOUTHAM P
20	ΠA	611217104032	GOWTHAM G
21	ΠА	611217104034	HARI PRASANTH M
22	II A	611217104036	JAGADEEP T
23	II A	611217104037	JANANI B (02.03.2000)
24	IIА	611217104039	KARTHIK T S
25	ΠA	611217104040	KAVIN SARVESH A
26	IIA	611217104043	MANISH T
27	IIA	611217104044	MEENAAKUMARI P

Enrolled Student NameList

28	ΠА	611217104046	MITHILESH K S
29	ΠА	611217104048	MOHANAPRIYA K
30	ΠА	611217104049	MONIGA SAROJA E
31	IIA	611217104051	MONISHKUMAR B
32	IIA	611217104052	MURALI KRISHNAN M
33	IIA	611217104054	NAGAPRIYA N
34	ΠA	611217104056	NAVEENA M
35	II A	611217104057	PADMAVEERASHREE L
36	ΠВ	611217104060	POOJA C
37	II B	611217104066	PRAVEEN S
38	II B	611217104071	PRIYADHARSHNI A
39	II B	611217104072	PRIYADHARSHINI M
40	II B	611217104076	RAJAMANI G
41	II B	611217104078	RANJIT PRASATH S
42	II B	611217104079	ROOBAN KUMAR R
43	II B	611217104086	SANTHIYA G
44	II B	611217104088	SARAN S
45	II B	611217104090	SATHAPPAN M
46	ШВ	611217104094	SHWETHA S
47	II B	611217104099	SOUNDAR T
48	II B	611217104101	SOUNDHARYA S M
49	II B	611217104104	SOWNDHARYA S
50	II B	611217104106	SRI PAVISH U
51	II B	611217104108	SUBASH S
52	ΠВ	611217104112	SURIYA M
53	ΠВ	611217104113	SURYA GANESH H A
54	ШВ	611217104116	VAISHNAVIE R
55	ΠВ	611217104118	VIGNESH J
56	ΠВ	611217104120	VIJAYS
57	II B	611217104302	SRI VAIGUNTHA M

18 Faculty Incharge

HOD

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

12.06.2018 - 15.06.2018 | Students Enrollment List

Sl.No Year		Register Number	Student Name		
1	111	611216105001	AJAY KUMAR K		
2	111	611216105002	ASHOKRAJA M		
3	III	611216105003	BABU C		
4	III	611216105004	BHATHIRI NARAYANAN S		
5	III	611216105005	BRUNTHA S		
6	III	611216105006	CHANDRA PRAKASH D		
7	111	611216105007	CIBI KRISHNAN K		
8	III	611216105008	DHANVIN R		
9	Ш	611216105009	DHEENADHAYAL B		
10	Ш	611216105010	DURAIRAJ C		
11	Ш	611216105011	ELAKIYA V		
12	III	611216105012	ELAVARASAN K		
13	III	611216105013	FRANCO SELVANATHAN J		
14	Ш	611216105014	GOKULAPRIYA A		
15	III	611216105015	GOWRI SHANKAR M		
16	III	611216105016	GOWSALYA V		
17	III	611216105017	GOWTHAM S		
18	III	611216105018	HARI DHARANI S		
19	III	611216105019	HARIHARAN G		
20	111	611216105020	ILAMATHY R		
21	III	611216105021	INFANT RAJ F		
22	III	611216105022	ISWARYA V		
23	III	611216105023	JANANI B		
24	III	611216105024	JAYASURIYA R		
25	III	611216105025	KAMALAPRIYA SIVAMOORTHY		
26	III	611216105026	KANNAN R K		
27	111	611216105027	KARTHIK RAJA S		
28	Ш	611216105028	KEERTHIVASAN K		
29	Ш	611216105029	KIRANRAJ K		
30	m	611216105030	KRITHIGA A K		
31	Ш	611216105031	LOGANATHAN G		
32	III	611216105032	LOGAPRIYA S		
33	Ш	611216105033	MAHESHKUMAR S		
34	III	611216105034	MAHESWARIL		
35	Ш	611216105035	MALLIKRISHNAN M		
36	III	611216105036	MANOPRIYA K		
37	III	611216105038	MOHANA PRIYA C		
38	III	611216105039	MONICA S		
39	Ш	611216105040	MONICA S L		
40	III	611216105041	MONIGA L		
41	III	611216105042	MUGESHRAJ R		
42	III	611216105043	NANDHINI G		
43	III	611216105044	NARMADHA R		
44	III	611216105045	NAVEENVIGNESH R		
45	III	611216105047	PAVITHRA K		
46	III	611216105048	PIRUTHIKA S		
47	Ш	611216105049	POONGODI A		

PH NLIPAL. Anowledge Institute of Technology *akapelavam (PO) Selem - 6 - 1 - -

SI.No	Year	Register Number	Student Name
48	III	611216105050	POONKUILAN S
49	111	611216105051	POOVARASAN A
50	III	611216105052	PREETHA S
51	III	611216105053	PREETHI K A
52	Ш	611216105054	PRIYA DHARSHIKA M
53	111	611216105057	PUGALARASAN M
54	III	611216105058	RAHUL A N
55	111	611216105059	RAMYA S
56	111	611216105060	RAMYA PRIYANGAA S R
57	III	611216105061	RANJITH P
58	III	611216105063	SANGEETHA P R
59	Ш	611216105064	SARANRAJ S
60	III	611216105065	SATHISH R
61	111	611216105066	SHARMILA V
62	III	611216105067	SIVAKUMAR G
63	III	611216105068	SIVAKUMAR M
64	III	611216105069	SIVA PRAKASH S V
65	111	611216105070	SOUNDHARYADEVI G
66	III	611216105072	SRIPAVATHAARANI S
67	III	611216105073	SUTHARSANAN E
68	III	611216105074	SWETHA P
69	III	611216105075	SYED DAANISH M
70	III	611216105076	TAMILARASAN V
71	III	611216105077	THOGAI VADIVU V
72	III	611216105078	UDHAYA I
73	III	611216105079	VASHIFA S
74	III	611216105081	VIGNESH M
75	III	611216105082	VIGNESH S
76	III	611216105083	VIGNESHWARAN K
77	III	611216105084	VINOTHKUMAR A
78	III	611216105085	YAGESHWARAN S
79	III	611216105086	YUHANA SHERIN S
80	III	611216105087	YUVARANI N
81	III	611216105301	BABU SHANKAR S K
82	III	611216105303	BARGAVIM
83	111	611216105305	GOKULNATH K
84	III	611216105306	MADHANKUMAR J
85	III	611216105307	MANI SHANKAR M
86	111	611216105308	MOHANRAJ S
87	III	611216105309	NAVEENKUMAR R
88	III	611216105310	PRASANTH M
89	111	611216105313	RADHA K
90	III	611216105314	RAGUL S
91	III	611216105316	SANTHOSHKUMAR M
92	III	611216105319	THAMARAISELVAN R
93	m	611216105701	GUMUTHAA S
93	m	611216105702	RAVIKUMAR L

Bept. CC Coordinator

HOD/EEE

2m PRINCIPAL.

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
	FN	Fundamentals in Computer Programming, Identifiers, Keywords Variables, Data Types, Declaration of Variable
DAY 1	AN	Operators and Expressions, Data types, Control statements Conditional Control Statements
	FN	Function, Function Prototype, Defining a function, Calling a function
DAY 2	AN	Recursion, Nested functions, main() function, Library Function, Local and global variables
	FN	Pointer, Def of Pointer, Declaration of Pointer Variables, Assigning Address to Pointer Variables, De-referencing Pointer Variables
DAY 3	AN	Pointer to Pointer, Pointer Arithmetic, Pointer comparisons, De-reference and increment pointer, pointer to const data, const pointer
	FN	Pointer and Function, Parameter Passing Techniques call by value, call by address, Using Pointers as Arguments Function Returning value
DAY 4	AN	Calling A function through function pointer, passing A function's address as an Argument to other function, Functions with variable number of arguments

152

Course Cordinator

111 HOD

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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

12.06.2018 - 15.06.2018 | Course Attendance

Sl.No	Year	Register Number	Student Name	12.6.12	13.6.18	14.18	5.6.
1	ΠA	611217104001	AAKASH M C	1	1	1	1
2	ΠA	611217104003	AISHWARYA K	1	11	1	a
3	ПА	611217104005	ANITHA R	1	1	1	1
4	ΠА	611217104007	BALAKRISHNAN C	1	11	1	1
5	ΠА	611217104008	BHARATHY KANNAN M R	a	11	1	
6	ΠА	611217104009	BHAVANIS	1	1	· ,	1
7	ΠА	611217104011	DARSHANA A	i	1:	0	1
8	ΠA	611217104013	DEEPA K	1	1,	a	,
9	ΠА	611217104016	DHANUSEYA M	1	1		
10	ΠA	611217104017	DHARANIDHARAN M	1	11		1,
11	IIA	611217104019	DHIKSHA M P	1	1		1
12	ША	611217104020	DHILEEP N	1	a		1.
13	ΠА	611217104023	DINESHKUMAR S	1	- /		
14	IIA	611217104024	DIWAGAR S	1	1		
15	IIA	611217104026	ELANGO A	1	1	- (1,
16	ПА	611217104028	GOKULA PRIYA V			(. /
17	ПА	611217104029	GOKULRAJ P	1	(. /
18	ΠА	611217104030	GOKULRAJAN M	1	,	-1-	
19	ПА	611217104031	GOUTHAM P	1	- 1		
20	IIA	611217104032	GOWTHAM G				1
21	ΠА	611217104034	HARI PRASANTH M				
22	IIA	611217104036	JAGADEEP T				_/_
23	ΠА	611217104037	JANANI B (02.03.2000)				1
24	ПА	611217104039	KARTHIK T S	- /			1
25	ПА	611217104040	KAVIN SARVESH A	1	-!-		1
26	IIA	611217104043	MANISH T	- (-		1	
27	ΠA		MEENAAKUMARI P			1	/
28	ПА		MITHILESH K S		-(-/	1
29	IIA		MOHANAPRIYA K			1	1
30	IIA		MONIGA SAROJA E		1	/	1
31	ПА		MONISHKUMAR B		1	1	1
32	IIA		MURALI KRISHNAN M		1	1	1
33	IIA		NAGAPRIYA N	- / -	1	1	1
34	ПА		NAVEENA M	1	1	1	1
35	ПА		PADMAVEERASHREE L	1	1	1	1

36	ШВ	611217104060	POOJA C	1	1	1	1
37	ΠВ	611217104066	PRAVEEN S	1	1	I	1
38	ПB	611217104071	PRIYADHARSHNI A	1	1	1	+ 1
39	ΠВ	611217104072	PRIYADHARSHINI M	11	1	1 1	
40	II B	611217104076	RAJAMANI G	11	1	1	1
41	ΠВ	611217104078	RANJIT PRASATH S	11		1 ;	
42	ΠВ	611217104079	ROOBAN KUMAR R	i	11	1 ;	+ 4
43	ΠВ	611217104086	SANTHIYA G	11	11	1 .	11.
44	ΠВ	611217104088	SARANS	1	1		+ -
45	ΠВ	611217104090	SATHAPPAN M	1 1	+ (a	1 /
46	ΠВ	611217104094	SHWETHA S	1	11	1 !	1
47	ΠВ	611217104099	SOUNDAR T	1 ;	1 .	1 !	1 !
48	ΠВ	611217104101	SOUNDHARYA S M	1 ;	1 ;	1.	1 ;
49	ΠВ	611217104104	SOWNDHARYA S	1	1 ;	1 1	+ /
50	II B	611217104106	SRI PAVISH U	1	1,	1:	+ -
51	ШВ	611217104108	SUBASH S	1	1	1.	+ ;
52	ШВ	611217104112	SURIYA M	1		11.	1 ;
53	ШΒ	611217104113	SURYA GANESH H A	1	1	1:	1 ;
54	ΠВ	611217104116	VAISHNAVIE R	1	1		1 :
55	ΠВ	611217104118	VIGNESH J	1	1		1
56	ΠВ	611217104120	VIJAYS		1	1	1
57	ΠВ	611217104302	SRI VAIGUNTHA M	1	1	1	1
				_	1		. 1
-			No. of Students Present	55	55	55	56
		1-2-2-1	No of Students Absent	02	02	02	10

Faculty Incharge 18

HOD

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

SI.No	Year	Register Number	Student Name	12.06.18	13.06.18	14.06.18	15.06.18
1	III	611216105001	AJAY KUMAR K	1	1	/	1
2	III	611216105002	ASHOKRAJA M	1	1	1	1
3	III	611216105003	BABU C	9	1	1	1
4	III	611216105004	BHATHIRI NARAYANAN S	/	/	1	1
5	III	611216105005	BRUNTHA S	/	/	9	1
6	III	611216105006	CHANDRA PRAKASH D	1	1	1	1
7	III	611216105007	CIBI KRISHNAN K	/	1	1	1
8	111	611216105008	DHANVIN R	1	1	1	1
9	111	611216105009	DHEENADHAYAL B	1	1	1	1
10	III	611216105010	DURAIRAJ C	1	1	1	1
11	III	611216105011	ELAKIYA V	1	1	/	1
12	III	611216105012	ELAVARASAN K	1	1	я	1
13	III	611216105013	FRANCO SELVANATHAN J	1	1)'	1
14	III	611216105014	GOKULAPRIYA A	1	1	1	1
15	III	611216105015	GOWRI SHANKAR M	1	1	1	1
16	III	611216105016	GOWSALYA V	1	1	1	1
17	III	611216105017	GOWTHAM S	1	1	1	q
18	III	611216105018	HARI DHARANI S	a	1	1	1
19	III	611216105019	HARIHARAN G	1	1	1	1
20	III	611216105020	ILAMATHY R	1	1	1	1
20	III ·	611216105020	INFANT RAJ F	1	1	1	1
22	III	611216105022	ISWARYA V	1	1	9	1
23	III	611216105022	JANANI B	1	1	1	1
24	III	611216105025	JAYASURIYA R	1	1	1	1
25	III	611216105025	KAMALAPRIYA SIVAMOORTHY	1	1	1	9
26	III	611216105025	KANNAN R K	1	1	1	1
27	Ш	611216105027	KARTHIK RAJA S	- 1	1	1	1
28	III	611216105028	KEERTHIVASAN K	9	1	1	1
29	III	611216105029	KIRANRAJ K	1	1	1	1
30	III	611216105030	KRITHIGA A K	,	1	1	1
31	III	611216105030	LOGANATHAN G	1	1	1	1
32	III	611216105032	LOGAPRIYA S	1	1	1	1
33	Ш	611216105033	MAHESHKUMAR S	1	1	1	1
34	III ·	611216105034	MAHESWARI L	1	1	1	1
35	Ш	611216105035	MALLIKRISHNAN M	1	1	1	1
36	III	611216105036	MANOPRIYAK	1	1	1	9
	III	611216105038	MOHANA PRIYA C	1	1	1	1
37		611216105039	MONICA S	1	1	1	1
38	III	611216105039	MONICA S L	g	1	1	1
39	III	611216105040	MONICA S L	1	1	1	1
40		611216105041	MUGESHRAJ R	,	1	1	1
41	111		NANDHINI G	1	1	1	1
42	III	611216105043 611216105044	NARMADHA R	- 1		1	1
43	<u>III</u>	and the second	NAVEENVIGNESH R		15	1	1
44	Ш	611216105045			1	1	1
45	III	611216105047	PAVITHRA K PIRUTHIKA S		1	1	1
46	Ш	611216105048			1	1	1
47	III	611216105049	POONGODI A	1		/	

12.06.2018 - 15.06.2018 | Course Attendance

PHINCIPAL.

Anowledge Institute #Technology *akapelayam (PO) Selem - 637 per

SLNo	Year	Register Number	Student Name	12.06.18	13.06.18	14.06.18	15.06.18
48	10	611216105050	POONKUILAN S	1	1		1
49	III	611216105051	POOVARASAN A	1	1		
50	III	611216105052	PREETHA S	1	1	/	- /
51	111	611216105053	PREETHI K A	1	1	1	d
52	111	611216105054	PRIYA DHARSHIKA M	1	1		
53	III	611216105057	PUGALARASAN M	1	1		1
54	111	611216105058	RAHUL A N	1	1		- /
55	III	611216105059	RAMYA S	1	/		1.
56	111	611216105060	RAMYA PRIYANGAA S R	a	1	1	
57	III	611216105061	RANJITH P	1		1	1
58	III	611216105063	SANGEETHA P R	1	1	1	
59	III	611216105064	SARANRAJ S	1	/	1	1
60	III	611216105065	SATHISH R	1	1	1	1
61	III	611216105066	SHARMILA V	1	1	1	1
62	III	611216105067	SIVAKUMAR G	/	1	/	1
63	III	611216105068	SIVAKUMAR M	1	1		1
64	Ш	611216105069	SIVA PRAKASH S V	1	1		1
65	III	611216105070	SOUNDHARYADEVI G	1	1	1	1
66	III	611216105072	SRIPAVATHAARANI S	1	1	/	1
67	III	611216105072	SUTHARSANAN E	1	1	1	1
68	III	611216105074	SWETHA P	/	1	/	1
69	III	611216105075	SYED DAANISH M	1	a	1	1
70	m	611216105076	TAMILARASAN V	/	1	1	1
71	III	611216105077	THOGAI VADIVU V	1	1	1	1
	111	611216105078	UDHAYA I	1	1	1	1
72		611216105079	VASHIFA S	1	1	1	1
73	III	611216105081	VIGNESH M	1	1	1	1
74	III	611216105081	VIGNESH S	1	1	1	1
75	III	611216105082	VIGNESHWARAN K	1	1	1	1
76	Ш	and the property of the proper	VINOTHKUMAR A	1	1	1	/
77	III	611216105084	YAGESHWARAN S	1	1	1	1
78	III	611216105085	YUHANA SHERIN S	,	1	1	/
79	Ш	611216105086	YUVARANI N	1 -	1	1	1
80	III	611216105087	BABU SHANKAR S K	1	1	1	1
81	III	611216105301	BARGAVIM	1	1	1	1
82	ШГ	611216105303	GOKULNATH K	1	1	r	1
83	III	611216105305	MADHANKUMAR J	1	1	1	1
84	111	611216105306	MADHANKOMAR J MANI SHANKAR M	a	1	1	1
85	Ш	611216105307		1	1	1	1
86	III	611216105308	MOHANRAJ S	1	1		1
87	Ш	611216105309	NAVEENKUMAR R	1	1	1	1
88	III	611216105310	PRASANTH M	1	1	1	1
89	III	611216105313	RADHAK	1	1	1	1
90	III	611216105314	RAGUL S		1	1	a
91	III	611216105316	SANTHOSHKUMAR M	1	1	1	1
92	III	611216105319	THAMARAISELVAN R			1	1
93	III	611216105701	GUMUTHAA S			1	1
94	111	611216105702	RAVIKUMAR L	1			-
		a	No. of Students Present		93	91	89
-			No of Students Absent	6	1 1	3	5

Helus B. Serton Dept. Coordinator

HOD/EEE 15tob 18

M PH NCIPAL. Anowledge Institute el Technology Vakapplayam (PO) Selem - 637 50-

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

12.06.2018 - 15.06.2018 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	ΠА	611217104001	AAKASH M C	67
2	ΠA	611217104003	AISHWARYA K	78
3	ΠA	611217104005	ANITHA R	76
4	IIA	611217104007	BALAKRISHNAN C	74
5	ΠA	611217104008	BHARATHY KANNAN M R	83
6	ΠA	611217104009	BHAVANIS	73
7	ΠА	611217104011	DARSHANA A	69
8	ΠA	611217104013	DEEPA K	76
9	ΠА	611217104016	DHANUSEYA M	80
10	II A	611217104017	DHARANIDHARAN M	71
11	II A	611217104019	DHIKSHA M P	66
12	II A	611217104020	DHILEEP N	65
13	ΠA	611217104023	DINESHKUMAR S	67
14	IIA	611217104024	DIWAGAR S	73
15	ΠA	611217104026	ELANGO A	82
16	ΠA	611217104028	GOKULA PRIYA V	81
17	ΠA	611217104029	GOKULRAJ P	83
18	II A	611217104030	GOKULRAJAN M	82
19	ΠА	611217104031	GOUTHAM P	73
20	ΠA	611217104032	GOWTHAM G	81
21	ΠA	611217104034	HARI PRASANTH M	76
22	II A	611217104036	JAGADEEP T	76
23	ΠA	611217104037	JANANI B (02.03.2000)	65
24	ΠA	611217104039	KARTHIK T S	75
25	ΠA	611217104040	KAVIN SARVESH A	75
26	II A	611217104043	MANISH T	78
27	II A	611217104044	MEENAAKUMARI P	71
28	II A	611217104046	MITHILESH K S	79
29	II A	611217104048	MOHANAPRIYA K	72
30	ΠА	611217104049	MONIGA SAROJA E	83
31	ΠA	611217104051	MONISHKUMAR B	70

32	II A	611217104052	MURALI KRISHNAN M	69
33	II A	611217104054	NAGAPRIYA N	69
34	ΠA	611217104056	NAVEENA M	83
35	ША	611217104057	PADMAVEERASHREE L	67
36	II B	611217104060	POOJA C	78
37	II B	611217104066	PRAVEEN S	81
38	II B	611217104071	PRIYADHARSHNI A	65
39	II B	611217104072	PRIYADHARSHINI M	80
40	ΠВ	611217104076	RAJAMANI G	65
41	ΠВ	611217104078	RANJIT PRASATH S	81
42	II B	611217104079	ROOBAN KUMAR R	83
43	ΠВ	611217104086	SANTHIYA G	69
44	II B	611217104088	SARAN S	77
45	ΠВ	611217104090	SATHAPPAN M	72
46	ΠВ	611217104094	SHWETHA S	79
47	II B	611217104099	SOUNDAR T	82
48	ΠВ	611217104101	SOUNDHARYA S M	73
49	II B	611217104104	SOWNDHARYA S	69
50	ΠВ	611217104106	SRI PAVISH U	79
51	II B	611217104108	SUBASH S	78
52	II B	611217104112	SURIYA M	65
53	II B	611217104113	SURYA GANESH H A	72
54	II B	611217104116	VAISHNAVIE R	68
55	II B	611217104118	VIGNESH J	82
56	II B	611217104120	VIJAYS	75
57	II B	611217104302	SRI VAIGUNTHA M	70

Faculty Incharge

HOD





This is to certify that DHIKSHA M P, Knowledge Institute of Technology, Salem, has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module I) during 12.06.2018 - 15.06.2018.

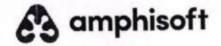


Mrs. Punitha Pradeep Founder & Director





This is to certify that MONIGA SAROJA E, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module I) during 12.06.2018 - 15.06.2018.



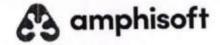
Principal, Knowledge Institute of Technology, Kakapalavam (Po), Salem-637 504

Mrs. Punitha Pradeep Founder & Director





This is to certify that **DIWAGAR S**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **12.06.2018** - **15.06.2018**.



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

Mrs. Punitha Pradeep Founder & Director





This is to certify that **RAJAMANI G**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module I)** during **12.06.2018** - **15.06.2018**.



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

Mrs. Punitha Pradeep Founder & Director





This is to certify that SRI PAVISH U, Knowledge Institute of Technology, Salem, has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module I) during 12.06.2018 - 15.06.2018.



Mrs. Punitha Pradeep Founder & Director

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course solving and computer using E-box (12) Name of the Student: gokul .T Course Title: Moblem Year/Sem: I/3 Dept : CAL

Date: 15 06 11

10-11.

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course	-						
Course Delivery		~					
Practical Experience			1				
Additional resources available		~					
Overall rating about lecture and Training		\checkmark					

Positive points about the Lecture:

early to understand

Suggestions for improvement:

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

T. Jokant (Signature of the student)

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Aakash C Course Title: problem solving od computer programming using E-box (Hodule-I) Year/Sem: I/II Dept : CSE Date: 15/6/19

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course	1				-		
Course Delivery		/					
Practical Experience	1						
Additional resources available		/					
Overall rating about lecture and Training		/					

Positive points about the Lecture:

Detail Explanation about 'c' ord it advance topic

Suggestions for improvement:

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

(Signature of the student)

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: 5. bhavani Course Title: Problem Soluting and Computer proponding Using E-ban (N-I) Year/Sem: []/3 Dept : CSE Date: 15.6.18

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course	r						
Course Delivery	V						
Practical Experience	Y						
Additional resources available	r						
Overall rating about lecture and Training		4					

Positive points about the Lecture:

Lot of problems in c to shell by our own od good training way .

Suggestions for improvement:

(Signature of the student)

Department of Computer Science and Engineering FEEDBACK FORM

Name of the Student: Deepa K		. 10-	programming	using E-box
Course Title: Problem Solving an	nd	computer	.r s 0	· (MI)
Year/Sem: 13				Date: 15/6/18
Dept : LSE				

	Ple	Please Tick mark on the appropriate box								
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)					
Resource person knowledge on the Course		/		_						
Course Delivery		~								
Practical Experience	1									
Additional resources available			~							
Overall rating about lecture and Training		~								

Positive points about the Lecture:

blood explanation with syntax and examples tor each was given

Suggestions for improvement:

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

Dager. R.

(Signature of the student)

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: ELANGO. A Course Title: PROBLEM SOLVING AND COMPUTER PROGRAMMING USING E-BOX (H=1) Year/Sem: 11/11 Date: 15/06/18

Parameters		Sector Sector			Very Poor (1)			
Resource person knowledge on the Course	v							
Course Delivery		V		-				
Practical Experience			V					
Additional resources available		V						
Overall rating about lecture and Training	V							

Positive points about the Lecture:

Explanation with scal-time Examples is good and understandable.

Suggestions for improvement:

Need Mose Materials Lors Motes.

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

Ehnde.#

(Signature of the student)



Department of Comparing Science and Engineering

		REPORT OF T	THE EVENT
Date	11.06.2018 - 15.06.2018	Resource person	Prof. T.Dhivya, Assistant Professor, CSE, KIOT
Time	9.00am - 5.00pm	Title	Problem Solving and Computer Programming using E-Box (Module II)
Venue	CC5 & CC6	No. of Participants	147

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, Chennal)

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

Surse 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

From

ETT-

Prof.R.Saranya, Assistant Professor, Department of Computer Science and Engineering Knowledge Institute of Technology, Salem- 637 504.

То

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 11.06.2018 - 15.06.2018 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	RESOURCE PERSON	
1	Certificate Course on Problem Solving and Computer Programming using E-Box (Module II)	CC5, CC6 11.06.2018 -15.06.2018 9.00am - 5.00pm	Prof. T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Thank you,

HOD/CSE

Yours truly

PRINCIPAL

Lo KNU	WLEDGE INSTITUTE OF TEO		LEIVI - 057 504					
	CIRCULA	ĸ						
Circular No.	2018/CC/ODD/02	Date	05.06.2018					
То	All II Year Students							
Subject	Certificate Course on Problem Solving and Computer Programmin using E-Box (Module II)							
Circular issued by	Department of Computer Sc	Department of Computer Science and Engineering						

This is to inform you that Department of Computer Science and Engineering has planned to conduct a CERTIFICATE COURSE on Problem Solving and Computer Programming using E-Box (Module II) in association with Amphisoft 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 - 11.06.2018 - 15.06.2018 & 9.00am - 5.00pm	Prof. T.Dhivya Assistant Professor, Department of Computer Science and Engineering

Course Incharge: Prof. R.Saranya, Assistant Professor/CSE

MECH	VP	CIVI	EEE	ECE	CSE	S&	PD	LIB	EMS	AO	Trans- port	Hostel	Director/	Director/ Placement	10000000	lential urden	College	Office/ File	Class Circula-	Security	KBS	Reception
	Office	L				n					port I/C	ND	Training		LH	GH	NB	rue	tion	Onice		uon
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

11.06.2018 - 15.06.2018

SI.No	Year	Register Number	Student Name
1	III A	611216104001	ABARNA S
2	III A	611216104004	ANNAMALAI N
3	III A	611216104005	ANUREKA J
4	III A	611216104006	ARULANAN D S
5	III A	611216104007	ASMITHHAN K
6	III A	611216104008	AYSHWARYAA N
7	III A	611216104011	BOPESH NANDHA P
8	III A	611216104014	DEEPALAKSHMIS
9	III A	611216104015	DEEPIKAS
10	III A	611216104017	DINAKARAN M
11	III A	611216104018	ELAKYAA A
12	III A	611216104019	GANDHIARUMUGAM K
13	III A	611216104021	GAYATHRIS
14	III A	611216104022	GOKUL S
15	III A	611216104024	GOWTHAM J
16	III A	611216104025	GOWTHAM P V
17	III A	611216104027	HAFSANAFATHIMAA R
18	III A	611216104029	HARIHARAN M (15-06-1999)
19	III A	611216104031	HARINI K G
20	III A	611216104032	HARINI SRI R
21	III A	611216104035	HARI VIGNESH S
22	III A	611216104036	HARSHITHAR
23	III A	611216104037	INBARAJ S
24	III A	611216104038	JAISHRI P K
25	III A	611216104039	JAMUNAK
26	III A	611216104042	JEEVANANTHAM N
27	ША	611216104043	JOHN PETER P

Enrolled Student NameList

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

M

28	III A	611216104046	KALAIVANI P
29	III A	611216104047	KANMANI V
30	III A	611216104050	KAVIPRIYA R
31	III A	611216104052	KEERTHIKA N
32	III A	611216104053	KOWSHIKA S
33	ША	611216104054	KUMARI SNEHALJHA
34	III A	611216104056	LOGESHWARI R
35	III A	611216104058	MADHUMIDA S
36	III B	611216104060	MANESHA S
37	III B	611216104063	MANOJ S
38	III B	611216104065	MOHANAPRIYAA M
39	III B	611216104067	NANDHIKA R
40	III B	611216104069	NARMADHA R
41	III B	611216104072	NIVETHA S
42	III B	611216104074	POOJAD
43	III B	611216104079	PRIYADHARSHINI K
44	III B	611216104081	RAVINDRAN V
45	ШВ	611216104083	RUBIGHAM
46	ШВ	611216104086	SARANYA D
47	III B	611216104088	SATHISH L
48	III B	611216104092	SHARMILAR
49	III B	611216104095	SIVABALAN P
50	III B	611216104098	SONAS
51	III B	611216104100	SRIGOKULNATH S
52	III B	611216104101	SRIMATHI M
53	III B	611216104104	SUPRAJAP
54	III B	611216104106	TASNEEM FIRDOUSE S
55	III B	611216104107	VANITHAPRIYAN
56	III B	611216104301	GEETHANJALIN K
57	III B	611216104303	RAJESH KUMAR P
58	III B	611216104304	SOWNDARRAJAN C

Faculty Incharge 18

HOD

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

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KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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

11.06.2018 - 15.06.2018 | Students Enrollment List

SI.No	Year	Register Number	Student Name
1	IV	611215105001	AARTHI A
2	IV	611215105003	AKILA K
3	IV	611215105004	AKSHAYA L
4	IV	611215105005	ALAGUVAIRAVASUNDARAM S
5	IV	611215105006	ANANDHA PADMANABAN.V
6	IV	611215105007	ANANTH S
7	IV	611215105009	ANBARASI.T
8	IV	611215105010	ARUN K
9	IV	611215105012	BALA MURUGAN.M
10	IV	611215105013	BARATH KUMAR.V
11	IV	611215105014	BASKARAN.A
12	IV	611215105016	BHAVANI.P
13	IV	611215105017	CHIBIMUKIL N
14	IV	611215105019	DEEPAN RAJ.R
15	IV	611215105020	DEEPTHIKA.B
16	IV	611215105022	DHARANI.T
17	IV	611215105023	DHIVISHYA.M
18	IV	611215105024	DINESH KUMAR N
19	IV	611215105026	FARITHAFARVEEN M
20	IV	611215105027	GANESH KUMAR.P.R
21	IV	611215105028	GNANESHWARI.M.N
22	IV	611215105029	GOKUL.D
23	IV	611215105030	GOKULRAJ R
24	IV	611215105033	GOWTHAM N
25	IV	611215105035	HARIHARAN.E
26	IV	611215105036	JAYASHREE.J
27	IV	611215105037	JEEVA M
28	IV	611215105038	KANNAN.P
29	IV	611215105040	KARTHIKA V
30	IV	611215105041	KAVIN.R
31	IV	611215105042	KAVYAA K
32	IV	611215105043	KEERTHANA C
33	IV	611215105044	KIRTHIKA SOWMINI M.J.R
34	IV	611215105046	KIRUTHIKA. M
35	IV	611215105047	KOWSALYA.K
36	IV	611215105049	KOWSALYA.V
37	IV	611215105050	KOWSHIKA V
38	IV	611215105051	KRISHNAMOORTHLP
39	IV	611215105052	MADHUSUDHANAN.B
40	IV	611215105055	MANISHA.P
41	IV	611215105056	MEENA T
42	IV	611215105057	MOHANA PRIYA R
43	IV	611215105058	MYTHILIPRIYA U S
44	IV	611215105059	NAGARAJ S
45	IV	611215105062	NAVINA L.R
46	IV	611215105063	NIVETHA S
47	IV	611215105064	PASUPATHI A

PR NLIPAL, Anowledge Institute #1 Technology Yakapalayam (PO) Selam - 537 504

51.No	Year	Register Number	Student Name
48	IV	611215105065	PAVITHIRAN.P
49	IV	611215105068	PAVITHRAN.P
50	IV	611215105069	PRABHA DEVI.C
51	IV	611215105070	PRABHAKARAN R
52	IV	611215105071	PRADEEP M
53	IV	611215105073	PREETHI K
54	IV	611215105075	PRIYADHARSHINI A
55	IV	611215105077	RAHUL NATARAJAN K
56	IV	611215105080	RAVIKUMAR N
57	IV	611215105082	SABANA.S
58	IV	611215105083	SAI SOUNDARYA K
59	IV	611215105084	SANDHIYA M
60	IV	611215105085	SANGEETHA K
61	IV	611215105086	SANJAY.J.S
62	IV	611215105087	SANTHIYA K K
63	IV	611215105088	SANTHOSH M
64	IV	611215105089	SANTHOSH R
65	IV	611215105091	SELVAKUMAR.S
66	IV	611215105092	SELVARAJ A
67	IV	611215105098	SOUNDARYAN.R
68	IV	611215105099	SOWMIYA.M
69	IV	611215105101	SRIMATHI R
70	IV	611215105103	SRIVIDHYA.S
71	IV	611215105105	SURENDAR S
72	IV	611215105106	SURUTHLR
73	IV	611215105108	SUWATHI R
74	IV	611215105109	TAMILARASAN.S
75	IV	611215105112	THARANI.V
76	IV	611215105113	THIRUGNANARAMAN.S.V
77	IV	611215105114	THISHAM S
78	IV	611215105115	VASANTHAKUMAR.M
79	IV	611215105117	VIGNESHWARAN.S
80	IV	611215105119	YUVALAKSHMI D
81	IV	611215105303	GUNASEKARAN A
82	IV	611215105306	MATHESH K
83	IV	611215105307	PAVITHRA R
84	IV	611215105310	PRIYADHARSHINI T
85	IV	611215105312	SIVA G
86	IV	611215105313	THAMARAI SELVAN S
87	IV	611215105314	UMASANKAR S
88	IV	611215105316	VIGNESHWARAN S
89	IV	611215105317	VISHNU PRIYA S

B. Dept. CC Coordinator

HOD/EEE

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KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

SYLLABUS & SCHEDULE

Day	Session	Contents
	FN	Array, One dimensional arrays, Declaration of 1D arrays, Initialization of 1D arrays
DAY1	AN	Accessing element of 1D arrays, Reading and displaying elements, Two dimensional arrays, Declaration of 2D arrays, Initialization of 2D arrays
	FN	Accessing element of 2D arrays, Reading and displaying elements, Declaration of Structure Variables, Initialization of Structure Variables,
DAY 2	AN	Accessing Structure Members, Storage of Structures in Memory, Size of Structures, Reading and Displaying Structure
	FN	Variables, Assignment of Structure Variables, Pointers to structures, Array of structures
DAY 3	AN	Nested structures, Self-referential structures, memory link(linked list), Bit fields
	FN	strings versus character arrays, Initializing & Reading string, Displaying string, The %s format specifier, The gets() and puts() functions,
DAY 4	AN	string handling functions & pointers, Two-dimensional character arrays, array of string, array of pointers to strings
	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,
DAY 5	AN	Returning a structure variable from function, Returning a structure variable address from function, Returning structure variable from a function

Course Cordinator

HOD

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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 II)

SI.No	Year	Register Number	student Name	11.6.19	2.6.10	3.6.10	14.6.18	15.6
1	ША	611216104001	ABARNA S	,	1	1	1	1-
2	ША	611216104004	ANNAMALAI N	1	1,	1	1	1
3	ША	611216104005	ANUREKA J	1	1,		1	1
4	ША	611216104006	ARULANAN D S	1	1	1		1
5	ША	611216104007	ASMITHHAN K	1		,	a	1
6	ША	611216104008	AYSHWARYAA N	1	1	,	1	1
7	ША	611216104011	BOPESH NANDHA P	1	1	,	1	1
8	ША	611216104014	DEEPALAKSHMI S	1	1	1	,	,
9	III A	611216104015	DEEPIKAS	1	1	,	1	1
10	III A	611216104017	DINAKARAN M	1	1	,	1	1
11	ША	611216104018	ELAKYAA A	1			1	1
12	III A	611216104019	GANDHIARUMUGAM K	1,	1	1	1	1
13	ША	611216104021	GAYATHRI S	1	1	,	1	1
14	III A	611216104022	GOKULS	1	1	1	1	1
15	III A	611216104024	GOWTHAM J	1	1	1	1	1
16	III A	611216104025	GOWTHAM P V	1	,	1	1	1
17	ША	611216104027	HAFSANAFATHIMAA R	1	1	1	,	1
18	ША	611216104029	HARIHARAN M (15-06-1999)	1	1	1	,	1
19	ША	611216104031	HARINI K G	11	1	1	1	1
20	ША	611216104032	HARINI SRI R	1	1	1	1	1
21	III A	611216104035	HARI VIGNESH S		1	1	,	+
22	III A	611216104036	HARSHITHAR	1	1	1	;	1
23	III A	611216104037	INBARAJ S	1	1	1	;	1
24	ША	611216104038	JAISHRI P K	1	1	1	a	1
25	ШΑ	611216104039	JAMUNAK	1	1	1	7	1
26	ША	611216104042	JEEVANANTHAM N	1	1	,	,	1
27	III A	611216104043	JOHN PETER P	1	1	1		1
28 1	ША	611216104046	KALAIVANI P	1	1	1		1
29 1	III A	611216104047	KANMANI V	1	1.	1	;	
30 1	II A	611216104050	KAVIPRIYA R	1	1	1	1	1,
31 1	II A	611216104052	KEERTHIKA N	1	1	1	,	1
32 1	IIA	611216104053	KOWSHIKA S		1		1	1

11.06.2018 - 15.06.2018 | Course Attendance

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

M

33	III A	611216104054	KUMARI SNEHALJHA	1	1	1	1	1
34	ША	611216104056	LOGESHWARI R	1	1	a	1	1
35	ША	611216104058	MADHUMIDA S	i	1	1	1	1
36	ШВ	611216104060	MANESHA S	1	1	1	i	
37	ШВ	611216104063	MANOJ S	1	1	1	i	1
38	ШВ	611216104065	MOHANAPRIYAA M	1	1	1	1	1
39	ШВ	611216104067	NANDHIKA R	1	1	1	1	1
40	III B	611216104069	NARMADHA R	1	1	1	1	1
41	III B	611216104072	NIVETHA S	1	a	1	1	1
42	III B	611216104074	POOJAD	1	i	1	1	1
43	III B	611216104079	PRIYADHARSHINI K	1	1	1	1	1
44	ШВ	611216104081	RAVINDRAN V	1	1	1	1	1
45	III B	611216104083	RUBIGHAM	1	1	1	1	1
46	III B	611216104086	SARANYA D	1	1	1	1	1
47	III B	611216104088	SATHISH L	1)	i		1
48	ШВ	611216104092	SHARMILAR	1	1	i,	1	1
49	III B	611216104095	SIVABALAN P	1	1	i	i	1
50	III B	611216104098	SONAS	1	1	I	1	a
51	III B	611216104100	SRIGOKULNATH S	,	1	1	1	1
52	ШВ	611216104101	SRIMATHI M	1	1	1	1	1
53	ШВ	611216104104	SUPRAJAP	,	,	1	1	1
54	III B	611216104106	TASNEEM FIRDOUSE S	;	1	1	1	1
55	III B	611216104107	VANITHAPRIYAN	1	1	1	1	1
56	III B	611216104301	GEETHANJALIN K	1	1	1	1	1
57	ШВ	611216104303	RAJESH KUMAR P	,	i	1	1	1
58	ШВ	611216104304	SOWNDARRAJAN C	1	1	1	1	1
			No. of Students Present	58	57	57	56	51
			No of Students Absent		01	01	02	01

18 Faculty Incharge

HOD

Principal, Rnowledge 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)

	. 1	Bestelen Marshar	11.06.2018 - 15.06.2018 Cours Student Name	11.06.18	12.06.18	13.06.18	14.06.18	15.06.1
l.No	Year	Register Number		1	1	1	1	1
1	IV	611215105001	AARTHI A	1	1	1	1	1
2	IV	611215105003	AKILA K	,	1	1	1	1.
3	IV	611215105004	AKSHAYA L		1	1	1	1
4	IV	611215105005	ALAGUVAIRAVASUNDARAM S	- C1 ,	1	1	- /	1
5	IV	611215105006	ANANDHA PADMANABAN.V		1		1	1
6	IV	611215105007	ANANTH S		1	9	1	1
7	IV .	611215105009	ANBARASLT	1	1	1	1	1
8	IV	611215105010	ARUN K	,	1	1	1	1
9	IV	611215105012	BALA MURUGAN.M	- /	a,	1	1	a
10	IV	611215105013	BARATH KUMAR.V		1	1	1	1
11	IV	611215105014	BASKARAN.A	/	,	1	1	1
12	IV	611215105016	BHAVANLP	a	1	1	1	1
13	IV	611215105017	CHIBIMUKIL N	/	1	1.	1	11
14	IV	611215105019	DEEPAN RAJ.R	1	1	1		11
15	IV	611215105020	DEEPTHIKA.B	1	1	1	1	1
16	IV	611215105022	DHARANI.T	1	1	1;	1	1
the second se	IV	611215105023	DHIVISHYA.M	a	1	/		1
17	IV	611215105024	DINESH KUMAR N	1	1	/		1 1
18	IV	611215105024	FARITHAFARVEEN M	1	1	1	1	1 0
19	IV	611215105027	GANESH KUMAR.P.R	1	1	1	1	9
20	-	611215105027	GNANESHWARLM.N	1	a	1	1	
21	IV	611215105028	GOKUL.D	1	1	1	1	/
22	IV	611215105030	GOKULRAJ R	1	1	1	1	
23	IV	611215105030	GOWTHAM N	1	1	1	a	
24	IV		HARIHARAN.E	1	i	1	1	1
. 25	IV	611215105035	JAYASHREEJ	,	1	1	1	/
26	IV	611215105036	JEEVA M	1	g	11	1	1,
27	IV	611215105037	KANNAN.P	1	1	1	1	
28	IV	611215105038	KARTHIKA V	1	1	1	1	1
29	IV	611215105040	KAVIN.R	1	1	1	1	1
30	IV	611215105041		,	1	a	1	1
31	IV	611215105042	KAVYAA K	1	1	1	1	1
32	IV	611215105043	KEERTHANA C KIRTHIKA SOWMINI M.J.R	1	1	1	1	1
33	IV	611215105044		1	1	1	1	1
34	IV	611215105046	KIRUTHIKA. M	1	1	1	1	1
35	IV	611215105047	KOWSALYA.K	1	1	r	1	1
36	IV	611215105049	KOWSALYA.V	1	1	a	1	1
37	IV	611215105050	KOWSHIKA V	1	1	1	1	1
38	-	611215105051	KRISHNAMOORTHI.P			1	1	1
39	-	611215105052	MADHUSUDHANAN.B	1	1	1	1	1
40	-	611215105055	MANISHA.P	/		1	9	1
41		611215105056	MEENA T			1	-	1
42		and the second se	MOHANA PRIYA R	1	- 1	1	9	1
43	-		MYTHILIPRIYA U S	/	1		1	1
45	_			1	1	1	- 1	-)
44				/	/	/	/	1

PR LIPAL. Anowledge Institute # Technology Vakapalavam (PO) Selem - 6.

SI.No	Year	Register Number	Student Name	11.06.18	12.06.18	13.06.18	14.06.18	15.06.18
46	IV	611215105063	NIVETHA S	1	1	1	1	1
47	IV	611215105064	PASUPATHI A	1	1	/	1	1
48	IV	611215105065	PAVITHIRAN.P	1	1	1	a	1
49	IV	611215105068	PAVITHRAN.P	1	1	1	1	1
50	IV	611215105069	PRABHA DEVI.C	1	1	.1	1	1
51	IV	611215105070	PRABHAKARAN R	1	í	1	/	1
52	IV.	611215105071	PRADEEP M	1	1	1	1	1
53	IV	611215105073	PREETHI K	1	1	1	1	/
54	IV	611215105075	PRIYADHARSHINI A	1	1	1	r	1
55	IV	611215105077	RAHUL NATARAJAN K	1	1	1	1	1
56	IV	611215105080	RAVIKUMAR N	1	1	1	1	1
57	IV	611215105082	SABANA.S	a	1	1	1	1
58	IV	611215105083	SAI SOUNDARYA K	1	1	,	1	1
59	IV	611215105084	SANDHIYA M	1	1	,	1	1
60	IV	611215105085	SANGEETHA K	1	1	1	1	1
61	IV	611215105086	SANJAY.J.S	1	1	1	,	1
62	IV	611215105087	SANTHIYA KK	1	1	G	1	1
63	IV	611215105088	SANTHOSH M	1	1	1	1	1
64	IV	611215105089	SANTHOSH R	1	1	1	1	1
65	IV	611215105091	SELVAKUMAR.S	1	1	,	1	1
66	IV	611215105092	SELVARAJ A	1	1	;	1	1
67	IV	611215105098	SOUNDARYAN.R	1	1	1	1	1
68	IV	611215105099	SOWMIYA.M	,	,	1	1	1
69	IV	611215105101	SRIMATHI R	1	1	1	ei	1
70	IV	611215105103	SRIVIDHYA.S	1	1	1	1	1
71	IV	611215105105	SURENDAR S	1	1	1	1	1
72	IV	611215105106	SURUTHI.R	1	1	1	1	1
73	IV	611215105108	SUWATHI R	1	,	,	1	1
74	IV	611215105109	TAMILARASAN.S	1	1	,	,	1
75	IV	611215105112	THARANI.V	1	1	,		1
76	IV	611215105113	THIRUGNANARAMAN.S.V	1	1	1	1	,
77	IV	611215105114	THISHAM S	q	,	,	1	,
78	IV	611215105115	VASANTHAKUMAR.M	4	1	,	1	
79	IV	611215105117	VIGNESHWARAN.S	1	1	1	1	1
80	IV	611215105119	YUVALAKSHMI D	1	,	1	,	1
81	IV	611215105303	GUNASEKARAN A	1	,	1	-,	1
82	IV	611215105306	MATHESH K	,	1	1		1
83	IV	611215105307	PAVITHRA R	1	1	1	1	1
84	IV	611215105310	PRIYADHARSHINI T	;	1	1	;	,
85	IV	611215105310	SIVA G	,		1	,	1
86	IV	611215105312	THAMARAI SELVAN S	1	,	1	1	1
87	IV	611215105313	UMASANKAR S	1		,	1	
88	IV	611215105314	VIGNESHWARAN S	-	1		1	
89	IV	611215105316	VIGNESHWARAN S VISHNU PRIYA S			1		1
09	IV	011213103317	No. of Students Present	-	01	0-	/ a.	
_				84	84	83	84	87
			No of Students Absent	5	3	4	5	2

B. Sard Holly Dept. CC Coordinator

HOD/EEE Boblis

M PR NCIPAL. Anowledge Institute of Technology Yakaozlavam (PO) Selem - 637 504

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

SI.No	Year	Register Number	Student Name	Final Assessment %
1	III A	611216104001	ABARNA S	85
2	III A	611216104004	ANNAMALAIN	78
3	III A	611216104005	ANUREKA J	78
4	III A	611216104006	ARULANAN D S	86
5	III A	611216104007	ASMITHHAN K	72
6	III A	611216104008	AYSHWARYAA N	69
7	III A	611216104011	BOPESH NANDHA P	74
8	III A	611216104014	DEEPALAKSHMI S	81
9	III A	611216104015	DEEPIKAS	75
10	III A	611216104017	DINAKARAN M	72
11	III A	611216104018	ELAKYAA A	84
12	III A	611216104019	GANDHIARUMUGAM K	70
13	III A	611216104021	GAYATHRI \$	80
14	III A	611216104022	GOKULS	65
15	III A	611216104024	GOWTHAM J	85
16	III A	611216104025	GOWTHAM P V	80
17	III A	611216104027	HAFSANAFATHIMAA R	68
18	III A	611216104029	HARIHARAN M (15-06-1999)	77
19	III A	611216104031	HARINI K G	71
20	III A	611216104032	HARINI SRI R	85
21	III A	611216104035	HARI VIGNESH S	78
22	III A	611216104036	HARSHITHAR	72
23	III A	611216104037	INBARAJ S	78
24	III A	611216104038	JAISHRI P K	82
25	III A	611216104039	JAMUNAK	86
26	III A	611216104042	JEEVANANTHAM N	84
27	III A	611216104043	JOHN PETER P	77
28	III A	611216104046	KALAIVANI P	86
29	III A	611216104047	KANMANI V	76
30	III A	611216104050	KAVIPRIYA R	76

11.06.2018 - 15.06.2018 | Assessment Report

31	III A	611216104052	KEERTHIKA N	74
32	III A	611216104053	KOWSHIKA S	70
33	III A	611216104054	KUMARI SNEHALJHA	85
34	III A	611216104056	LOGESHWARI R	83
35	III A	611216104058	MADHUMIDA S	69
36	III B	611216104060	MANESHA S	77
37	III B	611216104063	MANOJ S	69
38	ШВ	611216104065	MOHANAPRIYAA M	78
39	III B	611216104067	NANDHIKA R	65
40	III B	611216104069	NARMADHA R	72
41	III B	611216104072	NIVETHA S	72
42	III B	611216104074	POOJAD	78
43	ШВ	611216104079	PRIYADHARSHINI K	71
44	Ш В	611216104081	RAVINDRAN V	74
45	III B	611216104083	RUBIGHA M	79
46	III B	611216104086	SARANYA D	74
47	III B	611216104088	SATHISH L	82
48	ШВ	611216104092	SHARMILAR	78
49	III B	611216104095	SIVABALAN P	74
50	III B	611216104098	SONAS	65
51	III B	611216104100	SRIGOKULNATH S	78
52	III B	611216104101	SRIMATHI M	73
53	III B	611216104104	SUPRAJAP	73
54	III B	611216104106	TASNEEM FIRDOUSE S	66
55	III B	611216104107	VANITHAPRIYAN	75
56	III B	611216104301	GEETHANJALIN K	82
57	III B	611216104303	RAJESH KUMAR P	76
58	III B	611216104304	SOWNDARRAJAN C	86

**Max Marks - 100 | Min Marks - 60

Faculty Incharge

HOD



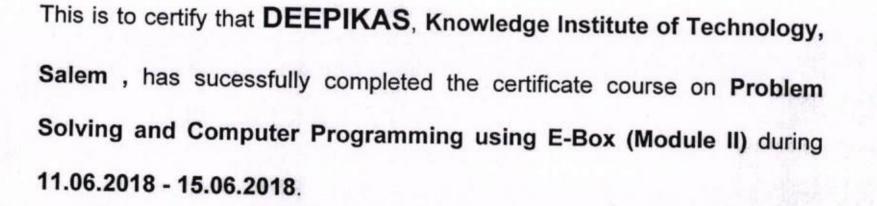


This is to certify that **BOPESH NANDHA P**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Problem Solving and Computer Programming using E-Box (Module II)** during **11.06.2018 - 15.06.2018**.



Mrs. Punitha Pradeep Founder & Director





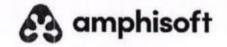


Principal, Knowledge Institute of Technology Kakapalayam (Po), Salem-637 504

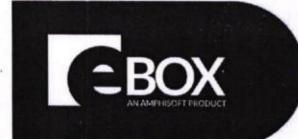




This is to certify that **GANDHIARUMUGAM K**, **Knowledge Institute** of Technology, Salem , has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module II) during 11.06.2018 - 15.06.2018.

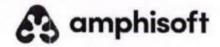


Principal Knowledge Institute of Technology Kakapalayam (Po), Salem-637 504





This is to certify that **HAFSANAFATHIMAA R**, **Knowledge Institute** of Technology, Salem , has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module II) during 11.06.2018 - 15.06.2018.

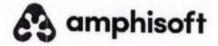


Principal, Knowledge Institute of Technology Kakapalavam (Po), Salem-637 504





This is to certify that JAISHRI P K, Knowledge Institute of Technology, Salem , has successfully completed the certificate course on Problem Solving and Computer Programming using E-Box (Module II) during 11.06.2018 - 15.06.2018.



Principal

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: Kanmani. V Course Title: poloblem Bolving in Computer pologramming using Ebox Year/Sem: III [05 Dept : CSE Dept : CSE

	Please Tick mark on the appropriate box							
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)			
Resource person knowledge on the Course	~							
Course Delivery		~						
Practical Experience			1					
Additional resources available	~							
Overall rating about lecture and Training		\sim						

Positive points about the Lecture:

Got somuch paogramming shortcut inputs. and easy to understand.

Suggestions for improvement:

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

Invican

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Supraya. p Course Title: Problem Glupng Pn computes programming using \$-50 (M2) Year/Sem: II / 05 Dept : CSE Date: 15.6.18

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course		~					
Course Delivery		/					
Practical Experience	1	•					
Additional resources available		1.5	1				
Overall rating about lecture and Training		~					

Positive points about the Lecture:

Suggestions for improvement: Need more probleme to get need ideas .

Problem solving, Easy understanding

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

(Signature of the student)

125

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Nandhäka R Course Title: paoblem solving in computer paragramming using E-box-Year/Sem: 11 105 Dept : CSE Date: 15.6.18

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course		5					
Course Delivery			~				
Practical Experience	5						
Additional resources available		~					
Overall rating about lecture and Training		~					

Positive points about the Lecture:

Good and easy to understand.

Suggestions for improvement:

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

R. Nandhika

15434

KNOWLEDGE INSTITUTE OF TECHNOLOGY SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: 5-Srigdul nath Course Title: Problem Solwing ord Comparter programming Using & box Module-2. Year/Sem: 1/1 Dept : CSE Date: (5/6/19

	Please Tick mark on the appropriate box								
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)				
Resource person knowledge on the Course	1								
Course Delivery									
Practical Experience	(-				
Additional resources available	1								
Overall rating about lecture and Training	/								

Positive points about the Lecture:

Detail about all topier clearly.

Suggestions for improvement:

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: GLOKULS Course Title: PROBLEM Solving and computer programming using E-BOX (M-11) Year/Sem: 11/1 Dept : CLE Date: 15/6/18

	Please Tick mark on the appropriate box								
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)				
Resource person knowledge on the Course		~							
Course Delivery	V				-				
Practical Experience			~						
Additional resources available		~							
Overall rating about lecture and Training		~			-				

Positive points about the Lecture:

clear Explanation

Suggestions for improvement:

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

Need Moore Examples to Get Moore ideas.

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Sona S solving and computer programming using Course Title: Problem E-box (Ma) Year/ Sem: TIL / V Date: 15 106/18 Dept : USE

	P	Please Tick mark on the appropriate box								
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)					
Resource person knowledge on the Course		1								
Course Delivery	~									
Practical Experience		~								
Additional resources available			~							
Overall rating about lecture and Training		~								

Positive points about the Lecture:

44 1.34

clear examples and explanation

Suggestions for improvement:

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

.s.



No-

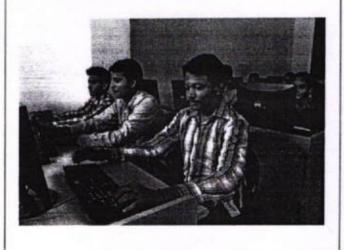
KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504

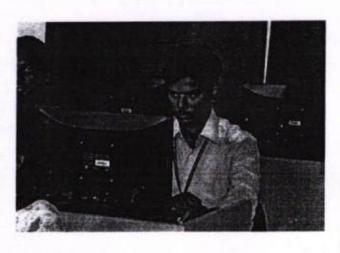
Department of Computer Science and Engineering

REPORT OF THE EVENT									
Date	03.01.2019 - 10.01.2019	Resource person	Prof.P.Ramya, Assistant Professor, CSE, KIOT						
.Time	9.00am - 5.00pm	Title	Product Development and Programming using E-Box						
Venue	CC11 & CC12	No. of Participants	158						

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

Principal, Knowledge Institute of Technology Kakapalayam (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 treessearch, 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, Flyod 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.

From From

Prof.R.Saranya,

Assistant Professor, Department of Computer Science and Engineering Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "Product Development and Programming using E-Box" from 03.01.2019 -10.01.2019 for a period of 06 days with the duration of 45 hours. This course will be helpful for the skill development and placement of our III year students. In this regard, we request you to endowment as permission to conduct the course.

alienter.

Telefaller

The course details are as follows:

SL.	NAME OF THE	VENUE	RESOURCE PERSON
NO.	PROGRAM	DATE & TIME	
1	Certificate Course on Product Development and Programming using E-Box	CC11, CC12 - 03.01.2019 - 10.01.2019 & 9.00am - 5.00pm	Prof. P.Ramya Assistant Professor, Department of Computer Science and Engineering

Thank you,

HOD/

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

Yours truly

PRINCIPAL

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504										
	CIRCULAR	2								
Circular No. 2018/CC/EVEN/05 Date 26.12.201										
То	All III Year Students									
Subject	Certificate Course on Produc E-Box	ct Development a	nd Programming using							
Circular issued by Department of Computer Science and Engineering										

This is to inform you that Department of Computer Science and Engineering has planned to conduct a **CERTIFICATE COURSE** on **Product Development and Programming using E-Box** in association with Amphisoft 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	RESOURCE PERSON		
1	Certificate Course on Product Development and Programming using E-Box	CC11, CC12 03.01.2019 -10.01.2019 & 9.00am - 5.00pm	Prof. P.Ramya Assistant Professor, Department of Computer Science and Engineering	
urse I	ncharge: Prof. R.Saranya, Assis	tant Professor/CSE		
	Mabrill		Pm	

MECH	VP Office	CIVI	EEE	ECE	CSE	S&	PD	LIB	EMS	AO	Trans- port	Hostel	Director/	Director/ Placement	Resid Wa	ential rden	conege	Office/	Class Circula-	Security Office	KBS	Recep
	onne	-									1/C		Training		LH	GH	NB	File	tion	Office		tion
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KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

03.01.2019 - 10.01.2019

Enrolled	Student	NameList
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SI.No	Year	Register Number	Student Name
1	III A	611216104001	ABARNAS
2	III A	611216104004	ANNAMALAI N
3	III A	611216104005	ANUREKA J
4	III A	611216104006	ARULANAN D S
5	III A	611216104008	AYSHWARYAA N
6	III A	611216104011	BOPESH NANDHA P
7	III A	611216104017	DINAKARAN M
8	III A	611216104021	GAYATHRI S
9	III A	611216104022	GOKULS
10	III A	611216104027	HAFSANAFATHIMAA R
11	III A	611216104029	HARIHARAN M (15-06-1999)
12	III A	611216104031	HARINI K G
13	III A	611216104032	HARINI SRI R
14	III A	611216104035	HARI VIGNESH S
15	III A	611216104036	HARSHITHAR
16	III A	611216104037	INBARAJ S
17	III A	611216104042	JEEVANANTHAM N
18	III A	611216104046	KALAIVANI P
19	III A	611216104047	KANMANI V
20	III A	611216104050	KAVIPRIYA R
21	III A	611216104052	KEERTHIKA N
22	III A	611216104054	KUMARI SNEHALJHA
23	III A	611216104056	LOGESHWARI R
24	III A	611216104058	MADHUMIDA S
25	III B	611216104060	MANESHA S
26	ШВ	611216104063	MANOJ S
27	ШB	611216104065	MOHANAPRIYAA M

28	III B	611216104067	NANDHIKA R
29	III B	611216104069	NARMADHA R
30	III B	611216104072	NIVETHA S
31	ШВ	611216104074	POOJAD
32	III B	611216104079	PRIYADHARSHINI K
33	ШВ	611216104083	RUBIGHAM
34	ШВ	611216104086	SARANYA D
35	III B	611216104088	SATHISH L
36	III B	611216104092	SHARMILAR
37	III B	611216104098	SONAS
38	III B	611216104100	SRIGOKULNATH S
39	III B	611216104101	SRIMATHI M
40	III B	611216104104	SUPRAJAP
41	III B	611216104106	TASNEEM FIRDOUSE S
42	III B	611216104301	GEETHANJALIN K
43	III B	611216104303	RAJESH KUMAR P
44	III B	611216104304	SOWNDARRAJAN C

3 Faculty Incharge

HODIOIN

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KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

SYLLABUS & SCHEDULE

Day	Session	Contents
	FN	Introduction to Abstract Data Types and analysis of different algorithms
DAY 1	AN	Searching an array: linear and binary search. Sorting: Merge Sort, and analysis
	FN	ADT Array searching and sorting on arrays, Review of Pointers in C. The Linked list ADT.
DAY 2	AN	ADT Linked Lists, Stacks, Queues, reverse/search. Doubly linked lists, circular linked lists.
	FN	Stack and Queue ADT, comparison of implementation using arrays and linked lists
DAY 3	AN	Binary Trees, Tree ADT representation, traversal, application of binary trees in Huffman coding.
	FN	Expression trees: Recursive traversal depth, height, and number of nodes. post/pre/infix notation.
DAY 4	AN	Dictionary, ADT Priority queues, Heap ADT implementation and Heapsort, in place sorting, Heaps for maintaining interval trees
DAY 5	FN	Graphs, matrices. The Graph ADT and applications
DAY 5	AN	Flyod Warshall's algorithm and applications
	FN	List representation of a Graph. Breadth First Search traversal and identification of shortest paths.
DAY 6	AN	Depth First Search recursive specification and application to finding articulation points.

182/2018

Course Cordinator

HOD

KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

03.01.2019 - 10.01.2019 | Course Attendance

SI.No	Year	Register Number	Student Name	£	\$1.1	1.1.	6/1.	5	10.1
1	ША	611216104001	ABARNA S	1	1	1	1	1	1
2	ША	611216104004	ANNAMALAI N	1	1	1	1	1	1
3	ША	611216104005	ANUREKA J	1	1	1	1	1	1
4	ША	611216104006	ARULANAN D S	1	1	1		1	1
5	ША	611216104008	AYSHWARYAA N	1	1	1	1	1	1
6	ША	611216104011	BOPESH NANDHA P	1	1	1	i	1	1
7	ША	611216104017	DINAKARAN M	a	1	1	i	1	1
8	ΠА	611216104021	GAYATHRI S	1	1	1	1	1	1
9	ША	611216104022	GOKULS	1	1	1	1	1	1
10	III A	611216104027	HAFSANAFATHIMAA R	1	1	1	1	1	1
11	ША	611216104029	HARIHARAN M (15-06-1999)	1	i	1	1	1	1
12	III A	611216104031	HARINI K G	1	r	1	1	1	1
13	ША	611216104032	HARINI SRI R	1	1	1	1	1	1
14	III A	611216104035	HARI VIGNESH S	1	1	1	1	1	1
15	ША	611216104036	HARSHITHAR	1	1	1	1	1	1
16	III A	611216104037	INBARAJ S	1	1	9	í	1	1
17	ША	611216104042	JEEVANANTHAM N	1		1	1	1	1
18	ША	611216104046	KALAIVANI P	1	1	1	1	1	1
19	ША	611216104047	KANMANI V	1	1	1	1	1	1
20	ША	611216104050	KAVIPRIYA R	1	,	1	1	1	1
21	ША	611216104052	KEERTHIKA N	1	1	1	1	1	1
22	ША	611216104054	KUMARI SNEHALJHA	1	^	1	1	1	(
23	III A	611216104056	LOGESHWARI R	1	1	1	1	1	1
24	ША	611216104058	MADHUMIDA S	1	1	1	1	1	9
25	III B	611216104060	MANESHA S	1	1	1	1	1	1
26	шв	611216104063	MANOJ S	1	1	1	1	1	Ì
27	ШΒ	611216104065	MOHANAPRIYAA M	1	1	1	1	1	1
28	III B	611216104067	NANDHIKA R	1	1	1	1	1	1
29	ШВ	611216104069	NARMADHA R	1	1	1	1	1	1

30	ШВ	611216104072	NIVETHA S	1	1	1	1	1	1
31	ШВ	611216104074	POOJAD	1	1	1	1	a	1
32	III B	611216104079	PRIYADHARSHINI K	1	11	1	1	1	1
33	ШВ	611216104083	RUBIGHAM	1	1	1	a	1	1
34	III B	611216104086	SARANYA D	1	11	1	1	1	1
35	ШВ	611216104088	SATHISH L	1	1	1	1	1	1
36	ШВ	611216104092	SHARMILAR	1	1	1	1	1	1
37	III B	611216104098	SONAS	1	à	1	1	1	1
38	III B	611216104100	SRIGOKULNATH S	1	1	1	1	1	1
39	ШВ	611216104101	SRIMATHI M	1	1	1	1	1	1
40	III B	611216104104	SUPRAJAP	1	1	1	1	1	1
41	ШВ	611216104106	TASNEEM FIRDOUSES	i	1	1	1	1	1
42	III B	611216104301	GEETHANJALIN K	1	1	1	1	1	1
43	ШВ	611216104303	RAJESH KUMAR P	1	1	1	1.	1	1
44	III B	611216104304	SOWNDARRAJAN C	1	1	i	1)	1
			No. of Students Present	43	43	43	43	43	102
		1219-11-12-1	No of Students Absent		01	01	61	01	0

in Faculty Incharge

HOD

Principal, Rnowledge Institute of Technology Kakapalayam (Po), Salem-637 594

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Product Development and Programming using E-Box

03.01.2019 - 10.01.2019 | Assessment Report

SI.No	Year	Register Number	Student Name	Final Assessment %
1	III A	611216104001	ABARNA S	72
2	III A	611216104004	ANNAMALAI N	82
3	III A	611216104005	ANUREKA J	62
4	III A	611216104006	ARULANAN D S	79
5	III A	611216104008	AYSHWARYAA N	74
6	III A	611216104011	BOPESH NANDHA P	77
7	III A	611216104017	DINAKARAN M	79
8	III A	611216104021	GAYATHRI S	65
9	III A	611216104022	GOKULS	88
10	III A	611216104027	HAFSANAFATHIMAA R	81
11	III A	611216104029	HARIHARAN M (15-06-1999)	77
12	III A	611216104031	HARINI K G	75
13	III A	611216104032	HARINI SRI R	75
14	III A	611216104035	HARI VIGNESH S	70
15	III A	611216104036	HARSHITHAR	62
16	III A	611216104037	INBARAJ S	84
17	III A	611216104042	JEEVANANTHAM N	63
18	III A	611216104046	KALAIVANI P	79
19	III A	611216:04047	KANMANI V	80
20	EIA	611216104050	KAVIPRIYA I:	03
21	III A	611216104052	KEEKIHIKA N	Gó
22	III A	611216104054	KUMARI SNEHALJHA	75
23	III A	611216104056	LOGESHWARI R	88
24	III A	611216104058	MADHUMIDA S	65
25	111 B	611216104060	MANESHA S	81
26	III B	611216104063	MANOJ S	63
27	III B	611216104065	MOHANAPRIYAA M	64
28	III B	611216104067	NANDHIKA R	82
29	III B	611216104069	NARMADHA R	67
30	III B	611216104072	NIVETHAS	67

31	III B	611216104074	POOJAD	74
32	III B	611216104079	PRIYADHARSHINI K	75
33	III B	611216104083	RUBIGHAM	62
34	III B	611216104086	SARANYA D	68
35	III B	611216104088	SATHISH L	65
36	III B	611216104092	SHARMILAR	66
37	III B	611216104098	SONAS	69
38	III B	611216104100	SRIGOKULNATH S	84
39	III B	611216104101	SRIMATHI M	79
40	III B	611216104104	SUPRAJAP	- 88
41	III B	611216104106	TASNEEM FIRDOUSE S	82
42	III B	611216104301	GEETHANJALIN K	73
43	III B	611216104303	RAJESH KUMAR P	62
44	III B	611216104304	SOWNDARRAJAN C	87

**Max Marks - 100 | Min Marks - 60

R Faculty Incharge

HOD

Principal, Rnowledge Institute of Technology Kekapalayam (Po), Selem-637 504



This is to certify that **KANMANI V**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Product Development and Programming using E-Box** during 03.01.2019 - 10.01.2019.



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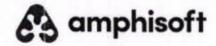
Principal, Knowledge Institute of Technology Kakapalavam (Po), Salem-637 504

No.





This is to certify that SHARMILAR, Knowledge Institute of Technology, Salem, has successfully completed the certificate course on Product Development and Programming using E-Box during 03.01.2019 - 10.01.2019.

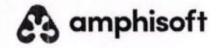


Mrs. Punitha Pradeep Founder & Director





This is to certify that **TASNEEM FIRDOUSE S**, **Knowledge Institute** of **Technology**, **Salem**, has successfully completed the certificate course on **Product Development and Programming using E-Box** during 03.01.2019 - 10.01.2019.



In

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





This is to certify that **SATHISH L**, **Knowledge Institute of Technology**, **Salem**, has successfully completed the certificate course on Product **Development and Programming using E-Box** during 03.01.2019 -10.01.2019.



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





This is to certify that **GEETHANJALIN K**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Product Development and Programming using E-Box** during 03.01.2019 - 10.01.2019.



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

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Narmacha R Course Title: Product Development and programming using Eboa Year/Sem: []] /06 Dept : CSE Date: 10.1.2019

	Please Tick mark on the appropriate box					
Parameters	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 Technolog, Kakapalayam (Po), Salem-637 504

Normadher.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course

14 × 10

Name of the Student: Haunt. K. G

Course Title: Product development and programming using 2-802 Year/Sem: 1v-6 Dept : CSE

	Please Tick mark on the appropriate box					
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)	
Resource person knowledge on the Course		1				
Course Delivery		-	-			
Practical Experience	-		-			
Additional resources available		-				
Overall rating about lecture and Training		-				

Positive points about the Lecture:

* Easy to basen more altoriul topics

* Grain knowledge about paggramming

Suggestions for improvement:

Harrie.

4

Knowledge Institute of Technologi (Signature of the student) Kekapalayam (Po), Salem-637 504

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course

1000

Name of the Student: GOKUL S

Course Title: PRODUCT DEVELOPMENT AND PROGRAMMING USIN E-BOX Year/Sem: 11 / 6 Dept : CSE Dept : CSE

Please Tick mark on the appropriate box Very Poor Satisfactory Poor Excellent Good Parameters (1) (4) (3)(2) (5) Resource person knowledge on the -Course Course Delivery -Practical Experience -Additional resources available Overall rating about lecture and Training

Staff more programming knowlodge.

Positive points about the Lecture:

Gret more

mainerfal exposure

Suggestions for improvement:

Principal,

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

Gokul.S

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Abarna . s Course Title: Product Development and programming using E-box Year/Sem: Th / 6 Date: 10-1-2019

Dept: computer science and Engineering

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course		1					
Course Delivery			-				
Practical Experience	1						
Additional resources available		/					
Overall rating about lecture and Training	-						

Positive points about the Lecture:

thad more expressionce.

They taught with practical examples.

Suggestions for improvement:

Abama s

Knowledge Institute of Technolog (Signature of the student) Kakapalayam (Po), Salem-637 504

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: V. Kanmani Course Title: product development and programming using ϵ -Box Year/Sem: 10.06 Dept: CSE-Date: 10.01, 2019

Please Tick mark on the appropriate box Good Very Poor Satisfactory Poor Excellent Parameters (1) (3)(2) (5) (4) Resource person knowledge on the 1 Course 1 Course Delivery Practical Experience 1 Additional resources available Overall rating about lecture and Training

Positive points about the Lecture:

Gut	MOSE	Industrial	exp	2r Dog	during	this	program	
Graine	d mo	se knowl	ıdge	in	Recu time	. Aç	oplications	

Suggestions for improvement:

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

V. Kanut



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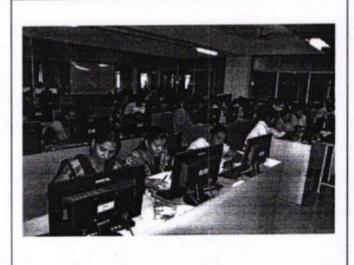
KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504

Department of Computer Science and Engineering

	REPORT OF T	THE EVENT
02.01.2019 - 09.01.2019	Resource person	Prof.K.Ravikumar, Assistant Professor, CSE, KIOT
9.00am - 5.00pm	Title	Design and System Programming using E-Box
CC7 & CC8	No. of Participants	46
	09.01.2019 9.00am - 5.00pm	02.01.2019 - 09.01.2019 Resource person 9.00am - 5.00pm Title

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



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 treessearch, 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, Flyod 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.

- STOPLE

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From

Prof.R.Saranya, Assistant Professor, Department of Computer Science and Engineering Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CSE

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "Design and System Programming using E-Box" from 02.01.2019 - 09.01.2019 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 02.01.2019 -09.01.2019 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Computer Science and Engineering

Thank you,

HOD/CSE

m

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

Yours truly,

PRÍNCIPAL

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KNO	WLEDGE INSTITUTE OF TEC	HNOLOGY, SAL	LEM - 637 504
	CIRCULAR		
Circular No.	2018/CC/EVEN/04	Date	24.12.2018
То	All II Year Students		
Subject	Certificate Course on Design	n and System Prog	gramming using E-Box
Circular issued by	Department of Computer Sc	ience and Enginee	ering

This is to inform you that Department of Computer Science and Engineering has planned to conduct a CERTIFICATE COURSE on Design and System Programming using E-Box in association with Amphisoft 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 02.01.2019 - 09.01.2019 & 9.00am - 5.00pm	Prof . K.Ravikumar Assistant Professor, Department of Compute Science and Engineering
ourse	Incharge: Prof. R.Saranya, Assi	stant Professor/CSE	
	N_ your		Im
	HOD (CSE		PRINCIPAL

HOD/CSE Class Residential Security Director/ Office/ College Trans-KBS Hostel Director/ Placemen Circula Warden S& Office port I/C PD LIBEMS AO File VP CIVI NB CSE NB tion EEE ECE MECH H Training LH GH Office L . . • . • . . .

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

tion

KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

02.01.2019 -09.01.2019

Enrolled Student NameList

SI.No	Year	Register Number	Student Name
1	II A	611217104001	AAKASHMC
2	II A	611217104003	AISHWARYA K
3	ΠA	611217104008	BHARATHY KANNAN M R
4	II A	611217104011	DARSHANA A
5	II A	611217104013	DEEPA K
6	II A	611217104016	DHANUSEYA M
7	II A	611217104017	DHARANIDHARAN M
8	II A	611217104019	DHIKSHA M P
9	II A	611217104020	DHILEEP N
10	ΠA	611217104023	DINESHKUMAR S
11	II A	611217104024	DIWAGARS
12	II A	611217104026	ELANGO A
13	II A	611217104029	GOKULRAJ P
14	II A	611217104030	GOKULRAJAN M
15	II A	611217104031	GOUTHAM P
16	ΠA	611217104032	GOWTHAM G
17	II A	611217104034	HARI PRASANTH M
18	II A	611217104036	JAGADEEP T
19	II A	611217104037	JANANI B (02.03.2000)
20	II A	611217104039	KARTHIK T S
21	II A	611217104040	KAVIN SARVESH A
22	II A	611217104043	MANISH T
23	II A	611217104046	MITHILESH K S
24	II A	611217104048	MOHANAPRIYA K
. 25	II A	611217104049	MONIGA SAROJA E
26	II A	611217104051	MONISHKUMAR B
27	IIA	611217104052	MURALI KRISHNAN M

28	IIA	611217104054	NAGAPRIYA N
29	II A	611217104056	NAVEENA M
30	ΠА	611217104057	PADMAVEERASHREE L
31	II B	611217104060	POOJA C
32	II B	611217104071	PRIYADHARSHNI A
33	ΠВ	611217104072	PRIYADHARSHINI M
34	ΠВ	611217104076	RAJAMANI G
35	ПВ	611217104079	ROOBAN KUMAR R
36	ΠВ	611217104086	SANTHIYA G
37	II B	611217104088	SARANS
38	II B	611217104090	SATHAPPAN M
39	II B	611217104094	SHWETHA S
40	ΠВ	611217104099	SOUNDAR T
41	ΠВ	611217104104	SOWNDHARYA S
42	II B	611217104106	SRI PAVISH U
43	П В	611217104108	SUBASH S
44	II B	611217104112	SURIYA M
45	II B	611217104113	SURYA GANESH H A
46	II B	611217104120	VIJAYS

Faculty Incharge

HOD

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

SYLLABUS & SCHEDULE

Day	Session	Contents
	FN	Introduction to Abstract Data Types and analysis of different algorithms
DAY 1	AN	Searching an array: linear and binary search. Sorting: Merge Sort, and analysi
	FN	ADT Array – searching and sorting on arrays, Review of Pointers in C. The Linked list ADT.
DAY 2	AN	ADT Linked Lists, Stacks, Queues, reverse/search. Doubly linked lists, circular linked lists.
	FN	Stack and Queue ADT, comparison of implementation using arrays and linked lists
DAY 3	AN	Binary Trees, Tree ADT representation, traversal, application of binary trees in Huffman coding.
	FN	Expression trees: Recursive traversal depth, height, and number of nodes. post/pre/infix notation.
DAY 4	AN	Dictionary, ADT Priority queues, Heap ADT implementation and Heapsort, in place sorting, Heaps for maintaining interval trees
	FN	Graphs, matrices. The Graph ADT and applications
DAY 5	AN	Flyod Warshall's algorithm and applications
	FN	List representation of a Graph. Breadth First Search traversal and identification of shortest paths.
DAY 6	AN	Depth First Search recursive specification and application to finding articulation points.

Course Cordinator

HOD

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

02.01.2019 - 09.01.2019 | Course Attendance

SI.No	Year	Register Number	Student Name	21.0	5	X.	19	90	A.H.
1	ΠA	611217104001	AAKASH M C	1	1	1	1	1	1
2	IIA	611217104003	AISHWARYA K	1,	1	1	1	1	1
3	IIA	611217104008	BHARATHY KANNAN M R	1	1	1	1	,	1
4	IIA	611217104011	DARSHANA A	1	1	a	1	1	1
5	ΠA	611217104013	DEEPA K	1	1	1	1	1	1
6	IIA	611217104016	DHANUSEYA M	1	1	1	1	1	1
7	II A	611217104017	DHARANIDHARAN M	1	1	1	1	1	1
8	ΠА	611217104019	DHIKSHA M P	11	1	1	1	1	1
9	ΠA	611217104020	DHILEEP N	1	r	1	1	1	1
10	ΠA	611217104023	DINESHKUMAR S	1	1	1	1	1	1
11	ΠA	611217104024	DIWAGARS	1	1	1	1	1	i
12	IIA	611217104026	ELANGO A	1	1	1	i	1	1
13	ΠА	611217104029	GOKULRAJ P	a	1	1	1	1	1
14	ΠА	611217104030	GOKULRAJAN M	1	1	1	1	1	1
15	IIA	611217104031	GOUTHAM P	1	1	1	1	a	1
16	IIA	611217104032	GOWTHAM G	,	1	1	(1	1
17	IIA	611217104034	HARI PRASANTH M	1	1	1	1	1	1
18	IIA	611217104036	JAGADEEP T	1	1	1	1	1	1
19	IIA	611217104037	JANANI B (02.03.2000)	1	1	1	1	1	1
20	IIA	611217104039	KARTHIK T S	1	1	1	1	1	1
21	ΠA	611217104040	KAVIN SARVESH A	1	1	1	1	1	1
22	IIA	611217104043	MANISH T	\overline{i}	1	1	1	1	1
23	IIA	611217104046	MITHILESH K S	1	1	1	1	1	1
24	IIA	611217104048	MOHANAPRIYA K	1	1	1	1	1	1
25	IIA	611217104049	MONIGA SAROJA E	1	1	1	1	1	1
26	ΠА	611217104051	MONISHKUMAR B	11	1	1	1	1	1
27	ΠА	611217104052	MURALI KRISHNAN M	i	1	1	1	1	1
28	ΠА	611217104054	NAGAPRIYA N	1	1	1	1	1	1
29	IIA	611217104056	NAVEENA M	1	1	1	1	1	1
30	ΠА	611217104057	PADMAVEERASHREE L	1	1	1	1	1	1
31	IIB	611217104060	POOJA C	1	1	1	1	1	a

32	ΠВ	611217104071	PRIYADHARSHNI A	1	1	11	1	1	1
33	ΠВ	611217104072	PRIYADHARSHINI M	1	1	r	1	1	1
34	ΠВ	611217104076	RAJAMANI G	1	1	1	1	1	1
35	ПВ	611217104079	ROOBAN KUMAR R	1	1	11	1	a	1
36	ΠВ	611217104086	SANTHIYA G	1	1	11	r	1	1
37	ΠВ	611217104088	SARAN S	1	1	1	1	1	1
38	ΠВ	611217104090	SATHAPPAN M	1	1	1	1	1	1
39	ΠВ	611217104094	SHWETHA S	I	a	t	1	i	1
40	ΠВ	611217104099	SOUNDAR T	r	1	1	5	1	1
41	ΠВ	611217104104	SOWNDHARYA S	11	1	1	1	1	1
42	ΠВ	611217104106	SRI PAVISH U	1	1	1	1	1	1
43	ΠВ	611217104108	SUBASH S	1	1	(1	1	1
44	ΠВ	611217104112	SURIYA M	1	1	1	1	1	1
45	ΠВ	611217104113	SURYA GANESH H A	i	1	,	i	1	1
46	II B	611217104120	VIJAYS	1	1	1	1	1	1
		Same Carl	No. of Students Present	45	45	45	46	44	4
			No of Students Absent		N	01	-	02	

(a Faculty Incharg

119 HOD

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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Design and System Programming using E-Box

02.01.2019 - 09.01.2019 | Assessment Report

Sl.No	Year	Register Number	Student Name	Final Assessment %
1	II A	611217104001	AAKASH M C	61
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3	ΠA	611217104008	BHARATHY KANNAN M R	76
4	ΠА	611217104011	DARSHANA A	61
5	ΠА	611217104013	DEEPA K	61
6	ΠA	611217104016	DHANUSEYA M	80
7	ΠА	611217104017	DHARANIDHARAN M	83
8	II A	611217104019	DHIKSHA M P	68
9	ΠA	611217104020	DHILEEP N	63
10	II A	611217104023	DINESHKUMAR S	64
11	II A	611217104024	DIWAGAR S	69
12	ПA	611217104026	ELANGO A	84
13	ΠA	611217104029	GOKULRAJ P	62
14	ΠA	611217104030	GOKULRAJAN M	74
15	II A	611217104031	GOUTHAM P	73
16	II A	611217104032	GOWTHAM G	84
17	ΠA	611217104034	HARI PRASANTH M	64
18	II A	611217104036	JAGADEEP T	74
19	II A	611217104037	JANANI B (02.03.2000)	72
20	II A	611217104039	KARTHIK T S	83
21	II A	611217104040	KAVIN SARVESH A	70
22	II A	611217104043	MANISH T	68
23	II A	611217104046	MITHILESH K S	73
24	II A	611217104048	MOHANAPRIYA K	79
25	IIА	611217104049	MONIGA SAROJA E	75
26	II A	611217104051	MONISHKUMAR B	68
27	II A	611217104052	MURALI KRISHNAN M	70
28	II A	611217104054	NAGAPRIYA N	67
29	IIA	611217104056	NAVEENA M	82

30	ΠA	611217104057	PADMAVEERASHREE L	70
31	11 B	611217104060	POOJA C	64
32	II B	611217104071	PRIYADHARSHNI A	66
33	11 B	611217104072	PRIYADHARSHINI M	83
34	II B	611217104076	RAJAMANI G	69
35	ΠВ	611217104079	ROOBAN KUMAR R	65
36	II B	611217104086	SANTHIYA G	60
37	ΠВ	611217104088	SARAN S	69
38	II B	611217104090	SATHAPPAN M	68
39	II B	611217104094	SHWETHA S	83
40	II B	611217104099	SOUNDAR T	62
41	II B	611217104104	SOWNDHARYA S	70
42	II B	611217104106	SRI PAVISH U	63
43	II B	611217104108	SUBASH S	68
44	ПВ	611217104112	SURIYA M	71
45	ΠВ	611217104113	SURYA GANESH H A	75
46	ПВ	611217104120	VIJAYS	63

**Max Marks - 100 | Min Marks - 60

Faculty Indharge

HOD

N Principal, Knowledge Institute of Technology Kakapalayam (Po), Salem-837 564 -



CERTIFICATE OF COMPLETION



This is to certify that **AISHWARYA K**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Design and System Programming using E-Box** during **02.01.2019** -**09.01.2019**.



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



CERTIFICATE OF COMPLETION



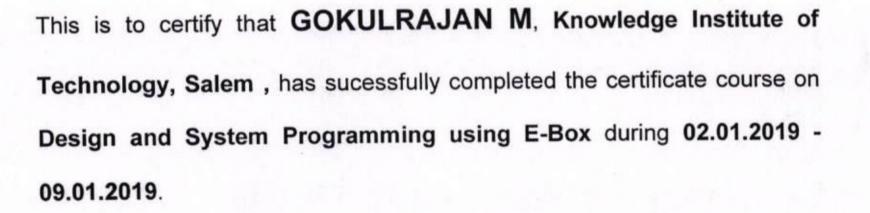
This is to certify that **DHARANIDHARAN M**, **Knowledge Institute of Technology, Salem**, has successfully completed the certificate course on **Design and System Programming using E-Box** during **02.01.2019** -**09.01.2019**.



Principal, Knowledge Institute of Technology Kakapalavam (Po), Salem, 537, 504.



OF COMPLETION





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



CERTIFICATE OF COMPLETION



This is to certify that MANISH T, Knowledge Institute of Technology,

Salem , has successfully completed the certificate course on Design and System Programming using E-Box during 02.01.2019 - 09.01.2019.



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



CERTIFICATE OF COMPLETION



This is to certify that **MURALI KRISHNAN M**, **Knowledge Institute** of Technology, Salem , has successfully completed the certificate course on Design and System Programming using E-Box during 02.01.2019 -09.01.2019.



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

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Course Title: Design And Lystem Pocogocanning using E-box Name of the Student: Growtham . 61 Year/Sem: II IN Date: 09 01 19 Dept : CSE

	Ple	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	~				
Course Delivery		~			
Practical Experience	~	-			
Additional resources available			V		
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:

Growt G (Signature of the student)

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Course Title: DESIGN AND SYSTEM PROGRAMMING USING E-BOX Year/Sem: ii /04 Date: 9/1119 Dept : CSE

	Ple	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	1				-
Course Delivery		0			
Practical Experience	~				
Additional resources available		~			
Overall rating about lecture and Training	1				

Positive points about the Lecture:

Suggestions for improvement:

Güre more problems to solve.

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

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Manish T Course Title: Design and Gystem programming using E-box Year/Sem: 11/04 Dept: CSE Date: 9/1/19

	Please Tick mark on the appropriate box						
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)		
Resource person knowledge on the Course	~						
Course Delivery		~			-		
Practical Experience			~				
Additional resources available	1						
Overall rating about lecture and Training		(

Positive points about the Lecture:

Good and easy to understand.

Suggestions for improvement:

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

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Course Title: design and system programming using L-box Year/ Sem: IL IV

Dept : -CE

- 教育会

Date: 9 1/19

Please Tick mark on the appropriate box Very Poor Satisfactory Poor Good Excellent Parameters (1) (2) (3)(5) (4) Resource person knowledge on the 1 Course Course Delivery 1 1 Practical Experience Additional resources available Overall rating about lecture and 1 Training

Positive points about the Lecture:

examples are good

Suggestions for improvement:

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

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course and system. Programming Using E-box Name of the Student: Deepa K Course Title: Design Year/ Sem: TI IV Dept : CSE

3.5

Date: 9/1/19

	Please Tick mark on the appropriate box							
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)			
Resource person knowledge on the Course	1							
Course Delivery		~		an har				
Practical Experience	1							
Additional resources available			V					
Overall rating about lecture and Training		/		-				

Positive points about the Lecture:

Easy to Understand

Suggestions for improvement:

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

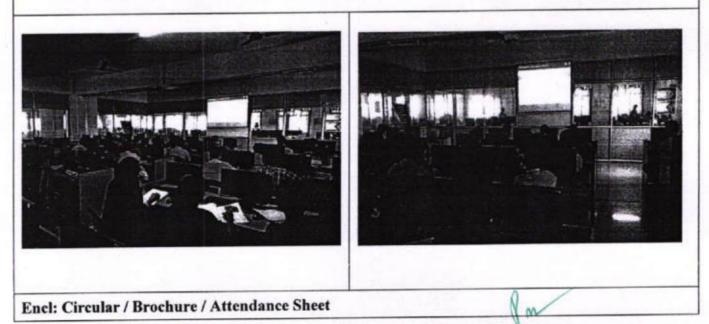
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Department of Computer Science and Engineering

	REPORT OF THE EVENT					
Date	03.09.2018 - 14.09.2018	Resource person	Prof. C.Vanitha, Assistant Professor, CSE, KIOT			
Time	9.00pm - 5.00pm	Title	Database Design and Programming with SQL using Oracle iLearning			
Venue	CC 11 & 12	No. of Participants	64			

- 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 problemsolving skills.





academy.oracle.com

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7-11-2

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, guild 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

21.08.2018 Salem

Erom

Prof.R.Saranya, Assistant Professor, Department of Computer Science and Engineering Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CSE

10000

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 03.09.2018 - 14.09.2018 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.	NAME OF THE	VENUE	RESOURCE PERSON
NO.	PROGRAM	DATE & TIME	
1	Certificate Course on Database Design and Programming with SQL	CC 11, CC 12 03.09.2018 - 14.09.2018 & 9.00am - 5.00pm	Prof.C.Vanitha, Assistant Professor, Department of Computer Science and Engineering

Thank you,



PRINCIPAL

Yours truly,

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM - 637 504						
	CIRCULAI	R				
Circular No.	2018/CC/ODD/03	Date	27.08.2018			
То	All IV Year Students					
Subject	Certificate Course on Databa	se Design and Pro	ogramming with SQL			
Circular issued by	Department of Computer Science and Engineering					

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** for ALL the IV year students of circuit branches. 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	CC 11, CC 12 03.09.2018 - 14.09.2018 & 9.00am - 5.00pm	Prof.C.Vanitha, Assistant Professor, Department of Computer Science and Engineering
ourse	Incharge: Prof. R.Saranya, As	sistant Professor/CSE	
	1222818		M

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KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING Database Design and Programming with SQL using Oracle iLearning

03.09.2018 -14.09.2018

il.No	Year	Register Number	Student Name
1	IV A	611215104001	ABINAYA.S
2	IV A	611215104003	AJITH.M
3	IV A	611215104008	BALAJI.G
4	IV A	611215104011	DEEPAN NAGARAJAN.B
5	IV A	611215104013	DIVVYA DEVI.M
6	IV A	611215104014	DIVYA.S
7	IV A	611215104015	DURAI SHRI DHARSHAN.R
8	IV A	611215104016	ELAMPARITHY.M
9	IV A	611215104017	FOUZIYA ISRATH.S
10	IV A	611215104018	GANGA SREE.K.M
11	IV A	611215104019	GAYATHRI.C.S
12	IV A	611215104021	GEETHANJHALI.R
13	IV A	611215104023	GOKUL KRISHNA.M
14	IV A	611215104024	GOKUL RAJAN.M
15	IV A	611215104026	HARINI.M
16	IV A	611215104027	HARINI.S
17	IV A	611215104030	HEMALATHA.S
18	IV A	611215104034	KARTHICK.K
19	IV A	611215104035	KAVIN.M
20	IV A	611215104036	KAVIPRIYA.G
21	IV A	611215104039	KISHORE KUMAR.K
22	IV A	611215104040	KOUSHIKAA.P
23	IV A	611215104046	LOGASHREE.S
24	IV A	611215104049	MONICA.R
25	IV A	611215104052	NAGAJANANI.S
26	IV A	611215104053	NAGASURYA.R
27	IV A	611215104058	PAVITHRA.S
28	IV A	611215104059	PAVITHRA.S
29	IV A	611215104063	PRATHEEBA.D
30	IV A	611215104064	PRAVEEN KUMAR.B
31	IV A	611215104068	PRIYANKA.M
32	IV A	611215104069	RAGHURAM.M
33	IV A	611215104071	RAMYA.S

Enrolled Student NameList

34	IV A	611215104075	REVANTH.N
35	IV A	611215104077	SAI RAMYA.K
36	IV A	611215104078	SALMAN.A
37	IV A	611215104079	SAMPATH KUMAR.A
38	IV A	611215104082	SARATHKUMAR.S
39	IV A	611215104087	SOWMIYA.E
40	IV A	611215104088	SOWMIYA.J
41	IV A	611215104090	SOWMYA.S
42	IV A	611215104091	SREEJHA.G.K
43	IV A	611215104093	SRILALITHAGAYATHRI.V
44	IV A	611215104094	SRI SAMPOORANI.O
45	IV A	611215104098	TAMILARASI.G
46	IV A	611215104099	THAMANIPRIYA.C
47	IV A	611215104100	VARSHA.R
48	IV A	611215104101	VARSSINI.K
49	IV A	611215104102	VEDA MEENA.D
50	IV A	611215104104	VIMALAN.M
51	IV A	611215104105	VINITHA DEVI.Y
52	IV A	611215104107	YATHISH.S
53	IV A	611215104301	ANANTHS
54	IV A	611215104701	SRINIVASAN M
55	IV A	611215104029	HARI PRIYA.R
56	IV A	611215104061	PRAGATHI.S
57	IV B	611215104009	BHARATHI.G
58	IV B	611215104012	DEEPAPRIYA.V
59	IV B	611215104025	HARINI.M
60	IV B	611215104048	MOHAMED SHAGUL HAMEED.M
61	IV B	611215104106	VISHNULAL.M
62	IV B	611215104032	JAMUNASRI.K
63	IV B	611215104033	KARTHI.M
64	IV B	611215104076	REVATHI.B

18 Faculty Incharge

HOD

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

KNOWLEDGE INSITITE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & NEERING

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

18229 Course Cordinator

HOD

KNOWLEDGE INSITTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Database Design and Programming with SQL using Oracle iLearning

03.09.2018 - 14.09.2018 | Course Attendance

Sl.No	Year	Register Number	Student Name	25.18	N	Q. 180	9. S	0.10	N. 18	5. O.	2:1	2000	13.2	14.1
1	IV A	611215104001	ABINAYA.S		T	(1	1	1	1	1	1	1	1
2	IV A	611215104003	AJITH.M	1		1	1	1	1	1	1	1	1	1
3	IV A	611215104008	BALAJLG	1		1	1	1	1	1	1	1	1	1
4	IV A	611215104011	DEEPAN NAGARAJAN.B	1		1	1	i	1	1	1	1	1	1
5	IV A	611215104013	DIVVYA DEVI.M	1		1	1	1	1	i	1	i	1	11
6	IV A	611215104014	DIVYAS	a		1	1	1	1	1	II	1	1	1
7	IV A	611215104015	DURAI SHRI DHARSHAN.R	1		1	1	i	1	1	1	1	1	1
8	IV A	611215104016	ELAMPARITHY.M	1		1	1	1	1	1	1	1	1	1
9	IV A	611215104017	FOUZIYA ISRATH.S	1		1	1	1	1	1	1	1	1	1
10	IV A	611215104018	GANGA SREE.K.M	1		1	1	-1	1	1	1	1	1	17
11	IV A	611215104019	GAYATHRIC.S	1		1	1	1	1	1	1	1	1	11
12	IV A	611215104021	GEETHANJHALLR	1		1	1	1	11	1	1	1	1	11
13	IV A	611215104023	GOKUL KRISHNA.M	1		1	1	1	11	1	1	1	1	11
14	IV A	611215104024	. GOKUL RAJAN.M	1		1)	1	1	1	11	1	1	TÍ
15	IV A	611215104026	HARINI.M	1		1	1	1	1	a	1	1	1	1
16	IV A	611215104027	HARINIS	1		1	1	1	1	1	1	1	1	1
17	IV A	611215104030	HEMALATHA.S	1		1	1	1	1	1	1	1	1	1
18	IV A	611215104034	KARTHICK.K	1		1	1)	1	1	1	1)	1	11
19	IV A	611215104035	KAVIN.M	1		1	1	1	1	1	1	1	11	11
20	IV A	611215104036	KAVIPRIYA.G	1		1	11	11	11	1	1	9	1	11
21	IV A	611215104039	KISHORE KUMAR.K	1		1	11	1	1	11	1	1	1	11
22	IV A	611215104040	KOUSHIKAA.P	1		.1	1	1	1	1	1	1	1	Ti
23	IV A	611215104046	LOGASHREE.S	1		1	1	i	1	1	1	1	11	11
24	IV A	611215104049	MONICA.R	1		1	1	t	1	1	1	1	1	1

Principal, Knowledge Institute of Technol. Kakaoslavam (Po), Salem-637 5

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25	IV A	611215104052	NAGAJANANLS	1	1	11	1	11	1/	1	TT	1.	T a
26	IV A	611215104053	NAGASURYA.R		1,	11	+	+ /	1 /	1	+ ;-	11	17
27	IV A	611215104058	PAVITHRA.S		11	1	1.	19	<u>+ '</u>	1	+ !	1.	1.
28	IV A	611215104059	PAVITHRA.S	1	11	1	1	+ +	+ !	1	+ (1.	11
29	IV A	611215104063	PRATHEEBA.D	1		1		+ :-	1.	1	-1	11	+-
30	IV A	611215104064	PRAVEEN KUMAR.B	1	a		1	1,	1	+ ;	1	1.	1.
31	IV A	611215104068	PRIYANKA.M		1		1	1,	++			1.	1
32	IV A	611215104069	RAGHURAM.M		1	1.		1	+	1	1	1	4
33	IV A	611215104071	RAMYA.S		1	1		1,	1.	1	1.		4
34	IV A	611215104075	REVANTH.N		1;	11	- 1	1	1		1	1	1
35	IV A	611215104077	SAI RAMYA.K			1		1	1	1	+ {	1	1
36	IV A	611215104078	SALMAN.A		1	1		1.	1	1		1	1
37	IV A	611215104079	SAMPATH KUMAR.A		1	1	1.	1	1		1.	1.	1
38	IV A	611215104082	SARATHKUMAR.S		1	+ +		1.			1.	1/	1
39	IV A	611215104087	SOWMIYA.E	- (,	1 /	+ .	1		1,		1.		1
40	IV A	611215104088	SOWMIYA.J		1			(,	1	1.	1	1
41	IV A	611215104090	SOWMYA.S		1,			1	/			1	1
42	IV A	611215104091	SREEJHA.G.K			1		1	9	/	1	4	1
43	IV A	611215104093	SRILALITHAGAYATHRI.V	1				1	- ,	1		1	1
44	, IV A	611215104094	SRI SAMPOORANI.O	1	1	1					-/-	/	1
45	IV A	611215104098	TAMILARASLG	1	1	1		1					1
46	IV A	611215104099	THAMANIPRIYA.C	1	-	1		-	-,	/	1	/	1
47	IV A	611215104100	VARSHA.R	1	a	1	1				/	1,	
48	IV A	611215104101	VARSSINI.K	1	1				1.	1			/
49	IV A	611215104102	VEDA MEENA.D	1	1		4		1.				1
50	IV A	611215104104	VIMALAN.M	1	-				-/-				
51	IV A	611215104105	VINITHA DEVI.Y	1		1	-		1		4		4
52	IV A	611215104107	YATHISH.S	1	1						4		1
53	IV A	611215104301	ANANTHS	1	1	9	5	4	1	-		-(1
54	IV A	611215104701	SRINIVASAN M	1		,	-	1			-{		1

Principal, Knowledge Institute of Technolog) Kakapalayam (Po), Salem-637 504 1

55	IV A	611215104029	HARI PRIYA.R	1	1	1	11	11	1	1	1	1	1
56	IV A	611215104061	PRAGATHI.S	1	0	1	r	1	1	,	1	1	+ /
57	IV B	611215104009	BHARATHI.G	1	1	1	1	1	1		+	+ +	1
58	IV B	611215104012	DEEPAPRIYA.V	i	1	1		1		1	1	1	1
59	IV B	611215104025	HARINI.M	1	1	1	1	1	a	- (1	1	1
60	IV B	611215104048	MOHAMED SHAGUL HAMEED.M	r	1	1	1	1;	1		1	1	1
61	IV B	611215104106	VISHNULAL.M	1	,	1	1	1,			1	1	1
62	IV B	611215104032	JAMUNASRI.K	1	1	1	1;	1	1	- (1	1	1
63	IV B	611215104033	KARTHI.M	1	1	1	11	1;					
64	IV B	611215104076	REVATHI.B	I	1	1	1.	1;		;	1		-
			No. of Students Present	63	61	63	610	63	61	64	63	64	9
		La La Calendaria	No of Students Absent	01	03	01	-	01	02	_	02	-	01

Faculty Incharge

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HOD

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

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING Database Design and Programming with SQL using Oracle iLearning

SI.No	Year	Register Number	Student Name	Final Assessment %
1	IV A	611215104001	ABINAYA.S	73
2	IV A	611215104003	AJITH.M	61
3	IV A	611215104008	BALAJI.G	78
4	IV A	611215104011	DEEPAN NAGARAJAN.B	77
5	IV A	611215104013	DIVVYA DEVI.M	58
6	IV A	611215104014	DIVYA.S	72
7	IV A	611215104015	DURAI SHRI DHARSHAN.R	82
8	IV A	611215104016	ELAMPARITHY.M	75
9	IV A	611215104017	FOUZIYA ISRATH.S	80
10	IV A	611215104018	GANGA SREE.K.M	69
11	IV A	611215104019	GAYATHRI.C.S	81
12	IV A	611215104021	GEETHANJHALI.R	85
13	IV A	611215104023	GOKUL KRISHNA.M	82
14	IV A	611215104024	GOKUL RAJAN.M	63
15	IV A	611215104026	HARINI.M	79
16	IV A	611215104027	HARINIS	61
17	IV A	611215104030	HEMALATHA.S	81
18	IV A	611215104034	KARTHICK.K	81
19	IV A	611215104035	KAVIN.M	76
20	IV A	611215104036	KAVIPRIYA.G	86
21	IV A	611215104039	KISHORE KUMAR.K	65
22	IV A	611215104040	KOUSHIKAA.P	67
23	IV A	611215104046	LOGASHREE.S	82
24	IV A	611215104049	MONICA.R	86
25	IV A	611215104052	NAGAJANANI.S	71
26	IV A	611215104053	NAGASURYA.R	74
27	IV A	611215104058	PAVITHRA.S	84
28	IV A	611215104059	PAVITHRA.S	77
29	IV A	611215104063	PRATHEEBA.D	65
30	IV A	611215104064	PRAVEEN KUMAR.B	71
31	IV A	611215104068	PRIYANKA.M	83
32	IV A	611215104069	RAGHURAM.M	69

19.09.2018 | Assessment Report

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

33	IV A	611215104071	RAMYA.S	62
34	IV A	611215104075	REVANTH.N	80
35	IV A	611215104077	SAI RAMYA.K	67
36	IV A	611215104078	SALMAN.A	78
37	IV A	611215104079	SAMPATH KUMAR.A	69
38	IV A	611215104082	SARATHKUMAR.S	69
39	IV A	611215104087	SOWMIYA.E	66
40	IV A	611215104088	SOWMIYA.J	57
41	IV A	611215104090	SOWMYA.S	74
42	IV A	611215104091	SREEJHA.G.K	55
43	IV A	611215104093	SRILALITHAGAYATHRI.V	76
44	IV A	611215104094	SRI SAMPOORANI.O	72
45	IV A	611215104098	TAMILARASI.G	73
46	IV A	611215104099	THAMANIPRIYA.C	80
47	IV A	611215104100	VARSHA.R	85
48	IV A	611215104101	VARSSINI.K	69
49	IV A	611215104102	VEDA MEENA.D	61
50	IV A	611215104104	VIMALAN.M	76
51	IV A	611215104105	VINITHA DEVI.Y	65
52	IV A	611215104107	YATHISH.S	69
53	IV A	611215104301	ANANTHS	79
54	IV A	611215104701	SRINIVASAN M	80
55	IV A	611215104029	HARI PRIYA.R	66
56	IV A	611215104061	PRAGATHLS	86
57	IV B	611215104009	BHARATHI.G	64
58	IV B	611215104012	DEEPAPRIYA.V	75
59	IV B	611215104025	HARINI.M	62
60	IV B	611215104048	MOHAMED SHAGUL HAMEED.M	59
61	IV B	611215104106	VISHNULAL.M	68
62	IV B	611215104032	JAMUNASRI.K	65
63	IV B	611215104033	KARTHI.M	64
64	IV B	611215104076	REVATHI.B	. 63

**Max Marks - 100 | Min Marks - 50

a Faculty Incharge

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

HOD



PRESENTED TO DIVVYA DEVI.M

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY Database Design and Programming with SQL FINAL EXAM

19-Sep-2018

c.Vent

Oracle Academy Instructor

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



PRESENTED TO

DIVYA.S

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY Database Design and Programming with SQL FINAL EXAM

19-Sep-2018

c. Vant

Oracle Academy Instructor

Knowledge Institute of Technologi Kakapalavam (Po), Salem-637 504



PRESENTED TO

DURAI SHRI DHARSHAN.R

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

19-Sep-2018

c. Vent

Oracle Academy Instructor

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



PRESENTED TO

FOUZIYA ISRATH.S

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY Database Design and Programming with SQL FINAL EXAM

19-Sep-2018

C. Vent

Oracle Academy Instructor

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

KNOWLEDGE INSTITUTE OF TECHNOLOC", SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: Kartn.M Course Title: Database Destgn and programming with sor using crack Year/Sem: N 107 Dept : COF

	Ple	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	-				
Course Delivery		-			
Practical Experience		-			
Additional resources available	-				
Overall rating about lecture and Training		-			

Positive points about the Lecture:

-> Execution of more query

-> Explained more tepfes with example

Suggestions for improvement:

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

m. M

(Signature of the student)

KNOWLEDGE INSTITUTE OF TECHNOL OGY, SALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course

Name of the Student: Goked Krishna . M

Course Title: Ratabase Disign and programming with sal Using oracle Mamini Year/Sem: 107

Dept : CSE

10.5

Date: 14.09.2018

	Pl	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	~				
Course Delivery		\checkmark			
Practical Experience		~			
Additional resources available	~				
Overall rating about lecture and Training		~			

Positive points about the Lecture:

Exicute	MOVE	Quertes	during	THB	program	

Suggestions for improvement:

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

Gukuner. M

(Signature of the student)

KNOWLEDGE INSTITUTE OF TECH. CLOGY, GALEM.

Department of Computer Science and Engineering FEEDBACK FORM

Type of Course: Certificate Course Name of the Student: MOWICA.R Course Title: Database Resign and programming with SRL using Oracle ileanni Year/Sem: TV/07 Dept : CSE Date: 14.09.18

	· Pl	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	~				
Course Delivery		~			
Practical Experience		~			
Additional resources available			~		
Overall rating about lecture and Training		~			

Positive points about the Lecture:

Explained clearly with many instances and useful

Suggestions for improvement:

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

Monicef

(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: bay 1ph up . G

Course Title: Database pesign and programming with sal Using oracle Ileanning Year/Sem: 12107 Dept: cse Date: 14.09.2018

	Pl	ease Tick	mark on the app	oropriate	box
Parameters	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			1		

Positive points about the Lecture:

Grained Lot of exposure in real-time applications.

Suggestions for improvement:

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

G.F.

(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: Hauini M Course Title: Database Design and programming with sac using oracle ilearn iv JOT Year/ Sem: Date: 14.09.18 Dept : CSE

	Pl	ease Tick	mark on the app	oropriate	box
Parameters	Excellent (5)	Good (4)	Satisfactory (3)	Poor (2)	Very Poor (1)
Resource person knowledge on the Course	~				
Course Delivery		V			
Practical Experience	1	~			
Additional resources available	~				
Overall rating about lecture and Training		V			

Positive points about the Lecture:

Gained expersionce in patabase

Suggestions for improvement:

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

hanni M

(Signature of the student)

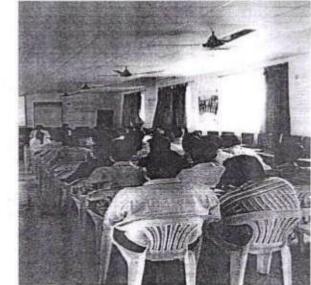
36

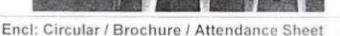


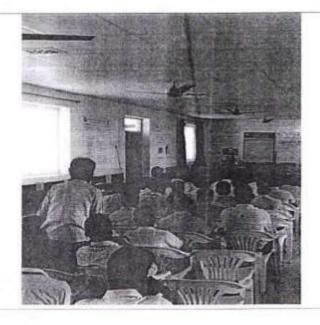
KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504 DEPARTMENT OF CIVIL ENGINEERING

Date	1860	02 07 2018 to 12.07 2018	Resource person	:	Mr. Abhuthaheer.S, Assistant Professor, Dept of Civil Engg., KIOT.
Time	:	2 00 pm to 6 00pm	Title		Certification Course on "Architectural Design of buildings using Revit Architecture"
Venue		CC10, D-Block, KIOT.	No. of Participants	:	25

- The veteran course instructor explained about the Revit Architecture tools and features. The number of students participated were 25.
- This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.
- His training gave a clear cut picture of how students can improve the employability skills of our students with the help of this software tool.
- He also shared his long term experiences in the Construction field and explained the difficulties he had faced in his Industrial Career.







Anowledge Institute of Technology Anowledge Institute of Technology Akapsiavam (PO) Salem - 637 5%

			CIRCULAR								
Circu	lar No.	CIVIL/CC/20	18-19/01	Date	29.06.2018						
То		II Year CIVIL ENGINEERING students									
Subject		Certification Course on Architectural Design of buildings using Revit Architecture –reg.									
Circular iss	ued by	Department of Civil Engineering.									
		OF THE	VENUE		RESOURCE PERSON						
SL. NO.	PRC	GRAM	DATE & T	IME	RESOURCE PERSON						
1 "Architectu of buildir		urse on tural Design ings using chitecture"	al Design D-Block, KIO 02.07.2018 to 12.07.2018		Mr. S.Abhuthaheer, Assitant Professor, Dept. Of Civil Engg. KIOT						
	D 1 1 1/1-	dly Contact: Mr.	S. Pradeep Kun	nar, AP/Civil (978707797)						
For Further	r Details Kin										
	- metalis Kin				IM						

MECH	VP	CIVIL	EE	EECE	CSE	S&H	PD	LIBEN	AS AO	Trans- port I/C	Hoste	Director	Director i Placement		iential rden		Office /	Class Circula-	Security	KBS	Recep
	Office	1								I/C	NO	Training		LH	GH	no	e ne	tion	C.I.I.C.	_	arearry.
	•	•	•		•																
															11						

Checked by	Verified by the
Principal office I/C	sender

File :

1) Principal Office :

2) Concerned issuing department :

fm

PR NUIPAL, Anowledge Institute of Technology Akapelayam (PO) Selam - 637 504

Cermicale Course	TECHNOLOGY	SYLLABUS 1. Introduction to Revit Architecture
on	Knowledge Institute of Technology is one of the upcoming Institutions in India. The college was established in the year 2009. Knowledge Institute of	Introduction About Revit Architecture, History of Revit Architecture, Units, modeling process,
Architectural Design of	Technology is a brainchild of Eminent Professors from leading Engineering Colleges, Philanthropists,	2.Basics of creating and modifying objects Basics of creating and modifying objects- Contine montant Well (New Withburg
buildings using Revit	Friends and Entrepreneurs who would like to contribute in nation building by establishing higher	Railing, Wall. 3. Editing tools
Architecture	learning Institutions. The cutting edge infrastructure, well experienced faculty and accomplished staff	Editing tools- Move, Copy, Rotate, Array, Mirror, Alian, Solit, Trim, Offset,
02.07.2018 to 12.07.2018	make KIOT as a Premier Centre for learning. The college offers 5 B.E. courses and 4 M.E. courses accredited by NAAC and NAAC and NBA (MECH, EEE, ECE, CSE). The vast experience of the	4. Modelling Floor, Roof, Component, Stairs, Railings, Ramp, Curtains
and the fact of the second sec	promoters in training the students for all-round	System, Curtain, Grid, Mullion, Host Sween,
HANNE HANNE	professionals and skill development ensures every student to transform into an evolved individual and a	Create, Profile Creation Method- Overall
and the second se	highly employable professional. ABOUT THE DEPARTMENT OF CIVIL	220
Organized by	ENGINEERING The Civil Engineering branch of KIOT was	Architecture - Massing - Basics (Drafting), View
Department of Civil Engineering	started in the year 2010-11. The faculty members are	(schedule & quantities) 7. 3D design of structures
KNOWI F.DGF.	wen experienced and quanned in durerent specializations. In the enhancement of research	Room & areas,View (sheet, create a new sheet) Structural, Construction, Site (hand scope
INSTITUTE OF TECHNOLOGY	forum, the department has established a "Centre for Sustainable Building Research" and initiated the	works), View (creating camera views) 8. Constant of Gamilie
Accredited by NAAC and NBA	LEED Lab (Leadership in Energy and	Family - Creating doors, windows, furniture,
KIOT campus, Kakapalayam (PO), Salem-637 504,	Environmental Design) in association with United	profile, Rendering works (exterior @ interior),
I anni Nadu, India. www.kiot.ac.in	of Excellence on "Remote Sensing & GIS" in association with SAKURA for carrying out research,	Interior living, Interior Kids- Walk through works - Settings works, printing options (Export and Innort)
0	teaching and consultation activities in various	For Registration Kindly Contact:
New	disciplines of Civil Engineering.	Mr. Pradeep Kumar S, AP/Civil,
"nowladge institute of Tachnology		M:+91978707797, Mail: spkcivil@kiot.ac.in

22.06.2018, Salem

From

S.Pradeep Kumar, Assistant Professor, Department of civil engineering, Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE" from 02.07.2018 to 12.07.2018 for a period of 10 days with the duration of 40 hours. It will be helpful for our II Year Civil Engineering students through which they can enrich their knowledge in Architectural design for various buildings. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development and placement of our students.

The course details are as follows:

Description	Particulars
Year	II (Civil Engineering Students)
Name of the Course	ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE
Company/ Resource Person	Mr.S.Abuthaheer, Assistant professor/CIVIL, Knowledge Institute of Technology
Total Number of Students Registered	25 Nos.

Thank you sir

Yours truly,

Spile

(S.Pradeep Kumar)

PRIMA

HOD/CIVIL

PH NLIPAL. Anowledge Institute of Technology <akapatavam (PO) Salem - 637 504

PRINCIPAL

		DECARTMENT OF C	CIVIL ENGINEEKING			
t. Collection study	tonte h	REGISTERED STUDENTS FO TT - C.U	OR CERTIFICATION COURSE courses conductd by the department of civil engineering for the AY	vil engineering		2018-19
Register No	No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Davs)
611217103001	001	AJEETHA. R				
611217103006	900	DHIVYA. A				
611217103007	200	ELAKKIYA, G				
611217103008	008	GOKUL KUMAR.B				
611217103009	6008	HARI RAJ. R				
611217103013	\$103	LINGESHWARAN, K				
611217103014	5014	LOGESHWARL P				
611217103017	2108	MANIKANDAN. G				
611217103018	301S	MONICA.M				
611217103021	3021	NANDHINI.G.S				
611217103022	3022	NAVEEN . A. K				
611217103025	3025	PREMRAJ.P	Architectural Design of Buildings			24
611217103029	3029	RAMYA.K	using Revit Architecture	02-07-2018	12-07-2018	40
611217103031	3031	SANTHIYA, P				
611217103032	3032	SOWMIYA DEVI. C. S				
611217103033	3033	SRIMATHIHARINDRA PRASATH.K				
611217103035	3035	SUGANTHLS				
611217103036	3036	SUSEENDRAN. S				
611217103037	3037	SUSHMITHA.A				
611217103038	3038	SWETHA.S				
611217103040	3040	VAISHALLR				
611217103304	3304	MOHAMMED TALHA D				0.000
611217103305	3305	PRASATH S				
611217103306	3306	PRIYADARSHINI S				
611217103307	3307	SRI VIGNESH G			4	
	892	n	12. M. 9	. F.	w/	
	10				ALL THE PLAN IN	

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INSTITUTE OF TECHNOLOGY NT OF CIVIL ENGINEERING Design of Buildings using Revit Architecture	, ENGINEI dings using tEPORT	2 21/12/21	-	1	-	5	1	1	/	1	/	/	/	/	/	-	1	/	1	1	/	/	/	/	1	1.	/	QH A	10	April	2.6
Contract Street, Street, or	MENT OF CIVIL ENGIN MENT OF CIVIL ENGIN ral Design of Buildings usi ATTENDANCE REPORT	OHIDI 19 OSINIS	1		1	/	1	1	- 1	-	1	1		1	1.	(5	1	1	1	/	/	/	1	1	1	1	Alt	0)	Arrite	
	KNOWLEDGE IN DEPARTMENT n Architectural De ATTEI	63/07/12 0		1	1	1	-	1	/	1	1	1	- /	1	/	/	1	/	/	/	/	/	y	/	/	1	/	24	10	Sphe	
KNOW	DEPARTME Course on Architectural ATT	02 [01 13 6	1		1	/	/	1	5	1	1	1	1	/	/	1	3	1	1	/	1	1	1	1	1	/	1	23	07	whe	
	Cour	Name of the student C	AJEETHA, R	DHIVYA. A	ELAKKIYA, G	GOKUL KUMAR B	HARI RAJ R	LINGESHWARAN, K	LOGESHWARL P	MANIKANDAN G	MONICA M	NANDHINI.G.S	NAVEEN , A K	PREMIRALP	RAMYA.K	SANTHIYA, P	SOWMIYA DEVL C.S	SRIMATHIHARINDRA PRASATH.K	SUGANTHLS	SUSEENDRAN, S	SUSHMITHA.A	SWETHA.S	VAISHALLR	MOHAMMED TALHA D	PRASATH S	PRIYADARSHINI S	SRI VIGNESH G	No of Shidents present	No. c), studiets absert	Ceurse co-ordinatorsign	Hert/Sign
		Register No	611217103001	611217103006	611217103007	611217103008	611217103009	611217103013	611217103014	611217103017	611217103018	611217103021	611217103022	611217103025	611217103029	611217103031	611217103032	611217103033	611217103035	611217103036	611217103037	611217103038	611217103040	611217103304	611217103305	611217103306	611217103307				
		S.No		2	**1	4	5	9	4	8	6	01	11	12	13	14	15	16	11	18	19	20	21	22	23	24	25				

		KNOWLEDGE INSTITUTE OF T Department of Civil Engi Course Plan			
Name of t	the Course	Architectural Design of Building using Revit Architecture	Semester	03	
Level-1 N	lodule	08	Number of Hours 40 hours		
		EXECUTION SCHED	ULE		
Module No.	Na	me of the Module LEVEL 1	No. of	Hours	
1	Introducti	on to Revit Architecture -Units	04		
2	Basics-Wa	all, Doors, Windows	. 0	-4	
3		ols- Move, Copy, Rotate, Array, lign, Split, Trim, Offset	04		
4	5	-Floor, Roof, Component, Stairs, Ramp, Curtain,	08		
5		- System, Curtain, Grid, Mullion, ep, Create, Profile Creation Method	08		
6	Advanced	Design parameters	04		
7 3D design of Structures			0	4	
8	Creation o Rendering		0	4	

In

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Detailed Execution Plan

Name of the Course Module: 1. Introduction to Revit Architecture

Duration: 04 hours -

Module	Name of the Module	Teaching	Practical	Self-Study	Course Plan
No.		Hours	Hours	Hours	(Day wise)
1	Introduction About Revit Architecture, History of Revit Architecture, Units, modeling process.	2	2		Day 1

Name of th Duration: (he Course Module: 2. Basics of	letailed Execu f creating and		objects	
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	Name of the Module	Teaching	Practical	Self-Study	Course Plan
No.		Hours	Hours	Hours	(Day wise)
3	Editing tools- Move, Copy, Rotate, Array, Mirror, Align, Split, Trim, Offset	2	2		Day 3

Name of the	he Course Module: 4 and 5. Mo	etailed Execut odeling	ion Plan		
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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Name of th Duration: (he Course Module: 6. Advanced	letailed Execu f Design parar			
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
	Introduction About advanced Revit	2			
6	Architecture - Massing - Basics (Drafting), View (schedule & quantities)	2	2		Day 6

Name of th Duration: -	he Course Module: 7. 3D desig	Detailed Execu gn of structure			
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
	Room & areas				(any mady
	View (sheet, create a new	5. m i 1.			
7	sheet)	2	2		Day 7
	Structural				
	Construction				
	Site (hand scope works)				
	View (creating camera.				
	views)	1 I I			

PRINCIPAL, inowledge Institute of Technology invapalayam (PO) Selem - 637 114

	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

spill

FACULTY I/c

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HOD CIVIL



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Stivignesh.G

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
- 19 None of these

3. View Cube can be found in the View

- An Elevation View
- B) Section View
- C) Camra View
- D) 3d View

4. What is the shortkey of Door?

A) DO

- B+p00
- 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?

- ARFA
- B) DWG
- C) RVT
- D) FBX

7. Where is the option Door located in ribbon palate?

- A Circulation
- B) Build
- C) Model
- D) None of these

8. What is full form of UI in Revit Architecture?

PR NCIPAL, nowledge institute of Technology axaoslavam (PO) Salem - 637 504

- A) User Interface Workflow
- B) User Interface
- Cr User Interfere
- D) None of these

9. What is the Revit family file format?

- A) FBX
- BIRVT
- C) REA
- D) DWF

10. We typically sketch the shaft on a host element view.

A) Celling plan

B) 2d plan

C) Floor plan

D) None of these

11. What is the Grid short key?

- A) GD B) ØR C) GL
- D) GRD

12. Create Beam in 3d View by using 3d snapping tools.

A) true

B) Palse

13. By which process we can draw floor by face?

A) Create floor select mass floor

B) mass floor convert into floor building model

Or greate mass floor us floor by face

D) None of these.

14. How can we create Ceiling?

A) Ceiling defined by walls

B) \$ketch inside boundary

C) Pick line method

D) All above

15. You Can Collapse the tree by selecting the

A) -icon

B) +icon

C) +icon and -icon

D None of these

16. What is the Wall shortkey?

ANWAL

B) WL

C) WA

in the Project browser.

PRINCIPAL, Nowledge institute of Technology (Nowledge Institute of Technology (Nowledge Institute of Technology) D) WLL

17. Model Group:Use group when you plan to repeat layout many times in a

A) Files

B) Project and family

C) family

D) None of these

18. Where can you locate Conceptual mass modelling?

A Ribbon palate

B) Application menu bar

C) Project Browser

D) Property Palate

19. How many types of railings are there?

A) 2

B) 4

619

D) 7

20. Where are we find the curtain wall?

A) Build Panel

B) Type Property

C) Type Selector

D) Instance Property

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KNOWLEDGE INSTITUTE OF TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING Course on Architectural Design of Buildings using Revit Architecture

ASSESSMENT REPORT

S.No	Register No	Name of the student	Marks
1	611217103001	AJEETHA. R	20
2	611217103006	DHIVYA. A	19
3	611217103007	ELAKKIYA. G	18
4	611217103008	GOKUL KUMAR.B	20
5	611217103009	HARI RAJ. R	20
6	611217103013	LINGESHWARAN. K	19
7	611217103014	LOGESHWARI. P	19
8	611217103017	MANIKANDAN. G	20
9	611217103018	MONICA.M	19
10	611217103021	NANDHINI.G.S	18
11	611217103022	NAVEEN . A. K	20
12	611217103025	PREMRAJ.P	20
13	611217103029	RAMYA.K	19
14	611217103031	SANTHIYA. P	19
15	611217103032	SOWMIYA DEVI. C. S	20
16	611217103033	SRIMATHIHARINDRA PRASATH.K	19
17	611217103035	SUGANTHI.S	18
18	611217103036	SUSEENDRAN. S	20
19	611217103037	SUSHMITHA.A	20
20	611217103038	SWETHA.S	19
21	611217103040	VAISHALI.R	19
22	611217103304	MOHAMMED TALHA D	20
23	611217103305	PRASATH S	19
24	611217103306	PRIYADARSHINI S	18
25	611217103307	SRI VIGNESH G	20

COURSE CO-ORDINATOR

Principal, Goiler Stitute of Technolog Hop) c IVIL Kakapalayam (Po), Salem-637 504

18-19

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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
- By Build
- C) Model
- D) None of these

View Cube can be found in the _____ View

- A) Elevation View
- B) Section View
- C) Camra View
- DY 3d View
- 4. What is the shortkey of Door?
 - ATDO
 - B) DOO
 - C) DA
 - D) DR
- 5. Define stair sketch method.
 - A) Stair by sketch
 - B) Stair by face
 - CY Stair in component
 - D) Stair by floor

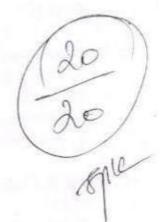
6. What is the Revit project file format?

- A) RFA
- B) DWG
- CIRVT
- D) FBX

7. Where is the option Door located in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

8. What is full form of UI in Revit Architecture?



PRINCIPAL, Inowledge Institute of Technology Akapalayam (PO) Salem - 637 504 A) User Interface Workflow

B) User Interface

C) User Interfere

D) None of these

9. What is the Revit family file format?

A) FBX

B)-RVT

C) RFA

D) DWF

10. We typically sketch the shaft on a host element _____ view.

A) Celling plan

By 2d plan

C) Floor plan

D) None of these

11. What is the Grid short key?

- A) GD
- B) GR
- C) GI
- D) GRD

12. Create Beam in 3d View by using 3d snapping tools.

A) true

B) false

13. By which process we can draw floor by face?

A) Create floor select mass floor

By mass floor convert into floor building model

C) create mass floor us floor by face

D) None of these.

14. How can we create Ceiling?

- A) Ceiling defined by walls
- B) Sketch inside boundary
- C) Pick line method

D) All above

15. You Can Collapse the tree by selecting the

A) -icon

By +icon

C) +icon and -icon

D) None of these

16. What is the Wall shortkey?

- AT WAL
- B) WL
- C) WA

in the Project browser.

PRINCIPAL, Anowledge Institute of Technolog) Fakapalavam (PO) Salem - 537 504 D) WLL

17. Model Group:Use group when you plan to repeat layout many times in a

A) Files

By Project and family

C) family

D) None of these

18. Where can you locate Conceptual mass modelling?

A) Ribbon palate

B) Application menu bar

C) Project Browser

D) |Property Palate

19. How many types of railings are there?

A) 2

BY 4

C) 6

D) 7

20. Where are we find the curtain wall?

AY Build Panel

B) Type Property

C) Type Selector

D) Instance Property

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Assessment for course on Architectural Design of Buildings using Revit

Architecture

- 1. Where are we find the curtain wall?
 - Ar Build Panel
 - BY Type Property
 - C) Type Selector
 - D) Instance Property

Where can you find the Window option in ribbon palate?
 A) Circulation

- BBuild
- C) Model
- D) None of these

View Cube can be found in the

- A) Elevation View
- B) Section View
- C) Camra View
- D) 3d View
- 4. What is the shortkey of Door?
 - A DO
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 - C) DA
 - D) DR
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 - A) Stair by sketch
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- A) RFA
- B) DWG
- C) RVT
- D FBX

7. Where is the option Door located in ribbon palate?

A) Circulation

B) Build

C Model

D) None of these

8. What is full form of UI in Revit Architecture?

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- A) User Interface Workflow
- B) User Interface
- C User Interfere
- D) None of these

9. What is the Revit family file format?

A) FBX

- B RVT
- C) RFA
- D) DWF

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C) Floor plan

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11. What is the Grid short key?

- A) GD
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- 12. Create Beam in 3d View by using 3d snapping tools.

A) true

B) false

13. By which process we can draw floor by face?

(A) Create floor select mass floor

- B) mass floor convert into floor building model
- C) create mass floor us floor by face
- D) None of these.
- 14. How can we create Ceiling?
 - A) Ceiling defined by walls
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 - C) Pick line method

(D) All above

15. You Can Collapse the tree by selecting the

A) -icon

B) +icon

(C) +icon and -icon

D) None of these

16. What is the Wall shortkey?

- (A) WAL
- B) WL
- C) WA

in the Project browser.

PRINCIPAL, Anowledge Institute of Technology Akapalayam (PO) Salem - 637 5 D) WLL

17. Model Group:Use group when you plan to repeat layout many times in a

A) Files

B) Project and family

C) family

D) None of these

18. Where can you locate Conceptual mass modelling?

A) Rjbbon palate

(B) Application menu bar

C) Project Browser

D) |Property Palate

19. How many types of railings are there?

A) 2

B) 4

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D) 7

20. Where are we find the curtain wall?

A) Build Panel

B) Type Property

Type Selector

D) Instance Property

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Assessment for course on Architectural Design of Buildings using Revit

Architecture

- 1. Where are we find the curtain wall?
 - D Build Panel
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 - C) Type Selector
 - D) Instance Property

2. Where can you find the Window option in ribbon palate?

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- C) Model
- D None of these

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- D) 3d View
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- D) FBX

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BDBuild

C) Model

D) None of these

8. What is full form of UI in Revit Architecture?

TINCIPAL inowledge institute of Technology Akapalayam (PO) Salem - 637 504

A) User Interface Workflow

(B) User Interface

C) User Interfere

D) None of these

9. What is the Revit family file format?

A) FBX

BRVT

C) RFA

D) DWF

10. We typically sketch the shaft on a host element _____ view.

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B) 2d plan

C Floor plan

D) None of these

11. What is the Grid short key?

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GR GR

C) GI

D) GRD

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A) true

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D) None of these.

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C) Pick line method

D) All above

15. You Can Collapse the tree by selecting the

A -icon

B) +icon

C) +icon and -icon

D None of these

16. What is the Wall shortkey?

- A) WAL
- (B) WL
- C) WA

PR NLIPAL, Anowledge institute of Technology (akapalayam (PO) Salem - 637 504

in the Project browser.

D) WLL

17. Model Group:Use group when you plan to repeat layout many times in a

A) Files

B) Project and family

C) family

(D) None of these

18. Where can you locate Conceptual mass modelling?

A) Ribbon palate

B) Application menu bar

D Project Browser

D) |Property Palate

19. How many types of railings are there?

A) 2

B) 4

6

D) 7

20. Where are we find the curtain wall?

(A) Build Panel

B) Type Property

C) Type Selector

D) Instance Property

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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

View Cube can be found in the

- A) Elevation View
- B) Section View
- Cer Camra View
- D) 3d View
- 4. What is the shortkey of Door?
 - A) DO
 - B) 1000
 - 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?

- ATRFA
- B) DWG
- C) RVT
- D) FBX

7. Where is the option Door located in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

8. What is full form of UI in Revit Architecture?

Anowindge Institute of Technology Akapalayam (PO) Salem - 637 50



A) User Interface Workflow

B) User Interface

C) User Interfere

D) None of these

9. What is the Revit family file format?

A) FBX

B) RYT

C) RFA

D) DWF

10. We typically sketch the shaft on a host element view.

A) Celling plan

B) 2d plan

C) Floor plan

D) None of these

11. What is the Grid short key?

A) GP B) GR C) GI

D) GRD

12. Create Beam in 3d View by using 3d snapping tools.

Ac tryle

B) false

13. By which process we can draw floor by face?

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By phass floor convert into floor building model

C) create mass floor us floor by face

D) None of these.

14. How can we create Ceiling?

A) Ceiling defined by walls

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G) Pick line method

D) All above

15. You Can Collapse the tree by selecting the

A) -icon

B) +icon

CT +icon and -icon

D) None of these

16. What is the Wall shortkey?

A) WAL

BY WIL

C) WA

in the Project browser.

PRINCIPAL, Anowledge institute of Technology *akapalayam (PO) Salem - 637 5D) WLL

17. Model Group:Use group when you plan to repeat layout many times in a

A) Files

B) Project and family

C) family

D) None of these

18. Where can you locate Conceptual mass modelling?

A) Ribbon palate

B) Application menu bar

C) Project Browser

D) |Property Palate

19. How many types of railings are there?

A) 2

B) 4

06

D) 7

20. Where are we find the curtain wall?

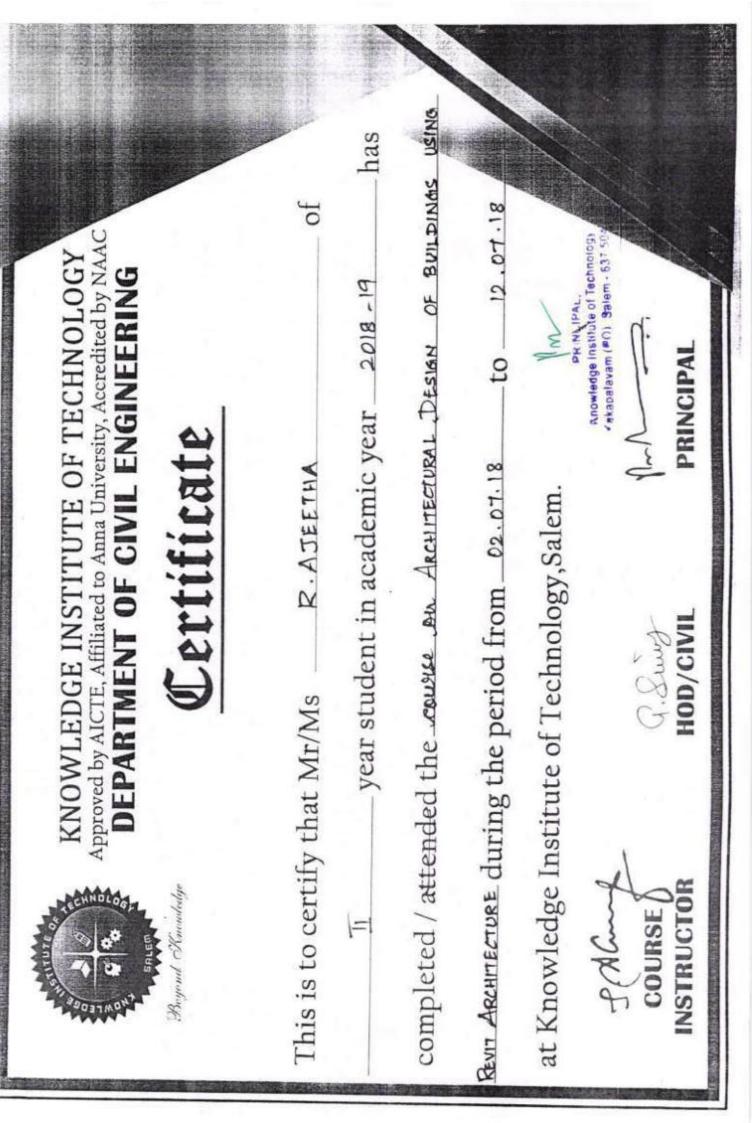
A) Build Panel

B) Type Property

C9 Type Selector

D) Instance Property

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Certificate

M. MONICA This is to certify that Mr/Ms =

0

has 2018-19 year student in academic year

ONISH completed / attended the course on Architectural DESIGN OF BUILDINGS

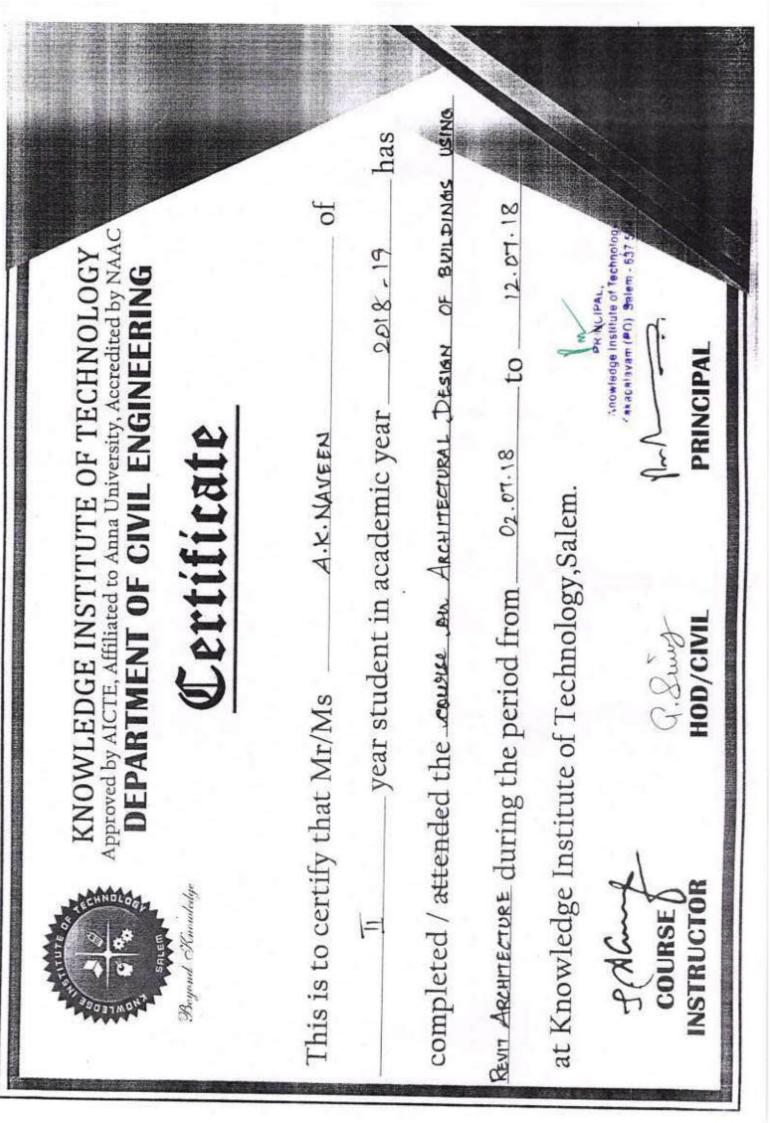
to 12.07.18 RENT ARCHITECTURE during the period from 02.07.18

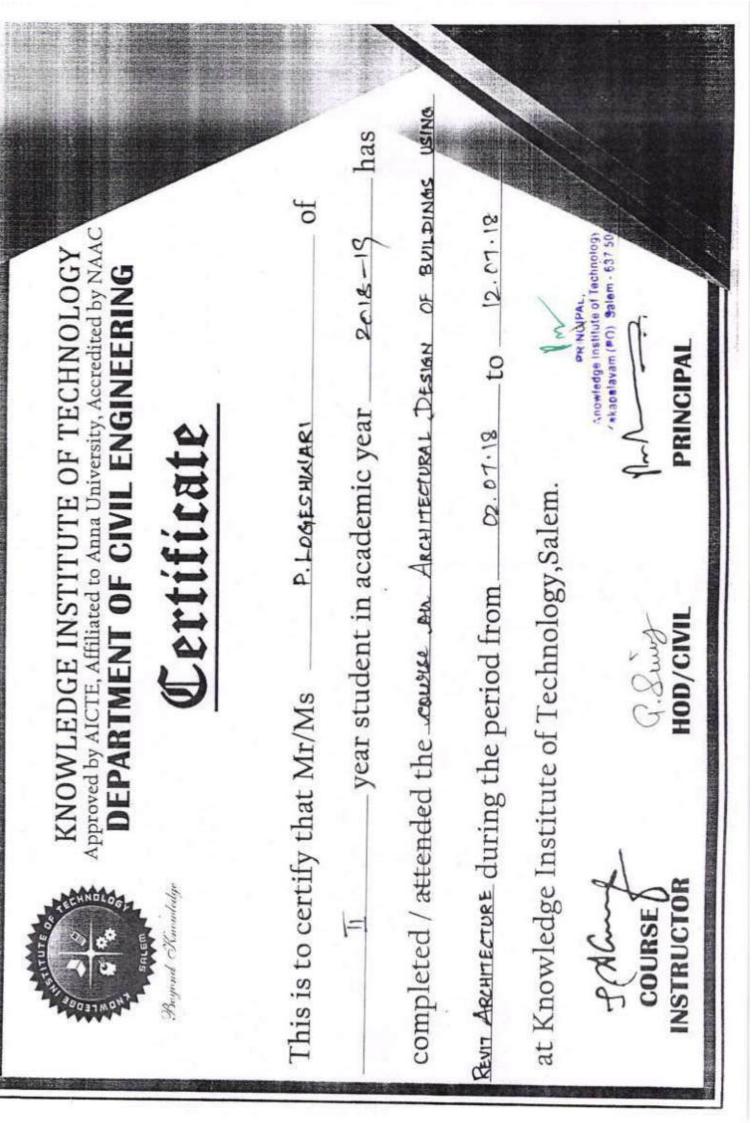
at Knowledge Institute of Technology, Salem.

FACUL INSTRUCTOR COURSE

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HNOLOGY redited by NAAC EERING	of	2018-19	IAN OF BUILDINAS	to 12.07.18	Pm/	NCIPAL
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KNOWLEDGE INSTITUTE OF TECHNOLOGY Approved by AICTE, Affiliated to Anna University, Accredited by NAAC DEPARTMENT OF CIVIL ENGINEERING CETTIFICATE		year student in academic year	completed / attended the course on Architectural DESIGN	REWN ARCHITECTURE during the period from 02.07.18	at Knowledge Institute of Technology,Salem.	G. Bund
JACANONG .	This is to certify that Mr/Ms	TI yea	1 / attended th	TURE during the	edge Institute (SEC
Beyoud Khuun	This is to		completed	REVIT ARCHITEC	at Knowle	COURSE

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FEEDBACK FORM

CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE

Name: Gokul Kumar

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	1	-		
2	Course Material		1		
3	Clarity of the content delivery		1		
4	Hands on training experience			1	
5	Overall experience about the Course		1		

SUGGESTIONS IF ANY:

Good en enerve

Student Sign:

PRINCIPAL, nowledge institute of Technology skapalavam (#O) Salem - 637 504



FEEDBACK FORM

CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE

Name: R. A JEETHA

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		1		-
2	Course Material	1			
3	Clarity of the content delivery		1		
4	Hands on training experience	1			
5	Overall experience about the Course		1		

SUGGESTIONS IF ANY:

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Student Sign:

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



FEEDBACK FORM

CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE

Name: R. Harizaj

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	1			
2	Course Material		~		
3	Clarity of the content delivery	V			
4	Hands on training experience		~		
5	Overall experience about the Course	~			

SUGGESTIONS IF ANY:

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Student Sign:

R. Haridust.

PRINCIPAL,

Anowledge Institute of Technology **kapslavam (PO) Salem - 637 - - :



FEEDBACK FORM

CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE

Name: Srimathil trinchafrasatt - K

tamto

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	V			
2	Course Material		~		
3	Clarity of the content delivery		\checkmark		
4	Hands on training experience		V		
5	Overall experience about the Course		\checkmark		

SUGGESTIONS IF ANY:

Hands on training superience

Student Sign:

Nowledge Institute of Technology (*kapslavam (*O) Salem - 637 502



FEEDBACK FORM

CERTIFICATION COURSE ON ARCHITECTURAL DESIGN OF BUILDINGS USING REVIT ARCHITECTURE

Name: C_C Socomiya Devi

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	V			
2	Course Material		V		
3	Clarity of the content delivery			V	
4	Hands on training experience		V		
5	Overall experience about the Course	V	-		

SUGGESTIONS IF ANY:

Hands on training experience is good

Student Sign:

PRINCIPAL, snowledge institute of Technology *xapelayam (PO) Salem - 637 504



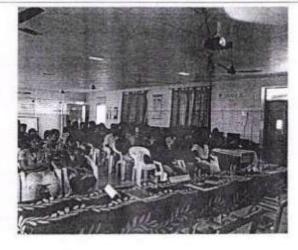
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REPORT OF THE EVENT

Date	:	09.07.2018 to 19.07.2018	Resource person		T.Prem Kumar, Course Instructor, Cadd square, Salem.
Time	4	9.30 am to 1.30pm	Title	•	Certification Course on 3D Modeling of buildings using 3ds MAX DESIGN
Venue	:	CC10, D-Block, KIOT.	No. of Participants	:	42

- This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry.
- He has given the overall view of the software course and has made student to design the architectural perspective of the building.
- 3. This training gave a clear cut picture of planning and design of building to our students.
- 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

OPINI, IF Anowledge Institute of Technology (akapatayam (PO) Salem - 637 50/

	OWLEDGE INSTITUTE OF TEC CIRCULA	and the second second second second					
Circular No. CIVIL/CC/2018-19/02 Date 05.06.2018							
То	III Year CIVIL ENGINEERING students						
Subject	Certification Course on 3D M design -reg	Aodeling of bui	ildings using 3ds MAX				
Circular issued by	Department of Civil Enginee	ring.					

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.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON
1	Course on "3D Modeling of buildings using 3ds MAX design"	CC10, D-Block, KIOT. 09.07.2018 to 19.07.2018 9.30 am to 1.30pm	Er. T.Prem Kumar Course Instructor, CAD SQUARE. Salem-4.

at Summer	
SENDER	PRINCIPAL

VP	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Trans- port	Hostel	Director	Director / Placement		lential rden	College	Office /	Class Circula-	Security	KBS F	Recep
										I/C	100	Training		LH	GH	140	1.042	tion	ome	1. 7	tion
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Checked by	Verified by the	
Principal office I/C	sender	

File :

1) Principal Office :

2) Concerned issuing department :

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	 A Philanthropists, Selection Tools, Operating Tools, Mirror & Sould like to Snaps - Concepts Of 2d Shapes, Extrude Lathe, Loft, Boolean, Using Editable Spline. a faculty and ficulty and Relation With Auto Cad And Revit Architecture. Mesh & Poly Floor. Roof. E. courses and 4 Anodellino 			For Registration kindly Contact: Mr. Pradeep Kumar S, AP/Civil, M. Unit Setup, Mr. Pradeep Kumar S, AP/Civil, Mr. Pradeep Kumar S, AP/Civil,
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	L H B IS IS F	M.E. courses accredited by NAAC and NBA (MECH, EEE, ECE, CSE). 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 Util 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 Funneerina	SYLLABUS SYLLABUS LIntroduction to 3ds Max Design Introduction To 3ds Max & GUI, Unit Setup, Application of Tools In Main Tool B.n &
Certificate Course on	5D modelling of Buildings using 3ds MAX DESIGN 09.07.2018 to 19.07.2018	Organized by Department of Civil Engineering	KNOWLEDGE INSTITUTE OF TECHNOLOGY Accredited by NAAC and NBA Accredited by NAAC and NBA K101 campus, Kakapulayam (PO), Salem-637 504, Tamit Nadu, India, www.kiot.ac.in	PRINCIPAL, Annutedge Institute of Technology

14/06/2018, Salem

From

S.Pradeep Kumar, Assistant Professor, Department of civil engineering, Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "3D MODELLING OF BUILDINGS USING 3ds MAX DESIGN" from 09.07.2018 to 19.07.2018 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	3D MODELLING OF BUILDINGS USING 3ds MAX DESIGN
Company/ Resource Person	Er. T.Prem Kumar, Course Instructor, Cadd Square,Salem
Total Number of Students Registered	42 Nos.

Thank you sir

Yours truly.

& haley 2

(S. Pradeep Kumar)

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Anowledge Institute of Technology (Rekapelayam (PO) Selem - 637 504

		C LINE NO DIG	NEWEDLOF CIVIL ENGINEERING			
		REGISTERED STUDENTS	STUDENTS FOR CERTIFICATION COURSE			
The	e following students	The following students have been registered for the various certification courses conductd by the department of civil engineering for the AY	n courses conductd by the department of ci-	ivil engineering		2018-19
S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs (10 Days)
-	611216103001	Aiswariya K C				
0	611216103002	Aravinth B				
3	611216103003	Ayyappan R				
4	611216103004	Bharathraj D				
5	611216103006	Harineka P.S				
9	611216103007	Harinisri K				
1	611216103008	Jeevagan R				
s	611216103011	Kiruthika G				
6	611216103012	Lakshmi S		3		
10	611216103014	Manikandaprabhu R				
H	611216103016	Monisha S	3D modelline of Buildings using			
<u></u>	611216103017	Nandhini R	2.de Mare Davian	09-07-2018	19-07-2018	40
13	611216103018	Nanthini V	ugisori way soc			
14	611216103020	Nisha				
15	611216103021	Niveditha]				
16	611216103022	Prasanth K				
17	611216103024	Ravi Kumar K				
18	611216103025	Sabari S				
61	611216103027	Santhiya M				
20	611216103032	Sathyan S				
21	611216103035	Suriya P				
22	611216103036	Sushmithan P				
23	611216103038	Thamaraiselvan R				

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Duration Hrs (10 Davs)										40									
End Date										19-07-2018									
Start Date		09-07-2018 19-07-2018																	
Name of the certificate courses									3D modalling of Buildings united	212 mousting or buildings using	Due May Presign								
Name of the student	Tharani S	Thilibkumar R	Vignesh Raj V	Boopathi Raj V	Elangovan R	Kanagaraj S	Karthik S	Kesavan K V	Madhan Babu V	Malligarjanan s	Murugabalaji R S	Nandhakumar P	Nandha Sriram V	Raja K	Ridesh Kumar V	Sakthivel S	Sathish kumar V	Siva Prasath S	Venkatesh S
Register No	611216103040	611216103042	611216103044	611216103301	611216103302	611216103304	611216103305	611216103306	611216103307	611216103308	611216103309 1	611216103310 1	611216103311 1	611216103313 1	611216103315	611216103316 5	611216103317 5	611216103318 5	611216103320
S.No	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

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	KNOWLEDGE INSTITUTE OF TECHNOLOGY Department of Civil Engineering Course Plan					
Name of th	e Course	3D modeling of Buildings using 3ds MAX DESIGN	Semester	05		
Level-1 Mc	odule	09	Number of Hours	40 hours		
1.6-		EXECUTION SCHED	ULE			
Module No.	stante of the Module DE VEL 1					
1	Introdu	04				
2	Standar	04				
3	Tools, N	04				
4	Relation	04				
5	Modelin	04				
6	04					
7	Material	04				
8	Camera	& Camera Features, Path camera, W	alk Through	04		
9		ng Setup & Rendering, Walk Throug	CO C AN ALL PARAMA	08		

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Name of t Duration:	he Course Module: 1. Introduct	Detailed Execution to 3ds M	AND ADDE TO AN ADDR.		
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

Name of t Duration:	he Course Module: 2. Geometry	Detailed Execu y and Objects			
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

Name of t Duration:	he Course Module: 3. Editing t	Detailed Execu ools	ition Plan		
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

PR NLIPAL, Knowledge Institute of Technology *#kapalayam (PO) Salem - 637 51

		Detailed Execu	tion Plan	1.000	
Name of t Duration:	he Course Module: 4. Usage o 04 hours	of mesh and p	oly		
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

Name of t Duration:	he Course Module: 5. Modelin	Detailed Execung	tion Plan	a last	
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

Name of the Name o	he Course Module: 6. Usage (Detailed Execu of tools	tion Plan		
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan (Day wise)
	Selection Tools,				1
6	Operating Tools, Mirror				
	& Snaps - Concepts Of			12	
	2d Shapes	2	2		Day 6
	Extrude Lathe , Loft,		(
	Boolean				
	Using Editable Spline			-	

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Name of the Duration:	he Course 2 Module: 7. Advanc	Detailed Execu eed Design par	192210-0128000	a a	
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

Name of t Duration:	he Course Module: 8. 3D desig	Detailed Execu of structure			
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

Name of t Duration:	he Course Module: 9. Render	Detailed Execu ing	tion Plan		
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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		e student																																			PRESENT
		Name of the student	Atswariya K C	AUVINIA IS	Bharathraj D	Harineka P S	Harinsri K	Jeevagan R	Kiruthika G Labehmi S	Manikandaprabhu R	Monisha S	Nandhini R	Nisha1	Niveditha	Prasanth K	Ravi Kumar K	Santhiwa M	Sathyan S	Suriya P	Sushmithaa P	Thamaraiselvan R	Thilibkumar R	Vignesh Raj V	Boopathi Raj V	Elangovan R	Kanagaraj > Karhik S	Kesavan K V	Madhan Babu V	Malligarjanan s	Murugapaiaji K.S.	Nandha Sriram V	Raja K	Ridesh Kumar V	Sathish kumar V	Siva Prasath S	Venkatesh S	NO. OF STUDENTS
			_	611216103002 A		-			611216103011 K			611216103017 N	-	-	611216103022 P	-	611216103027 S			-		611216103042 T	-	-	-	611216103305 K	-	-	611216103308 N	-	-		_	611216103317 S		611216103320 V	NO.OF
		S.No			+	10		1	x 0			21	14	15			0		I.	22	23	25	26	27	28	30	31	32	33	52	36	37	38	40	41	42	

KNOWLEDGE INSTITUTE OF TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING Course on 3D modelling of Buildings using 3ds Max Design ASSESSMENT REPORT

S.No	Register No	Name of the student	Marks
1	611216103001	Aiswariya K C	20
2	611216103002	Aravinth B	19
3	611216103003	Ayyappan R	18
4	611216103004	Bharathraj D	20
5	611216103006	Harineka P S	20
6	611216103007	Harinisri K	19
7	611216103008	Jeevagan R	19
8	611216103011	Kiruthika G	20
9	611216103012	Lakshmi S	19
10	611216103014	Manikandaprabhu R	18
11	611216103016	Monisha S	20
12	611216103017	Nandhini R	20
13	611216103018	Nanthini V	19
14	611216103020	Nisha J	19
15	611216103021	Niveditha J	20
16	611216103022	Prasanth K	19
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21	611216103035	Suriya P	19
22	611216103036	Sushmithaa P	20
23	611216103038	Thamaraiselvan R	19
24	611216103040	Tharani S	18
25	611216103042	Thilibkumar R	20
26	611216103044	Vignesh Raj V	20
27	611216103301	Boopathi Raj V	20
28	611216103302	Elangovan R	19
29	611216103304	Kanagaraj S	19
30	611216103305	Karthik S	20
31	611216103306	Kesavan K V	19
32	611216103307	Madhan Babu V	18
33	611216103308	Malligarjanan s	20

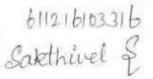
Principal, Knowledge Institute of Technology Cakaoatavam (Po), Salem-637 504

		Name of the student	Marks
S.No Registe			20
34 6112161	03309 Mur	ugabalaji R S	20
35 6112161	03310 Nan	dhakumar P	
36 6112161		dha Sriram V	19
37 6112161		ιK	19
38 6112161		esh Kumar V	20
	00010	thivel S	19
	00040	nish kumar V	18
40 611216			20
41 611216	03318 Siva	a Prasath S	17
42 611216	103320 Ver	hkatesh S	17

COURSE CO-ORDINATOR

G. Stung? HODICIVIL

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





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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
- 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
 - D. Render
 - c. Frame Rate
 - d. Command Panel
- 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
 - Ø SMPTE
 - d) Mesh
- 4. Which is a single point in a graphic image.
 - a) Faces
 - b) Pixel
 - () Edge
 - d) Spline
- 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
- which records the beginning and end of each transformation of an object or element in the scene.
 - a) Faces
 - b) Vectors
 - () Keyframes
 - d) Vertex

7. A wireframe box that encloses the extents of an object is called_

a) Origin

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- (b) Bounding Box
- c) Modifiers
- d) Animation

8. Which is a setting or value that you can change.

SMPTE

- b) Parameter
- c) Frame Rate
- d) Vertex
- 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_

- J 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

PRINCIPAL, Anowledge institute of Technology Anowledge (PO) Salem - 637 504 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
 - () ViewCube
 - d) Workflow

17. Which contains information about the scene and the active command?

- a) Material
- b) Title Bar
- Ø) Status Bar
 - d) Menu Bar

18, which is an icon-based menu available from any button that has a small black triangle

- a) Polygons
- (D) 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

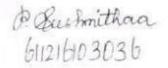
20.

21. Which is the standard time display format for most professional animation work?

- a) Maps
- b) SMPTE
- c) Vertex
- Ca) Tile

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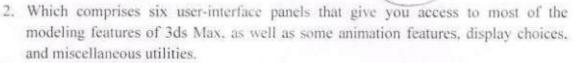
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Assessment for course on 3D modelling of Buildings using 3ds Max Design

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Thilib Kunner R. . 611216103072



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Assessment for course on 3D modelling of Buildings using 3ds Max Design

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 - (e) Edge
 - d) Spline

 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

Les Specular colour

d) Diffuse Colour

which records the beginning and end of each transformation of an object or element in the scene.

- a) Faces
- b) Vectors
- Keyframes
- d) Vertex

7. A wireframe box that encloses the extents of an object is called_

a) Origin

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

- b) Bounding Box
- c) Modifiers
- M) Animation

8. Which is a setting or value that you can change.

- a) SMPTE
- b) Parameter
- Y) Frame Rate
- d) Vertex
- Which provides quick access to tools and dialog boxes for many of the most common tasks in 3DS Max.
 - Status Bar
 - b) Title Bar
 - c) Menu Bar
 - d) Main Toolbar
- What is the display area of the user interface that allows you to view and manipulate the modifiers on an object.
 - a) Title Bar
 - (15) Modifier Stack
 - c) Material
 - d) Modifiers

11. Area of the User Interface where the objects are displayed is called

- a) Vectors
- b) Gizmo
- Viewport
- d) ViewCube

12. An arbitrary point in space is used as the

- a) Grids
- b) Spline
- Object
- d) Origin

13. Which is used to replicate an image used as a map.

- a) Tile
- b) Pixel
- W) 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
- A)/Edge

PRINCIPAL, Anowledge Institute of Technology Tekapatayam (PO) Salem - 637 Sur 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

Flyout

c) Faces

d) Object

19. A collection of vertices and connecting segments that form a line or curve is called

a) Tile

MOrigin

c) Spline

d) SMPTE

20.

21. Which is the standard time display format for most professional animation work?

a) Maps

b) SMPTE

Vertex

d) Tile

PRINCIPAL, Anowledge Institute of Technology fekabalayam (PO) Salem - 637 511

D Bharathraj 611216103004



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Kakapalayam (PO), Salem - 637 504

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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
 - -cr/User Interfere
 - d) None of these
- 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
 - Sc Frame Rate
 - d. Command Panel
- 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
 - 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
- which records the beginning and end of each transformation of an object or element in the scene.
 - a) Faces
 - by Vectors
 - c) Keyframes
 - d) Vertex

7. A wireframe box that encloses the extents of an object is called_

a) Origin

PRINCIPAL, Anowledge institute of Technology Akapalayam (PO) Salam - 637 504

20 1

- b) Bounding Box
- c) Modifiers
- an Animation

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- UN Spline
- c) Object
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- 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

PRINCIPAL, Anowledge Institute of Technology (*) apalavam (PO) Salem - 637 502 15. Images generated by the computer in between the keyframes is called_

- a) Tweens
- b) Faces
- Tile
- d) Grids
- 16. Which viewport display setting that lets you view objects in a given viewport as a wire mesh.
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- a) Material
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- a) Tile
- b) Origin
- c) Spline
- () SMPTE
- 20.

21. Which is the standard time display format for most professional animation work?

- a) Maps
- b) SMPTE
- c) Vertex
- t) Tile

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K.C. Aiswarya 611216103001



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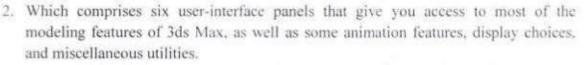
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Inowledge Institute of Technologi Akapalayam (PO) Salem - 637 504

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



a, Material

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- c. Frame Rate
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d) Tile

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	DEPARTMENT OF CIVIL ENGINEERING	
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	This is to certify that Mr/Ms P. Sushmithan of	
	ill year student in academic year 2018-19 has	
	completed the course on an Modelling of Buildings using	
	3ds Max Design during the period from oglerie to merile	
	at Knowledge Institute of Technology,Salem.	
	The state of Technology	7 500
	G. Sing R	
	INSTRUCTOR HOD/CIVIL PRINCIPAL	14

KNOWLEDGE INSTITUTE OF TECHNOLOGY Approved by AICTE, Affiliated to Anna University, Accredited by NAAC DEPARTMENT OF CIVIL ENGINEERING	This is to certify that Mr/Ms V. Boopathi Raj of	ין אפער student in academic year איז	completed the course on <u>3D</u> Medelling of Buildings using 3ds Max Design during the period from calarlis to details	at Knowledge Institute of Technology, Salem.	TRuction G. Buy INSTRUCTOR HOD/CIVIL PRINCIPAL

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	This is to certify that Mr/Ms R. Jeetagan of	
	ill year student in academic year 2 pit -19 has	
	completed the course on an Madelling of Buildings using	5
	3ds Max Design during the period from palet/18 to 19/07/18	ř.
	at Knowledge Institute of Technology, Salem.	
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FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design Year/Sem/Sec: (1)

Name: 5. 5abari

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	A			
2	Course Material	\wedge		÷	
3	Clarity of the content delivery	1		-	
4	Hands on training experience		\wedge		
5	Overall experience about the Course	1			
Sugge	stions if any:				

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Student Sign:

PR NLIPAL snowledge institute of Technology +kapalavam (PO) Salem - 637 500



FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design

Name: St. Braxanth

Year/Sem/Sec: 11/05

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		1		
2	Course Material	1			
3	Clarity of the content delivery		1		
4	Hands on training experience	~			
5	Overall experience about the Course	1			

Suggestions if any:

II is useful for my partice

Student Sign: P.S.L

inowledge Institute of Technology *ekapalavam (PO) Salem - 637 507



FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design Year/Sem/Sec: 717 /05

Name: ICC ALGUARINA

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		1		
2	Course Material	-			
3	Clarity of the content delivery		1		
4	Hands on training experience	\sim			
5	Overall experience about the Course		2		

Suggestions if any:

Very Good

Student Sign: Ro lat

NCIPAL, Anowledge Institute of Technology (akapalavam (PO) Salem - 637 502



FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design

Name: K. Harinisti

Year/Sem/Sec: 11105

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer		2		
2	Course Material		~		
3	Clarity of the content delivery	2			
4	Hands on training experience		1		
5	Overall experience about the Course	-1			

Suggestions if any:

Very Qued cal cuseful

Student Sign:

- 101

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FEEDBACK FORM

COURSE on 3D Modeling of Buildings using 3ds Max Design Name: S. Lakehmi Year/Sem/Sec: 11/05

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	~			
2	Course Material	2			
3	Clarity of the content delivery		2		
4	Hands on training experience	~			
5	Overall experience about the Course		~		
Sugge	stions if any:				
	The Course given	້ ເ	us effect		
	Student	Sign:			
		Ser.			

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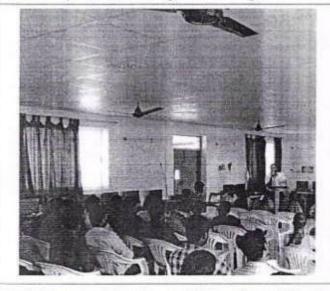


KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM-637504

DEPARTMENT OF CIVIL ENGINEERING

Date		12.07.2018 to 23.07.2018	Resource person	•	P.M.Muthukrishnan, Course Instructor, Cadd square, Salem.
Time	•	10.00 am to 2.00pm	Title	:	Certification Course on Analysis of structural members using Staad pro v8i
Venue	:	CC10, D-Block, KIOT.	No. of Participants	:	40

- This training has been organized to enhance the standard of fresh civil engineering graduates to become acceptable to the industry. STAAD.Pro is the most widely used software for structure designing processes. STAAD.Pro Foundation, STAAD.offshore, and RAM Concept for designing of foundations, offshore structures and steel connection tools are provided.
- 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 onestop-point for building design. This software can also calculate the reinforcement for the concrete columns, beams and shear wall.
- 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

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

	CIRCULA	R	
Circular No.	CIVIL/CC/2018-19/03	Date	09.07.2018
То	IV Year CIVIL ENGINEERIN	IG students	16
Subject	Certification Course on Ana Staad pro v8i –reg.	lysis of Structu	ural members using
Circular issued by	Department of Civil Enginee	ring.	
20			

This is to inform you that Department of Civil Engineering has planned to conduct Certification Course on Analysis of Structural members using Staad pro v8i for IV year Civil Engineering students. Registered candidates are requested to attend the course and make use of the given opportunity.

SL. NO.	NAME OF THE PROGRAM	VENUE DATE & TIME	RESOURCE PERSON		
1	Certification Course on "Analysis of Structural members using Staad pro v8i"	CC10, D-Block, KIOT. 12.07.2018 to 23.07.2018 10.00 am to 2.00pm	Er. P.M. Muthukrishnan Course Instructor, CAD SQUARE. Salem-4.		
r Furthe	r Details Kindly Contact: Mr.	S. Pradeep Kumar, AP/C	ivil (978707797)		
6	t Summer to		1.M		
SE	ENDER		PRINCIPAL		

MECH	VP	CIVIL	EEE	ECE	CSE	S&H	PD	LIB	EMS	AO	Trans- port	Hostel NB	Director	Director / Placement	Resid Wa	lential rden	College NB	Office /	Class Circula-	Security	KBS	Recep
											I/C		Training		LH	GH	14.5	1.66	tion	cince		trons
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Verified by the	1
sender	

File :

1) Principal Office :

2) Concerned issuing department :

PR NLIPAL, Snowledge Institute of Technology Fekabelavam (PO) Salem - 637 502

Engineering, The vast experience of the promoters of in training the students for all-round professionals				 1.Introduction to Staad Pro v8i Introduction, STAAD plane (member I incidence). STAAD space foint coordinate 					 option, report setup, export @ import options. Resource Person: Er.P.M.Muthukrishnan, 	the For Registration Kindly Contact: Mr. Pradeep Kumar S., AP/Civil, Mr.+91978707797 ,	vil Mail: spkcivil@kiot.ac.in	
ABOUT KIOT Knowledge Institute of Technology is one of	the upcoming Institutions in India. 77	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.F. courses Accredited by NAAC	The vast experience of the promoters in training the students for all-round professionals and skill development ensures	every student to transform into an evolved individual and a highly employable	professional. ABOUT THE DEPARTMENT OF CIVIL ENGINEERING The Civil Engineering branch of KIOT was started in the year 2010-11. The faculty members are well	experienced and qualified in different specializations. In the enhancement of research forum, the department has established a "Centre for Sustainable Building Research" and initiated the LEED Tab	 Council (USGBC) and Centre of Excellence on "Remote Sensing & GIS" in association with SAKURA for curving out research, teaching and	consultation activities in various disciplines of Civil	
Certificate Course	u	Analysis of structural members	using Staad Pro vBi	12.07.2018 to 23.07.2018		DKGANIZED BY	DEPARTMENT OF CIVILENGINEERING	KNOWLEDGE INSTITUTE OF TECHNOLOGY	Accredited by NAAC KIOT campus, Kakapalayam (PO), Salem-637 504, Tamil Nadu, India.	Ym	Anowledge institute of Technology Anowledge institute of Technology Astabelavam (PO) Salem - 637 504	

22/06/2018, Salem

S.Pradeep Kumar, Assistant Professor, Department of civil engineering, Knowledge Institute of Technology, Salem- 637 504.

To

The Principal, Knowledge Institute of Technology, Salem- 637504.

Through,

Head of the Department/CIVIL

Respected Sir,

Subject: Requisition for Conducting Certification Course-Reg.

We have planned to conduct certification course on "Analysis of Structural members using Staad pro V8i". It will be helpful for our IV Year Civil Engineering students through which they can enrich their knowledge in Structural analysis and design for various buildings. In this regards we request you to endowment as permission to conduct the course. This course is not in our curriculum and will be helpful for the skill development and placement of our students.

The course details are as follows:

Description	Particulars				
Year	IV (Civil Engineering Students)				
Name of the Course	Analysis of Structural members using Staad pro V8i				
Duration	12.07.2018 to 23.07.2018 (10 days)				
Company/ Resource Person	Er. P.M.Muthukrishnan, Course Instructor, Cadd square, Salem				
Total Number of Students Registered	40 Nos.				

Thank you sir

Yours truly,

sple

(S.Pradeep Kumar)

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PRINCIPAL, Anowindge Institute of Technology skatislavam (PO) Salem - 537 504

PRINCIPAL

S.No	Register No	Name of the student	Name of the certificate courses	Start Date	End Date	Duration Hrs
-	611215103043	SARAVANAN R				(cherry AV)
	611215103045	SHAHINA THASLIM M				
	611215103046	SHRINATH A				
	611215103050	TAMILSELVAN M R				
-	611215103052	UDHAYAPRIYA A				
	611215103053	VIGNESH P				
	611215103301	ARUN PRASATH S				
	611215103302	ASWIN P	Analysis of Structural members			1
	611215103303	GIRINATH S	using Staad pro v8i	12-07-2018	23-07-2018	40
-	611215103306	LOGARAJ G	-			
	611215103307	NAGABALAJI B				
	611215103308	PERUMALK				1
-	611215103309	RAVIVARMAM				
	611215103310	REVGIRI D				
	611215103313	SOWMYA M				
-	611215103701	YUGAPPRIYADHARSHINI R				

g. paraly kun

COURSE CO-ORDINATOR

PR NCIPAL. .nowledge Institute of Technology * Akapelavam (PO) Salem - 637 504 G. Smind. 2

		KNOWLEDGE INSTITUTE OF Department of Civil Eng Course Plan	CARCENCER FOR FOR FOR STATES		
Name of	the Course	Analysis of structural members using Staad Pro vi8	Semester	07	
Level-1 Module		05	Number of Hours	40 hours	
		EXECUTION SCHED	ULE		
Module No.	Function interformer EE TEE T		No. of	Hours	
1		on, STAAD plane (member STAAD space (joint coordinate	16		
2	2 Translational repeat & circular repeat, copy, move, Beams & Structure wizard, Selection methods		16		
3	Analysis of Animation	f beams, columns, truss, plates-	16		
4	Concrete de Steel design	esign ,Design of beams & columns	16		
5		ooting, column and slab, Printing ort setup, export @ import options	16		

PR NCIPAL, Anowledge Institute of Technology *ekapelavam (PO) Salem - 637 504

Name of t Duration:	he Course Module: 1. Introduct	etailed Execu ion to Staad j			
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

Name of t Duration:	he Course Module: 2. Selection	of members			
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

	1	Detailed Execu	tion Plan		
Name of the Name o	he Course Module: 3. Analysi: 08 hours	5			
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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Name of t Duration:	he Course Module: 4. Design	Detailed Execu of Concrete a			
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan
4	Concrete design ,Design of beams & columns Steel design	4	4	·	(Day wise) Day 7 And Day 8

Name of t Duration:	he Course Module: 5. Printing	Detailed Execu of Data	ition Plan		
Module No.	Name of the Module	Teaching Hours	Practical Hours	Self-Study Hours	Course Plan
5	Design of footing, column and slab, Printing option, report setup, export @ import options	4	4	-	(Day wise) Day 9 and Day 10

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KNOWLEDGE INSTITUTE OF TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING Course on Analysis of Structural members using Staad pro v8i ASSESSMENT REPORT

S.No	Register No	Name of the student	Marks
1	611215103001	ABDULRAHMAN N	20
2	611215103003	AKILA R	19
3	611215103006	ARAVIND KUMAR T	18
4	611215103008	ARULMURUGAN L	20
5	611215103010	DANUSHPRABHU S	20
6	611215103012	DHAARIENIE M R	19
7	611215103013	DHANUSH KUMAR S	19
8	611215103015	DIVYAA M	20
9	611215103016	GANESH SHANKAR R	19
10	611215103017	GAYATHRI S	18
11	611215103020	HEMALATHA P	20
12	611215103021	HEMAVARTHINI M V	20
13	611215103024	KARTHIKA R	19
14	611215103025	KAVIYA M P	19
15	611215103026	KEERTHANA M	20
16	611215103027	MAHILESH A	19
17	611215103030	MOHANKUMAR A	18
18	611215103032	NANDHINI J K	20
19	611215103034	NEYA S	20
20	611215103035	OBULIEVIGNESH S	19
21	611215103036	OBULIVIGNESH V	19
22	611215103038	RAMAKRISHNAN S	20
23	611215103040	SAKTHIVEL S	19
24	611215103042	SANTHOSH KUMAR V	18
25	611215103043	SARAVANAN R	20
26	611215103045	SHAHINA THASLIM M	20
27	611215103046	SHRINATH A	20
28	611215103050	TAMILSELVAN M R	19
29	611215103052	UDHAYAPRIYA A	19
30	611215103053	VIGNESH P	20
31	611215103301	ARUN PRASATH S	19
32	611215103302	ASWIN P	18

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S.No	Register No	Name of the student	Marks
33	611215103303	GIRINATH S	20
34	611215103306	LOGARAJ G	20
35	611215103307	NAGABALAJI B	20
36	611215103308	PERUMAL K	19
37	611215103309	RAVIVARMA M	19
38	611215103310	REVGIRI D	20
39	611215103313	SOWMYA M	19
40	611215103701	YUGAPPRIYADHARSHINI R	18
40	611215103701	YUGAPPRIYADHARSHINI K	1

COURSE CO-ORDINATOR

G. Sings Hodjewin

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



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S. Kawi priya

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
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 - 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
 - O 1S 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
- 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
- O) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10

Inowledge Institute of Technology Inowledge Institute of Technology Inkapelavam (PO) Salem - 637 502

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
- O Column Positioning
- D) Column Dimension and width

10. 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

The ______ group allows you to change the display of load arrows.

- 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
- 07
- 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.

D true

B) false

PR NCIPACE Inowledge Institute of Technology Inkapelayam (PO): Selem - 637 504 17. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X,Y,Z?

O Circular Repeat

B) Mirror

C) Translational Repeat

D) Insert Nodes

18. Indian Standard Criteria for Earthquake Resistant design of Structure is?

A 1s 1893-2003

B) 1s 1893-2002

C) 1s 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

04

D) 3

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R.Saravanan



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Assessment for course on Analysis of structural members using Staad pro v8i

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 - D) All of the Above
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 - 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

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

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20 23/11

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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- D) Column Dimension and width

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- C) 7
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- C) 30mm
- D) 20mm

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- (A) true
- B) false

PR NLIPAL.

Ingwledge Institute of Technology Inkapelavam (PO) Salem - 637 504 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

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

(2) 1s 1892-2005

D) Is 1892-2003

19. In how many ways can we assign support to Nodes?

A) 1

B) 4

0)2

D) 5

20. Pinned Support will have _____ reactions.Marks I

A)2

B) 6

C) 4

D) 3

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Abdul Rohman

Assessment for course on Analysis of structural members using Staad pro v8i

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 - A) UK BS 5400
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 - 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
 - (2) 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

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
- Ø) Bias is 1 Divi is 10

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23/1/18

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. 10. How many types of meshing we have in STAAD,Pro?

- A) 1
- B) 2
- C) 5
- DY4
- 11. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?
 - ATI
 - B) 3
 - C) 6
 - D) 5

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?

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- D) 1.2.3

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- B) 8
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- D) 6

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D) 20mm

16. The minimum and maximum limits of number of divisions of each side are 1 to 100.

- A) true
- By false

Anowledge Institute of Technology Akapelayam (PO) Salem - 637 50.4 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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C) Translational Repeat

D) Insert Nodes

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Ø 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

0,4

D) 3

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T. ARAVINO KUMAN



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 - D) None of the Above
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 - A) true

B) false

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- Q) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10

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20

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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10. 10. How many types of meshing we have in STAAD, Pro?

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A)_25mm

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C) 30mm

D) 20mm

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PRINCIPAL, Anowledge institute of Technolics, *skapelavam (PO) Salem - 5.

An5

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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Co Translational Repeat

D) Insert Nodes

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19. In how many ways can we assign support to Nodes?

- AT 1
- B) 4
- C) 2
- D) 5

20. Pinned Support will have _____ reactions.Marks 1

A) 2

- B) 6
- es4
- D) 3

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S. Neys

Assessment for course on Analysis of structural members using Staad pro v8i

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- D) Bias is 1 Divi is 10

PR NCIPAL, Anowledge Institute of Technology (skapelayam (*0) Salem - 637 504 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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D) Column Dimension and width

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C) +,0,2

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A7 5

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C) 7

D) 6

15. In concrete design parameter, by default, value for clt (Clear Cover top) is:

A) 25mm

B) J2mm

Ø 30mm

D) 20mm

16. The minimum and maximum limits of number of divisions of each side are 1 to 100.

A) true

PRINCIPAL, Anowledge institute of Technology fekapelayam (PO) Salem - 637 507 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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B) Is 1893-2002

C) 1s 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

DJ3

PRINCIPAL, Anowledge institute of Technology Tekapelayam (PO) Selem - 637 5/4

がたので inowiedge institute of Technology kapelavam (PO) Salem - 637 50 has oto completed the course on Analysis of Structural Members using during the period from $|2/\tau/18$ to 23/1/18DR NUIPAL Approved by AICTE, Affiliated to Anna University, Accredited by NAAC PRINCIPAL KNOWLEDGE INSTITUTE OF TECHNOLOGY J-V-year student in academic year 2018 - 19 DEPARTMENT OF CIVIL ENGINEERING うやく This is to certify that Mr/Ms . M. Keethann 5 TOTAL DOCTOR DOCTOR DOCTOR DOCTOR 22 at Knowledge Institute of Technology, Salem. **REMENCA** HOD/CIVIL C. Luin Beyond Churndel 5522 5 Strad Bu Vi INSTRUCTOR P.M. W. H.J. COURSE 2

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inowledge institute of Technology *Kabslavam (#0) Salem - 637 56 has during the period from 12/7/18 to 23/07/18 to completed the course on Phalysis of Structural Members rising PRINCIPAL. Approved by AICTE, Affiliated to Anna University, Accredited by NAAC PRINCIPAL KNOWLEDGE INSTITUTE OF TECHNOLOGY And a year student in academic year 2018 - 19 2 DEPARTMENT OF CIVIL ENGINEERING S. Ramaknishmu シンシン at Knowledge Institute of Technology, Salem. THE REPORT OF ALL PROPERTY OF HOD/CIVIL Beyond Kunneleder C. Ling いいくう 5 This is to certify that Mr/Ms_ Strad Bus Vai P.M. NTutted INSTRUCTOR COURSE N 52

nowledge institute of Technology kabslavam (PO) Salem - 637 5 has during the period from 12/7/18 to 23/07/18 completed the course on Phabyeis of Structural Members using PR NUIPAL ξ Approved by AICTE, Affiliated to Anna University, Accredited by NAAC PRINCIPAL year student in academic year 2018 - 2019 KNOWLEDGE INSTITUTE OF TECHNOLOGY J-r M. Shahina Thaslim DEPARTMENT OF CIVIL ENGINEERING 2265 EXAMINICAN at Knowledge Institute of Technology, Salem. Beyond Knowledge HOD/CIVIL C. Ling 22 This is to certify that Mr/Ms_____ Strad Bus Vai INSTRUCTOR P.M. NT. H.J. COURSE 121

nowledge institute of Technology kabatavam (PO) Salem - 637 5u has during the period from 12/7/18 to 23/07/18 completed the course on Shabyeis of Structural Menhers using PH NUIPAL. Approved by AICTE, Affiliated to Anna University, Accredited by NAAC PRINCIPAL のでくうんでくうんでくうろ KNOWLEDGE INSTITUTE OF TECHNOLOGY 2018-19 1-r DEPARTMENT OF CIVIL ENGINEERING This is to certify that Mr/Ms V. Darthoch Kumar year student in academic year at Knowledge Institute of Technology, Salem. A RUMIENCAT Beyond Knowledge HOD/CIVIL C.Luig Strad Bu Vai INSTRUCTOR P.M. Kritter COURSE N Colo.



FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name V Santhosh Kriman

Year/Sem/Sec 07

			-1-1			
S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved	
1	Course Content Delivery by the trainer				1	
2	Course Material				1	
3	Clarity of the content delivery				~	
4	Hands on training experience				~	
5	Overall experience about the Course				1	

Suggestions if any:

course material is Good

Student-Sign:

PR NCIPAL, Anowledge institute of Technology ***#delavam (#0) Selem - 637 504



FEEDBACK FORM COURSE on Analysis of Structural members using Staad pro v8i Name obulievigneshe. S Year/Sem/Sec. NOT Good Excellent Moderate Need to be S.No Feedback Questions improved Course Content Delivery by the 1 trainer 2 Course Material Clarity of the content delivery 3 Hands on training experience 4 5 Overall experience about the Course 1 Suggestions if any: Handes on tonaining escretance is very 900d. Student Sign:

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	FEEDBAC COURSE on Analysis of Structur		's using Staa	nd pro v8i	
lame:	S. Neya		Yea	r/Sem/Sec:	
S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer			\checkmark	1
2	Course Material		\checkmark		
3	Clarity of the content delivery		\checkmark		
4	Hands on training experience	\checkmark			
5	Overall experience about the Course			\checkmark	_
Sugge	stions if any:				
COUN	e waterial good p very informative				
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Student Sign:

PH NUIPAL, Angwledge institute of Technology Fekapatavam (PO) Salem - 637 504



FEEDBACK FORM

COURSE on Analysis of Structural members using Staad pro v8i

Name & Dhanush Kuman

Year/Sem/Sec:

S.No	Feedback Questions	Good	Excellent	Moderate	Need to be improved
1	Course Content Delivery by the trainer	\checkmark			
2	Course Material		V		
3	Clarity of the content delivery	\checkmark			***
4	Hands on training experience			V .	
5	Overall experience about the Course		~		

Suggestions if any:

overall Groved. experience about the counter is goed.

Student Sign:

Anowledge Institute of Technelogy rakapalayam (PO) Salam - 637 504



FEEDBACK FORM

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	~			
Sugge	estions if any:			1	
	content delivery	oun d	d clari	ty of	
		Student Sign:			

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