

Date: 5/5/18

The meeting was conducted in the department of CIVIL ENGG..
The agenda of the meeting was to discuss about the certificate course named
as AUTOCAD PROFESSIONAL and student active participation. Resolved to
conduct the following course AUTOCAD PROFESSIONAL.

[illegible]

SIGNATURE OF THE HEAD OF THE DEPARTMENT

PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520 008



Title of the certification course: Autocad Professional

Academic Year:2017-'18

Course Co-ordinator: M. Alekhya

Year/Sem: II/II, IV/II

AUTOCAD PROFESSIONAL SYLLABUS(APSSDC)

1. DRAW OBJECTS PROFESSIONAL

Draw lines and rectangles
Draw Circles, Arcs, and Polygons
DRAW WITH ACCURACY
Use object-snap tracking
Use Coordinate Systems
Make isometric drawings

2. MODIFY OBJECTS

Move and copy objects
Rotate and scale objects
Create and use arrays
Trim and extend objects
Offset and mirror objects
Use grip editing
Fillet and chamfer objects


3. USE ADDITIONAL DRAWING TECHNIQUES

Draw and edit polylines
Blend between objects with splines
Apply hatches and gradients
ORGANIZE OBJECTS
Change object properties
Alter layer assignments for objects
Control layer visibility
Assign properties by object or layer
Manage layer properties

4. REUSE EXISTING CONTENT

Work with blocks
Manage block attributes
Reference external drawings and images


5. ANNOTATE DRAWINGS


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Add and modify text
Use dimensions
Add and modify multileaders
Create and assign annotative styles
Use tables

6. LAYOUTS AND PRINTING

Create layouts
Use viewports
Set printing and plotting options


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VIJAYAWADA-520008.

Department: CIVIL

Academic Year: 2017-2018

Name of the Program: AUTO CAD PROFESSIONAL APSSDC

List of Students Enrolled / Completed: 05


<u>SNO</u>	<u>Name of the Student</u>
1	ACCHI AMAR PRASAD RAO
2	MARIDU BHARGAVI
3	VUDDANTI ARUN VAMSI
4	CHRISTINA PENUMAKA
5	BHEMISETTY PRAVALLIKA

Assessment Procedures

- Online Exam through Certiport

Report Of Certification Course

An extensive certification course on “**AUTO CAD PROFESSIONAL APSSDC**” was conducted for 2nd & 4th year CIVIL students from **28-05-2018 To 15-06-2018**. The program aimed at imparting the basics of modeling in 2D through AUTO CAD to the students to visualize the components of the building. The certified instructor from the **APSSDC** trained the students.


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VIJAYAWADA - 520 008

FACULTY NAME: M. ALAKHYA

BRANCH: 12

ACADEMIC YEAR: 2017-18

SUBJECT: AUTO CAD PART B

HOUR TAKEN			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MONTH & DATE			24/5	28/5	29/5	30/5	31/5	1/6	2/6	3/6	4/6	5/6	6/6	7/6	8/6	9/6	10/6
SIGNATURE			9	8	8	8	8	8	8	8	8	8	8	8	8	8	8
S.NO.	REG. NO.	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	14HPIA0121	VUDDANTI ARUN VAMSI	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14
2	16HPIA0110	B. PRAVALLIKA	1	2	3	4	5	6	7	8	9	10	11	12	13	A	14
3	16HPIA0116	A. A. AMAR PRASAD RAO	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14
4	16HPIA0103	M. BHARGAVI	1	2	3	4	A	5	6	A	7	8	9	10	11	12	13
5	16HPIA0109	P. CHRISTINA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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M. Alakhya

HOD SIGNATURE

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VIJAYAWADA-520008.

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16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
15	16	17	18	19	A	20	21	22	23	A	24	25	26	27
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
16	17	18	19	20	21	22	23	24	25	26	27	28	29	A

M. Alekhya HOD SIGNATURE


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ANDHRA LOYOLA INSTITUTE OF
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VIJAYAWADA-520008.

AUTODESK CERTIFICATION



In recognition of a commitment to professional excellence

ACCHI AMAR PRASAD RAO

has successfully completed the Autodesk Certified requirements of:

Autodesk Certified Professional: AutoCAD®



A handwritten signature in black ink, appearing to read 'Andrew Anagnost'.

ANDREW ANAGNOST
PRESIDENT, CHIEF EXECUTIVE OFFICER

June 11, 2018

DATE

AUTODESK CERTIFICATION



In recognition of a commitment to professional excellence

MARIDU BHARGAVI

has successfully completed the Autodesk Certified requirements of:

Autodesk Certified Professional: AutoCAD®



A handwritten signature in black ink, appearing to read 'Andrew Anagnost'.

ANDREW ANAGNOST
PRESIDENT, CHIEF EXECUTIVE OFFICER

June 14, 2018

DATE

**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATION DETAILS**

MINUTES OF MEETING

[illegible]

PRINCIPAL
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VIJAYAWADA-520008

Title of the certification course: Rivet Architecture Professional Academic Year:2017-'18

Course Co-ordinator: S. Gowtham

Year/Sem: II/II, IV/II

SYLLABUS

REVIT ARCHITECTURE PROFESSIONAL SYLLABUS(APSSDC)

COLLABORATION PROFESSIONAL

Copy and monitor elements in a linked file
Use work sharing
Import DWG and image files
Use Work sharing Visualization
Assess review warnings in Revit

DOCUMENTATION

Create and modify filled regions
Place detail components and repeating details
Tag elements (doors, windows, etc.) by category
Use dimension strings
Set the colors used in a color scheme legend
Work with phases
Work with phases

ELEMENTS AND FAMILIES

Change elements within a curtain wall (grids, panels, mullions)
Create compound walls
Create a stacked wall
Differentiate system and component families
Work with family Parameters
Create a new family type
Use Family creation procedures

MODELING


Create a building pad
Define floors for a mass
Create a stair with a landing
Create elements such as a floors, ceilings, or roofs


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Generate a toposurface
Model railings
Edit a model element's material (door, window, furniture)
Change a generic floor/ceiling/roof to a specific type
Attach walls to a roof or ceiling
Edit room-aware families

VIEWS

Define element properties in a schedule
Control visibility
Use levels
Create a duplicate view for a plan, section, elevation, drafting view, etc.
Create and manage legends
Manage view position on sheets
Organize and sort items in a schedule


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VIJAYAWADA-520008.**

Department: CIVIL

Academic Year: 2017-2018

Name of the Program: REVIT ARCHITECTURE PROFESSIONAL APSSDC

List of Students Enrolled / Completed: 14

<u>SNO</u>	<u>Name of the Student</u>
1	AJAY KUMAR M
2	VUDDANTI ARUN VAMSI
3	ANNAPURNA B
4	REENA B
5	BHAVYASREE M
6	ANNAPURNA CH
7	SRUJANA CH
8	VADDI DHANASHRI B G TILAK
9	KEERTHI G
10	HARINI S
11	VENKATA KRISHNAMA NAIDU P
12	UDDANTI SAI KOTESWARA RAO
13	GOPINATH V
14	SRAVANI REDDY V

Assessment Procedures

- Online Exam through Certiport

Report Of Certification Course

An extensive certification course on “**REVIT ARCHITECTURE PROFESSIONAL APSSDC**” was conducted for 2nd & 4th year CIVIL students from **24-04-2018 To 23-05-2018**. The program aimed at imparting the basics of modeling in 3D through Revit Architecture to the students to visualize the components of the building. The certified instructor from the APSSDC trained the students.


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VIJAYAWADA-520017

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA - 520 008

FACULTY NAME: S. GOWTHAM
ACADEMIC YEAR: 2017-'18

BRANCH: C.E
SUBJECT: REVIT PROF (APSSO)

HOUR TAKEN			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MONTH & DATE			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SIGNATURE			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S.NO.	REG. NO.	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	14HP1A0109	CHALLA ANNAPURNA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	14HP1A0104	ELETY BAVITHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	14HP1A0105	BHAVYA SREE VEGESNA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	14HP1A0106	V. DHANASRI B. G. TILAK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	14HP1A0109	S. HARINI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6	14HP1A0110	G. KEERTHI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	14HP1A0112	B. REENA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	14HP1A0115	V. SRAVANI REDDY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9	14HP1A0116	C. SRUJANA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10	14HP1A0118	M. AJAY KUMAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11	14HP1A0121	V. ARUN VAMSI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	14HP1A0138	U. SAI KOTESWARARAO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
13	14HP1A0108	V. GOPINADH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14	14HP1A0116	P. KRISHNAM NAIDU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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S. Gowtham

HOD SIGNATURE

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VIJAYAWADA-520008.

AUTODESK CERTIFICATION



In recognition of a commitment to professional excellence

VUDDANTI ARUN VAMSI

has successfully completed the Autodesk Certified requirements of:

Autodesk Certified Professional: Revit® Architecture



A handwritten signature in black ink, appearing to read 'Andrew Anagnost'.

ANDREW ANAGNOST
PRESIDENT, CHIEF EXECUTIVE OFFICER

May 18, 2018

DATE

AUTODESK CERTIFICATION



In recognition of a commitment to professional excellence

AJAY KUMAR M

has successfully completed the Autodesk Certified requirements of:

Autodesk Certified Professional: Revit® Architecture



A handwritten signature in black ink, likely belonging to Andrew Anagnost.

ANDREW ANAGNOST
PRESIDENT, CHIEF EXECUTIVE OFFICER

May 22, 2018








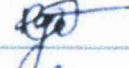

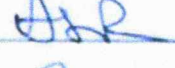





DATE

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATION DETAILS

Dt. 11-12-2017

MINUTES OF MEETING

The meeting was conducted in the department of CSE. The agenda of the meeting was to discuss about the Certificate Course named as Data Base Programming with PL/SQL and student active participation. Resolved to conduct the following course Data Base Programming with PL/SQL

SNO	Name of the Faculty	Designation	Signature
1	K. Venkateswara Rao	Asst. prof	
2	K. Sireesha	Asst. Prof	
3	T. Ushakore Rao	Asst. prof	
4	CH. NAGAMANI	Asst. prof	
5	B. V. Srikanth Babu	Asst. Prof	
6	RAZEENA BEGUM	Asst. Prof	
7	K. Sandhya	Asst. prof	
8	K. Raju	Asst. prof	
9	K. Nagaswara Rao	Asst. prof	
10	DR. A. Srinivasa Rao	Professor	
11	M. Mohana Deepthi	Asst. prof	
12	R. Padmaja	Asst. Prof	
13	A. Kameswara Rao	Asst. prof	
14	L. V. Ramesh	Asst. Prof	
15	K. S. R. Krishna	Asst. prof	


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VIJAYAWADA-520008.


Signature of HOD

SYLLABUS

UNIT -1: Fundamentals, Defining Variables and Data types, Using SQL in PL/SQL.

UNIT-2: Program Structures to Control Execution flow, Using Composite Data Types, Using Cursors and parameters.

UNIT-3: Exception Handling, Using and Managing Procedures, Functions

UNIT-4: Using and Managing Packages, Getting out the best out of Packages, Improving PL/SQL Performance

UNIT-5: Using and Managing Triggers, Recognizing and managing Dependencies, Using the PL/SQL Compiler.


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VIJAYAWADA-520008

Name of the Program: Data Base Programming With Pl/Sql**List of Students Enrolled / Completed: 46**

<u>SNO</u>	<u>Name of the Student</u>
1	Bethu sreeja
2	Shahina
3	Ammisetti suma
4	Bezawada hemalatha
5	Dananna phanindra kumar
6	Gade venu gopal reddy
7	Ganta vardhanreddy
8	Gopisetti sneha sai
9	Gorige madhu manikanta sri sai
10	Mounica goriparthi
11	Uddhagiri kanakamahalakshmi
12	Kavuri sowmya
13	Kallam prudhvi ganesh reddy
14	Latchipatruni sankararao
15	Kavali mallika
16	Mopidevi lakshmi bhargavi
17	Badam mounika
18	Manda durga sravya
19	Nalla bothula lakshmi anupama
20	Nallanukala naga sirisha
21	Ernapu nitya samanvitha
22	Perumalla Durga devi
23	Bhanu priya
24	Qatoon shehnaz
25	Sontineni Gopiraju
26	V V rama chandra sekhar naidu
27	Sowjanya lakshmi
28	Tummala harika
29	Tupakula akhil
30	Allu venkata vasundhara reddy
31	Vasabhaktula anusha
32	Murali yadav
33	Bathinapatla neelima

34	Bejjanki ajay
35	Guriginjala prudhvi
36	Kagitha udayalakshmikumari
37	Krrn sainath
38	Nama yamini
39	Nandeti daniel
40	Pamarthi prathyusha
41	Ponnapati divya
42	Janardan reddy
43	Sodem venkataramireddy
44	Hemasri
45	Yeleganadula anil
46	yeruva rashmi

Assessment Procedures

➤ Exam

Report Of Certification Course

An extensive certification course on 'Data Base Programming With Pl/Sql' was conducted for 3rd year and 4th year CSE students from 19-12-2017 To 17-2-2018. The program aimed at imparting the basics of Pl/Sql using Oracle Database to the students and also some of the advanced concepts which are not there in the curriculum. The certified instructor from the **Oracle Academy** trained the students.


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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA - 520 008

FACULTY NAME: K. Nageswara Rao
ACADEMIC YEAR: 2017-18

BRANCH: CSE
SUBJECT: Database Programming with PL/SQL

HOUR TAKEN																																		
MONTH & DATE																																		
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S.NO.	REG. NO.	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	14HAP0501	Bethu Sreeja	1	2	3	A	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	14HAP0502	Shahina	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
3	14HAP0503	Amruteshi Suma	1	2	3	A	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	14HAP0504	Bezawada Homalatha	1	2	3	4	A	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	14HAP0505	Daravanna Pharamba Kumar	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6	14HAP0506	Gade Venu Gopal Reddy	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
7	14HAP0507	Ganta Vardhan Reddy	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
8	14HAP0508	Gopiseti Sneha Sai	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
9	14HAP0509	Indige Madhu Morikanta Sn Sai	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
10	14HAP0510	Manuica Goripathi	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
11	14HAP0511	Uddhagiri Karak Mahalakshmi	A	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	14HAP0512	Kavuri Sowmya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
13	14HAP0513	Kallam Pruthi Ganesh Reddy	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14	14HAP0514	Latchipatuni Santarabao	A	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15	14HAP0515	Kavali Mallika	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
16	14HAP0516	Kapidevi Lakshmi Bhargavi	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
17	14HAP0517	Madam Mounika	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
18	14HAP0518	Manda Durga Sowmya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
19	14HAP0519	Nallabothula Lakshmi Anupama	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
20	14HAP0520	Nallabothula Naga Srinitha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
21	14HAP0521	Gerudu Nitya Samaravitha	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	14HAP0522	Revuralla Durga Devi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
23	14HAP0523	Chandu Priya	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
24	14HAP0524	Chandu Shehnaz	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
25	14HAP0525	Chintamani Gopabandhu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
26	14HAP0526	V V Rama Chandra Sekhar Nithu	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
27	14HAP0527	Sowjanya Lakshmi	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
28	14HAP0528	Tummala Harika	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
29	14HAP0529	Tumakula Akhil	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
30	14HAP0530	Alu Venkata Vasundhara Reddy	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
31	14HAP0531	Vasanthakula Anusha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
32	14HAP0532	Murali Yadav	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
33	14HAP0533	Rathinapotha Neelima	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
34	14HAP0534	Rejjaniki Ajay	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
35	14HAP0535	Suriginjala Prudvi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
36	14HAP0536	Kogitha Vidyalakshmi Kumari	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
37	14HAP0537	YEPN Sairath	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
38	14HAP0538	Narra Varini	1	2	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

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AWARD *of* COURSE COMPLETION

Database Programming with PL/SQL

PRESENTED TO

Bethu Sreeja

FOR SATISFACTORY COMPLETION OF ALL
COURSEWORK AND TRAINING

2/17/2018

A handwritten signature in blue ink, appearing to read "L. Aggarwal", written over a horizontal line.

Oracle Academy Instructor



AWARD *of* COURSE COMPLETION

Database Programming with PL/SQL

PRESENTED TO

SHAHINA

FOR SATISFACTORY COMPLETION OF ALL
COURSEWORK AND TRAINING

2/17/2018

A handwritten signature in blue ink, appearing to read "L. Agnew", written over a horizontal line.





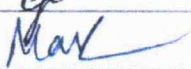






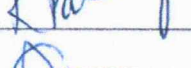



Oracle Academy Instructor


ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATION DETAILS

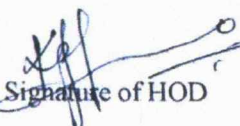
MINUTES OF MEETING

Dt: 01-02-2018

The meeting was conducted in the department of CSE. The agenda of the meeting was to discuss about the Certificate Course named as Cisco Networking Academy® Introduction to Cybersecurity and student active participation. Resolved to conduct the following course Cisco Networking Academy® Introduction to Cybersecurity.

SNO	Name of the Faculty	Designation	Signature
1	T. UISHORE DAW	Asst. Prof	
2	B. V. Satish Babu	Asst. Prof	
3	K. Sireesha	Asst. Prof	
4	K. Raju	Asst. Prof	
5	CH. NAGAMANI	Asst. Prof	
6	RAZEENA BEGUM	Asst. Prof	
7	K. Sandhya	Asst. Prof	
8	K. Nagaraj Kumar	Asst. Prof	
9	K. Venkateswara Rao	Asst. Prof	
10	DR. A. Srinivasarao	Professor	
11	M. Mohana Deepthi	Asst. Prof	
12	R. Padmaja	Asst. Prof	
13	A. Kameswari Rao	Asst. Prof	
14	L. V. Ramesh	Asst. Prof	
15	KSR Krishna	Asst. Prof	


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VIJAYAWADA-520008.


 Signature of HOD

SYLLABUS

Cisco Certified Network Associate (200-125)

Exam Description: The Cisco Certified Network Associate (CCNA) Routing and Switching composite exam (200-125) is a 90-minute, 50–60 question assessment that is associated with the CCNA Routing and switching certification. This exam tests a candidate's knowledge and skills related to network fundamentals, LAN switching technologies, IPv4 and IPv6 routing technologies, WAN technologies, infrastructure services, infrastructure security, and infrastructure management.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

- 1.0 Network Fundamentals**
- 1.1 Compare and contrast OSI and TCP/IP models
- 1.2 Compare and contrast TCP and UDP protocols
- 1.3 Describe the impact of infrastructure components in an enterprise network
 - 1.3.a Firewalls
 - 1.3.b Access points
 - 1.3.c Wireless controllers
- 1.4 Describe the effects of cloud resources on enterprise network architecture
 - 1.4.a Traffic path to internal and external cloud services
 - 1.4.b Virtual services
 - 1.4.c Basic virtual network infrastructure
- 1.5 Compare and contrast collapsed core and three-tier architectures
- 1.6 Compare and contrast network topologies
 - 1.6.a Star
 - 1.6.b Mesh
 - 1.6.c Hybrid
- 1.7 Select the appropriate cabling type based on implementation requirements
- 1.8 Apply troubleshooting methodologies to resolve problems
 - 1.8.a Perform and document fault isolation
 - 1.8.b Resolve or escalate
 - 1.8.c Verify and monitor resolution
- 1.9 Configure, verify, and troubleshoot IPv4 addressing and subnetting
- 1.10 Compare and contrast IPv4 address types
 - 1.10.a Unicast
 - 1.10.b Broadcast
 - 1.10.c Multicast
- 1.11 Describe the need for private IPv4 addressing
- 1.12 Identify the appropriate IPv6 addressing scheme to satisfy addressing requirements in a LAN/WAN environment

- 1.13 Configure, verify, and troubleshoot IPv6 addressing
- 1.14 Configure and verify IPv6 Stateless Address Auto Configuration
- 1.15 Compare and contrast IPv6 address types
 - 1.15.a Global unicast
 - 1.15.b Unique local
 - 1.15.c Link local
 - 1.15.d Multicast
 - 1.15.e Modified EUI 64
 - 1.15.f Autoconfiguration
 - 1.15.g Anycast
- 2.0 LAN Switching Technologies**
- 2.1 Describe and verify switching concepts
 - 2.1.a MAC learning and aging
 - 2.1.b Frame switching
 - 2.1.c Frame flooding
 - 2.1.d MAC address table
- 2.2 Interpret Ethernet frame format
- 2.3 Troubleshoot interface and cable issues (collisions, errors, duplex, speed)
- 2.4 Configure, verify, and troubleshoot VLANs (normal/extended range) spanning multiple switches
 - 2.4.a Access ports (data and voice)
 - 2.4.b Default VLAN
- 2.5 Configure, verify, and troubleshoot interswitch connectivity
 - 2.5.a Trunk ports
 - 2.5.b Add and remove VLANs on a trunk
 - 2.5.c DTP, VTP (v1&v2), and 802.1Q
 - 2.5.d Native VLAN
- 2.6 Configure, verify, and troubleshoot STP protocols
 - 2.6.a STP mode (PVST+ and RPVST+)
 - 2.6.b STP root bridge selection
- 2.7 Configure, verify and troubleshoot STP related optional features
 - 2.7.a PortFast
 - 2.7.b BPDU guard
- 2.8 Configure and verify Layer 2 protocols
 - 2.8.a Cisco Discovery Protocol
 - 2.8.b LLDP
- 2.9 Configure, verify, and troubleshoot (Layer 2/Layer 3) EtherChannel
 - 2.9.a Static
 - 2.9.b PAGP
 - 2.9.c LACP
- 2.10 Describe the benefits of switch stacking and chassis aggregation
- 3.0 Routing Technologies**
- 3.1 Describe the routing concepts
 - 3.1.a Packet handling along the path through a


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- network
- 3.1.b Forwarding decision based on route lookup
- 3.1.c Frame rewrite
- 3.2 Interpret the components of a routing table
- 3.2.a Prefix
- 3.2.b Network mask
- 3.2.c Next hop
- 3.2.d Routing protocol code
- 3.2.e Administrative distance
- 3.2.f Metric
- 3.2.g Gateway of last resort
- 3.3 Describe how a routing table is populated by different routing information sources
- 3.3.a Admin distance
- 3.4 Configure, verify, and troubleshoot inter-VLAN routing
- 3.4.a Router on a stick
- 3.4.b SVI
- 3.5 Compare and contrast static routing and dynamic routing
- 3.6 Compare and contrast distance vector and link state routing protocols
- 3.7 Compare and contrast interior and exterior routing protocols
- 3.8 Configure, verify, and troubleshoot IPv4 and IPv6 static routing
- 3.8.a Default route
- 3.8.b Network route
- 4.0 WAN Technologies**
- 5.0 Infrastructure Services**
- 6.0 Infrastructure Security**


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VIJAYAWADA-520008.

Name of the Program: Cisco Networking Academy® Introduction to Cyber security

List of Students Enrolled / Completed: 100

<u>SNO</u>	<u>Name of the Student</u>
1	Katari bhavitha
2	Ajay meesala
3	Rakesh chadalavada
4	Battula asha
5	Yammani Durga venkata sai harika
6	Padamata gayathridevi
7	Jonnalagadda jyothirmai
8	Kurra Jyotsna
9	Tunuguntala jyotsna venkatamai
10	Kusuma mulupuri
11	Lakshmi lavanya areti
12	Yalavarthi lalithya
13	Naraharisetti maneesha
14	Shaik mubeena
15	Esukapalli naga ramya sree
16	Namgiri nandini annapurna
17	Noorbashashaik hamidabi
18	Jampana prasanthi
19	Akiri priyanka
20	Tatikonda Ramani sravanthi
21	Valluru ramya
22	Tati sai geethika
23	Kalisetti satya devi
24	Srikala bandaru
25	Tadepalli srinija
26	Boddu sumani
27	Vishwanadhuni swathi
28	Marripudi swethanjali
29	Mayakuntla velangini reshmi chandrika
30	Panchumarthi vennela sri
31	Siramdasu durga prasad
32	Ganesh kumar chappa
33	Harsha vardhan modhugumudi


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34	Naveen vutukuri
35	Shaik nawaz shareef
36	Bethu pavan sai
37	Kastala sai sri harsha
38	Vamsi Krishna gutta
39	Manam venkata ram sai kumar reddy
40	Vigneshwar katru
41	kagita vinayvarma
42	Vivek bondala
43	Abhigna pamarthi
44	Barigeda bharathi
45	Kanala divya rani
46	Boppa jamina
47	Patchipala jyothi sai rachana
48	Gurajapu kusumakumari
49	lakshmi kavya jeetham
50	Kasara bada lavanya
51	Veerla lohitha
52	maddali madhuri
53	Vemula mahalakshmi
54	Bollavarapu manasa
55	Boddedi mounika padma durga
56	purna krupa mrinali gunturi
57	Yeluri naga lakshmi mahitha vighneswari
58	Tejavath nagamani
59	Kanuparthi pallavi
60	Akula poojitha
61	Vedala prathyusha
62	Jonnala priyanka
63	Rachana meruga
64	Shaik salma
65	Thati santhi
66	Nilikil sowmya
67	Chintalacheruvu spandana
68	Kudaravalli sree lakshmi
69	Tirumalasetti susmitha
70	Sanaka tanuja
71	Swarna Srilekha gudimella
72	Bhuthapati Venkata lakshmi
73	Anudeep nagadesi
74	prashanth anumula


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75	Shaik baji shareef
76	Bharat kumar medi
77	Murikipudi gnanabhishiek vijay manoranjan
78	Jai kumar
79	Joseph varaprasad yaddanapalli
80	Phanidapu naga vara prasad
81	Kolli ramakanth
82	Ravi chandra narisetty
83	Sai jyothi kumar kunasani
84	Sandeep kumar udarapu
85	Shamiruddine sheik
86	Annnamraju shyam satya sai pavan
87	satti siva rama krishna reddy
88	Sri harsha racheti
89	Sudhakar panga
90	Turaka vamsi teja
91	Venkata phaneendra chayulu sangoju
92	Pathakota venkata somasekhar reddy
93	Mavuri geethika lakshmi
94	Tulimelli himabindu
95	Yerramsetti jayasri
96	Chikatala lakshmi durga
97	Palagani padma
98	Adharapurapu sasi rekha
99	Gowri triveni
100	Bharateswar Bandapalli

Assessment Procedures

➤ Viva

Report Of Certification Course

An extensive certification course on 'Cisco Networking Academy® Introduction to Cyber security' was conducted for 3rd year CSE students from **05-02-18 To 12-03-2018**. The program aimed at imparting the basics of Cisco Networking Academy® Introduction to Cyber security to the students and also some of the advanced concepts which are not there in the curriculum.


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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA - 520 008

FACULTY NAME: B.V. Satish
ACADEMIC YEAR: 2017-18

BRANCH: CSE

SUBJECT: Virtualisation using
Vsphere

HOUR TAKEN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MONTH & DATE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
SIGNATURE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
S.NO	REG. NO.	STUDENT NAME																													
1	UHPA0551	K. Thirukunath																													
2	UHPA0552	Ch. Akilesh																													
3	UHPA0553	Amritha Suma																													
4	UHPA0554	M. Satya Sankha																													
5	UHPA0555	M. Michael Pavan																													
6	UHPA0556	M. Rajya Lakshmi																													
7	UHPA0557	M. Lakshmi Raghavi																													
8	UHPA0558	G. Tharunkumar																													
9	UHPA0559	Ch. Anusha																													
10	UHPA0560	G. Madhu Manikanta																													
11	UHPA0561	M.T. Sai Ragavendra																													
12	UHPA0562	Muneni Saravani																													
13	UHPA0563	M. Yamini																													
14	UHPA0564	T. Kiranmayee																													
15	UHPA0565	Y. Sai Lakshmi																													
16	UHPA0566	H. Hanisha																													
17	UHPA0567	B. Hemalatha																													
18	UHPA0568	T. Taraka Lakshmi																													
19	UHPA0569	K. Vaisa																													
20	UHPA0570	R. Mounika																													
21	UHPA0571	B. Ajay																													
22	UHPA0572	V.V.R. CH. Sekhar																													
23	UHPA0573	M. Chaitanya																													
24	UHPA0574	G. Sneha Sai																													
25	UHPA0575	A. Shanthi Priyanka																													
26	UHPA0576	K. Rambabu																													
27	UHPA0577	Y. Yoshitha																													
28	UHPA0578	SH. Muneera																													
29	UHPA0579	A. Spandana																													
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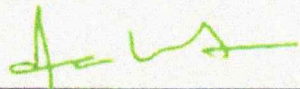
[Signature]
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VIJAYAWADA-520003.

ANDHRA LOYOLA COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPTION

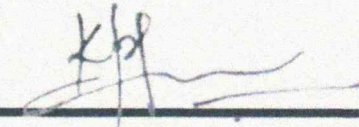
This is to certify that Mr/Ms. K.Thriloknath has attended one week course on "**Virtualization using VSphere**" conducted from 02-03-2018 to 07-03-2018



Dr.O.Mahesh
PRINCIPAL



B.V.SATISH BABU
Trainer



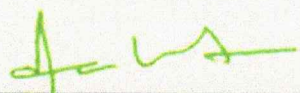
Dr.K.Prasnathi Jasmine
HEAD OF THE DEPARTMENT

ANDHRA LOYOLA COLLEGE OF ENGINEERING AND TECHNOLOGY

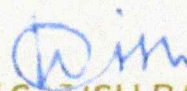
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPTION

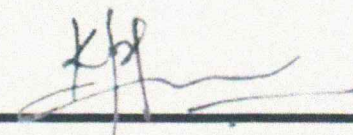
This is to certify that Mr/Ms. CH.Akilesh has attended one week course on "**Virtualization using VSphere**" conducted from 02-03-2018 to 07-03-2018



Dr.O.Mahesh
PRINCIPAL



B.V.SATISH BABU
Trainer






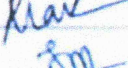











Dr.K.Prasnthi Jasmine
HEAD OF THE DEPARTMENT

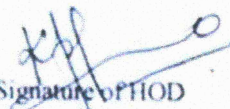
**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATION DETAILS**


Dt: 20-12-2017

MINUTES OF MEETING

The meeting was conducted in the department of CSE. The agenda of the meeting was to discuss about the Certificate Course named as Data Design and programming with SQL and student active participation. Resolved to conduct the following course Data Base Design and programming with SQL

SNO	Name of the Faculty	Designation	Signature
1	T. UISHORE BABU	Asst. Prof	
2	K. Venkateswara Rao	Asst. prof	
3	K. Raju	Asst. prof	
4	CH. NADAMANI	Asst. prof	
5	K. Sireesha	Asst. Prof	
6	G. U. Sathya Babu	Asst. Prof	
7	RAZEENA BEGUM	Asst. Prof	
8	K. Sandhya	Asst. prof	
9	K. Nagaraj Rao	Asst. prof	
10	D.R. A. Srinivas Rao	Professor	
11	M. Mohana Deepthi	Asst. prof	
12	R. Padmaja	Asst. Prof	
13	A. Kameswara Rao	Asst. prof	
14	L. V. Ramesh	Asst. Prof	
15	K. S. R. Krishna	Asst. Prof	


Signature of PHOD


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VIJAYAWADA-520002

Title of the Certification: Data Base Design and Programming with SQL

Year / Sem: IV/ II

Faculty Name: K. Nageswara Rao

Academic Year: 2017-2018

SYLLABUS

UNIT-1: Introduction, Entities and Attributes

UNIT-2: Relationship Basics, Super/Sub Types and Business Rules, Relationship Fundamentals

UNIT-3: UIDs and Normalization, Arcs, Hierarchies, and Recursive Modeling, Changes and Historical Modeling

UNIT-4: Mapping, Creating Database Projects, Presenting Database Projects

UNIT-5: SELECT and WHERE, WHERE, ORDER BY, and Intro to Functions

UNIT-6: Single Row Functions Part I, Single Row Functions Part II

UNIT-7: JOINS Part I, JOINS Part II

UNIT-8: Group Functions Part I, Group Functions Part II, Sub queries

UNIT-9: Ensuring Quality Queries Part I, DML, DDL, Constraints

UNIT-10: Views, Sequences and Synonyms, Privileges and Regular Expressions, TCL, Final Project And Exam Review, Ensuring Quality Queries Part II



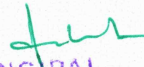
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**ANDHRA LOYOLA INSTITUTE
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008**

Name of the Program: Data Base Design and Programming with SQL**List of Students Enrolled / Completed: 32**

<u>SNO</u>	<u>NAME of the Student</u>
1	Bethu sreeja
2	Ammisetti suma
3	Bezawada hemalatha
4	Dananna phanindra kumar
5	Gade venu gopal reddy
6	Mounica goriparthi
7	Balathoti kavitha manjusha
8	Kallam prudhvi ganesh reddy
9	Latchipatruni sankararao
10	Ernapu nitya samanvitha
11	Perumalla Durga devi
12	Bhanu priya
13	Qatoon shehnaz
14	V V rama chandra sekhar naidu
15	Sowjanya lakshmi
16	Tupakula akhil
17	Vasabhaktula anusha
18	Bathinapatla neelima
19	Bejjanki ajay
20	Saikiran duddukuri
21	Guriginjala prudhvi
22	Kagitha udayalakshmikumari
23	K R R N sainath
24	Jomon mathew
25	Nama yamini
26	Pamarthi prathyusha
27	Ponnapati divya
28	Janardan reddy
29	Sodem venkataramireddy
30	Hemasri
31	Yeleganadula anil
32	yeruva rashmi


Assessment Procedures


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 VIJAYAWADA-520008

➤ Exam

Report Of Certification Course

An extensive certification course on 'Data Base Design and Programming with SQL' was conducted for 4th year CSE students from **28-12-2017 To 15-02-2018**. The program aimed at imparting the basics of Designing ER-Diagrams and Programming with SQL to the students and also some of the advanced concepts which are not there in the curriculum. The certified instructor from the **Oracle Academy** trained the students.


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VIJAYAWADA-520008.

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY VIJAYAWADA - 520 008

FACULTY NAME: K. Nagawara Rao
ACADEMIC YEAR: 2017-18

BRANCH: CEE
SUBJECT: Database Design
Programming with SQL

HOUR TAKEN															
MONTH & DATE															
SIGNATURE															
S.NO.	REG. NO.	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13
1	UHP0001	Bethu Sreeja	2	3	4	5	6	7	8	9	10	11	12	13	14
2	UHP0002	Amritha Suman	2	3	4	5	6	7	8	9	10	11	12	13	14
3	UHP0003	Seemanta Hemalatha	2	3	4	5	6	7	8	9	10	11	12	13	14
4	UHP0004	Chandana Chandana Kumar	2	3	4	5	6	7	8	9	10	11	12	13	14
5	UHP0005	Samee Khan Farid Sadiq	2	3	4	5	6	7	8	9	10	11	12	13	14
6	UHP0006	Manoj Ch. Indrapathi	2	3	4	5	6	7	8	9	10	11	12	13	14
7	UHP0007	Prasanna Karthik Mangaraj	2	3	4	5	6	7	8	9	10	11	12	13	14
8	UHP0008	Kallam Chandu Lakshmi	2	3	4	5	6	7	8	9	10	11	12	13	14
9	UHP0009	Lakshmi Sankararam	2	3	4	5	6	7	8	9	10	11	12	13	14
10	UHP0010	Chandana Naga Sankararam	2	3	4	5	6	7	8	9	10	11	12	13	14
11	UHP0011	Devipriya Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
12	UHP0012	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
13	UHP0013	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
14	UHP0014	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
15	UHP0015	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
16	UHP0016	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
17	UHP0017	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
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19	UHP0019	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
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21	UHP0021	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
22	UHP0022	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
23	UHP0023	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
24	UHP0024	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
25	UHP0025	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
26	UHP0026	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
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30	UHP0030	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
31	UHP0031	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
32	UHP0032	Prasanna Sangeetha	2	3	4	5	6	7	8	9	10	11	12	13	14
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ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

ANDHRA LOYOLA INSTITUTE

FACULTY NAME: K. Nageswara
ACADEMIC YEAR: 2017-18

HOUR TAKEN		
MONTH & DATE		
SIGNATURE		
S.NO.	REG. NO.	STUDENT NAME
1	1UHPA0501	Bethu Sneha
2	1UHPA0502	Amrutesh S.
3	1UHPA0503	Bezawada Hemu
4	1UHPA0504	Dananna Phanind
5	1UHPA0505	Grade Venu Gopal
6	1UHPA0506	Maunika Goyal
7	1UHPA0507	H. Kavithe
8	1UHPA0508	Kallam Dandhu
9	1UHPA0509	Latchipatruni Sar
10	1UHPA0510	Ennapu Nitya S
11	1UHPA0511	Perumalla Durga
12	1UHPA0512	Ramu Priya
13	1UHPA0513	Ratnam Cheba
14	1UHPA0514	VV Rama chandra S
15	1UHPA0515	Sanjanya Lak
16	1UHPA0516	Tupakula Akh
17	1UHPA0517	Varadharulu A
18	1UHPA0518	Rathinapala N
19	1UHPA0519	Basanti Ajay
20	1UHPA0520	Saikiran Duddu
21	1UHPA0521	Guvvinaiah Pri
22	1UHPA0522	Kagitha Vajpatek
23	1UHPA0523	KRR N Sai Nath
24	1UHPA0524	Tamam Mathe
25	1UHPA0525	Nama Yamini
26	1UHPA0526	Pamathi Prati
27	1UHPA0527	Pannipati Div
28	1UHPA0528	Tanavran Reddy
29	1UHPA0529	Sodam Venkates
30	1UHPA0530	Hemasri
31	1UHPA0531	Yelaganadub A
32	1UHPA0532	Yezuva Rashmi
33		
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8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
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28	28	29	30	31	32																												



AWARD *of* COURSE COMPLETION

Database Design and Programming with SQL

PRESENTED TO

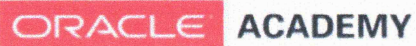
Bethu sreeja

FOR SATISFACTORY COMPLETION OF ALL
COURSEWORK AND TRAINING

2/17/2018

A handwritten signature in blue ink, appearing to read "J. H. G. Srinivas", written over a horizontal line.

Oracle Academy Instructor



AWARD *of* COURSE COMPLETION

Database Design and Programming with SQL

PRESENTED TO

Ammisetti suma

FOR SATISFACTORY COMPLETION OF ALL
COURSEWORK AND TRAINING

2/17/2018

A handwritten signature in blue ink, appearing to read "L. Agnew".





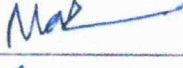



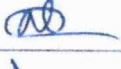
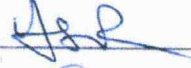





Oracle Academy Instructor

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATION DETAILS

Dt: 10-02-2018

MINUTES OF MEETING

The meeting was conducted in the department of CSE. The agenda of the meeting was to discuss about the Certificate Course named as Virtualization using Vsphere and student active participation. Resolved to conduct the following course Virtualization using Vsphere.

SNO	Name of the Faculty	Designation	Signature
1	T. UISHORE DAOU	Asst. Prof	
2	B.V. Srisu Bobu	Asst. Prof	
3	K. Sireesha	Asst. Prof	
4	K. Sandhya	Asst. Prof	
5	CH. NAGAMANI	Asst. Prof	
6	RAZEENA BEGUM	Asst. Prof	
7	K. Raju	Asst. Prof	
8	K. Venkateswara Rao	Asst. Prof	
9	K. Nagaraj Rao	Asst. Prof	
10	DR. A. Srinivas Rao	Professor	
11	M. Mohan Reddy	Asst. Prof	
12	R. Padmaja	Asst. Prof	
13	A. Kameswara Rao	Asst. Prof	
14	L.V. Ramesh	Asst. Prof	
15	K.S.R. Krishna	Asst. Prof	


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VIJAYAWADA-520008


Signature of HOD

SYLLABUS

Module	Concepts	Hours
1	Introduction to networking concepts	1
2	Lesson 1: <ul style="list-style-type: none">• What is meant by virtualization, Datacenter• Benefits of virtualization• Different types of infrastructures Lesson 2: <ul style="list-style-type: none">• Computer Systems and different types of compute systems• Compute virtualization Lesson 3: <ul style="list-style-type: none">• Storage and connectivity Lesson 4: <ul style="list-style-type: none">• Software Defined Data Center	3
3	Lesson 1: <ul style="list-style-type: none">• Define Virtualization• Compare the components and concepts of traditional architecture and virtual architecture• Need for Virtualization• Benefits of virtual architecture Lesson 2: Types of Hypervisors Lesson 3: <ul style="list-style-type: none">• What is a Virtual Machine?• Types of Virtualization• Describe VMware Compute Virtualization: vSphere products and features	3


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VIJAYAWADA-520008.

4	<u>Hypervisor: Type 2 (Practical)</u> Lesson 1: <ul style="list-style-type: none"> • Overview of VMware Workstation • Key Features of VMware Workstation • Hardware and Software requirements • Installing VMware Workstation • Creating a Virtual Machine using VMware Workstation Lesson 2: <ul style="list-style-type: none"> • Overview of VMware Player • How to install VMware Player • Enabling VT-x/AMD-v in BIOS • Creating a blank Virtual Machine • Installation of Guest-OS 64-bit • VMware Fusion • Introduction to VMware Fusion • System requirements 	3
5	<u>Hypervisor: Type 1(Practical)</u>	2


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Name of the Program: Virtualization using Vsphere**List of Students Enrolled / Completed: 29**

SNO	Name of the Student
1	K thriloknath
2	Ch akilesh
3	Ammisetti suma
4	M satya sarika
5	V michael pavan
6	M rajya lakshmi
7	M lakshmi bhavani
8	G tharun kumar
9	Ch anusha
10	G madhu manikanta
11	M j sai raghavendra
12	Myneni sravani
13	N yamini
14	T kiranmayee
15	Y sri lakshmi
16	M maneesha
17	B hemalatha
18	Y taraka lakshmi
19	K vasavya
20	B mounika
21	B ajay
22	V v r ch Sekhar
23	M chaitanya
24	G sneha sai
25	A spandana
26	A shanthi priyanka
27	K rambabu
28	Y yoshitha
29	Sh Muncera

Assessment Procedures

➤ Exam


 PRINCIPAL
 ANDHRA LOYOLA INSTITUTE OF
 ENGINEERING & TECHNOLOGY
 VIJAYAWADA-520008.

Report Of Certification Course

An extensive certification course on 'Virtualization using VSphere' was conducted for 4th year CSE students from **02-03-2018 To 08-03-2018**. The program aimed at imparting the basics of Virtualization, Hypervisors, and SDC to the students and also some of the advanced concepts which are not there in the curriculum.



PRINCIPAL

AMARA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY VIJAYAWADA - 520 008

FACULTY NAME: B.V. Satish
ACADEMIC YEAR: 2017-18

BRANCH: CSE
SUBJECT: Virtualisation using
Vsphere

HOUR TAKEN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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S.NO.	REG. NO.	STUDENT NAME																													
1	UHPA0051	K. Thirukunath																													
2	UHPA0052	Ch. Akilesh																													
3	UHPA0053	Amritha Suma																													
4	UHPA0054	M. Satya Sarika																													
5	UHPA0055	M. Mithal Pavan																													
6	UHPA0056	M. Rajya Lakshmi																													
7	UHPA0057	G. Lakshmi Bhargani																													
8	UHPA0058	G. Tharun Kumar																													
9	UHPA0059	Ch. Anusha																													
10	UHPA0060	G. Madhu Manikanta																													
11	UHPA0061	M.T. Sai Ragavendra																													
12	UHPA0062	Myneni Saravani																													
13	UHPA0063	M. Yamini																													
14	UHPA0064	T. Kiranmayee																													
15	UHPA0065	Y. Sai Lakshmi																													
16	UHPA0066	M. Maneesha																													
17	UHPA0067	B. Hemalatha																													
18	UHPA0068	T. Taraka Lakshmi																													
19	UHPA0069	K. Vasantha																													
20	UHPA0070	R. Mounika																													
21	UHPA0071	B. Ajay																													
22	UHPA0072	V.V.R. CH. Sekhar																													
23	UHPA0073	M. Chaitanya																													
24	UHPA0074	G. Sneha Sai																													
25	UHPA0075	A. Shanthi Prayanka																													
26	UHPA0076	K. Rambabu																													
27	UHPA0077	Y. Yoshitha																													
28	UHPA0078	SH. Muneesha																													
29	UHPA0079	A. Spandana																													
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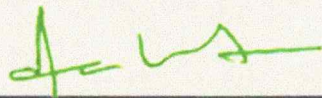
PRINCIPAL
ANDHRA LOYOLA INSTITUTE
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VIJAYAWADA-520008.

ANDHRA LOYOLA COLLEGE OF ENGINEERING AND TECHNOLOGY

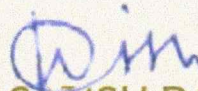
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPTION

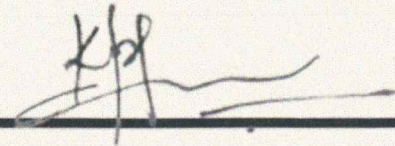
This is to certify that Mr/Ms. K.Thriloknath has attended one week course on "**Virtualization using VSphere**" conducted from
02-03-2018 to 07-03-2018



Dr.O.Mahesh
PRINCIPAL



B.V.SATISH BABU
Trainer



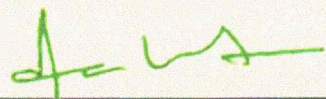
Dr.K.Prasnathi Jasmine
HEAD OF THE DEPARTMENT

ANDHRA LOYOLA COLLEGE OF ENGINEERING AND TECHNOLOGY

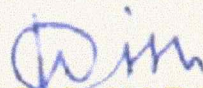
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPTION

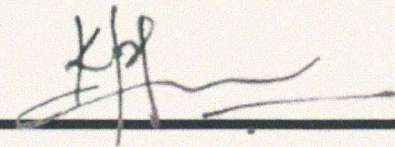
This is to certify that Mr/Ms. CH.Akilesh has attended one week course on "**Virtualization using VSphere**" conducted from 02-03-2018 to 07-03-2018



Dr.O.Mahesh
PRINCIPAL



B.V.SATISH BABU
Trainer



Dr.K.Prasnathi Jasmine
HEAD OF THE DEPARTMENT

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATION DETAILS

Dt: 5-12-2017

MINUTES OF MEETING

The meeting was conducted in the department of CSE. The agenda of the meeting was to discuss about the Certificate Course named as EMC Academic Associate, Data Science and Big Data Analytics and student active participation. Resolved to conduct the following course EMC Academic Associate, Data Science and Big Data Analytics.

SNO	Name of the Faculty	Designation	Signature
1	Y. RAJESH	Asst. Prof	Y. Rajesh
2	V. DILIP KUMAR	Asst. Prof	V. Dilip
3	K. Nagawana Rao	Asst. Prof	K. Nagawana Rao
4	K. Venkateswara Rao	Asst. Prof	K. Venkateswara Rao
5	CH. NAGAMANI	Asst. Prof	CH. NAGAMANI
6	RAZEENA BEGUM	Asst. Prof.	RAZEENA BEGUM
7	B. U. S. Chaitanya Babu	Asst. Prof.	B. U. S. Chaitanya Babu
8	K. Sireesha	Asst. Prof	K. Sireesha
9	K. Raju	Asst. Prof	K. Raju
10	T. UISHORE BABU	Asst. Prof	T. UISHORE BABU
11	M. Mohanadeepthi	Asst. Prof	M. Mohanadeepthi
12	L. V. Ramesh	Asst. Prof	L. V. Ramesh
13	A. Koteswara Rao	Asst. Prof	A. Koteswara Rao
14	KSR Krishna	Asst. Prof	KSR Krishna


 Signature of HOD



 PRINCIPAL
 ANDHRA LOYOLA INSTITUTE OF
 ENGINEERING & TECHNOLOGY
 VIJAYAWADA-520008.

Title of the Certification: Emc Academic Associate, Data Science and Big Data Analytics
Faculty Name: L. V Ramesh, K. Sivarama Krishna, V. Dilip
Academic Year: 2017-18

SYLLABUS



Topic	Sub Topics
Module:1 Introduction to Big Data Analytics	Definition of big data, Big data characteristics and considerations
Module:1 Introduction to Big Data Analytics Contd...	Unstructured data fueling big data analytics, Mini-Case Study
Module:1 Introduction to Big Data Analytics Contd...	Analyst perspective on Data Repositories
Module:2 Data Analytics Lifecycle	Data Analytics Lifecycle, Roles for a Successful Analytics Project
Module:2 Data Analytics Lifecycle Contd...	Roles for a Successful Analytics Project Contd...
Module:2 Data Analytics Lifecycle Contd...	Case Study to apply the data analytics lifecycle
Lab Exercise 1	Lab Exercise 1: Introduction to Data Environment
Module:3 Review of Basic Data Analytic Methods Using R	Using the R Graphical User Interface, Getting Data Into (and Out of) R With Practical
Module:3 Review of Basic Data Analytic Methods Using R Contd...	Getting Data Into (and Out of) R (Contd...), Getting Data Into R With Practical
Module:3 Review of Basic Data Analytic Methods Using R & Lab Exercise 2	Getting Data Out of R, Lab Exercise 2: Introduction to R
Module:3 Review of Basic Data Analytic Methods Using R Contd...	Review of Basic Data Analytic Methods Using R, Analyzing and Exploring the Data
	Lab Exercise 3: Basic Statistics, Visualization and Hypothesis Tests - Part 1 - Workflow


PRINCIPAL
ANDHRA LOYOLA INSTITUTE C
ENGINEERING & TECHNOLOG
VIJAYAWADA-520008

Department: CSE

Academic Year: 2017-2018

Name of the Program: Emc Academic Associate, Data Science and Big Data Analytics

List of Students Enrolled / Completed: 7

<u>SNO</u>	<u>Name of the Student</u>
1	ANUSHA VASABHAKTULA
2	Bhagya lakshmi Polavarapu
3	Dharani gurram
4	Kiranmayee Tumuluri
5	Mounica Pilli
6	Shyam satya sai pavan annamraju
7	Sreeja Bethu

Assessment Procedures

➤ Exam

Report Of Certification Course

An extensive certification course on 'Emc Academic Associate, Data Science and Big Data Analytics' was conducted for 4th year CSE students from 06-12-2017 To 12-12-2017. The program aimed at imparting the basics of Data Analytics using R language to the students and also some of the advanced concepts which are not there in the curriculum.



PRINCIPAL

**ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.**

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA - 520 008

FACULTY NAME: L.V.Ramesh, K. Sivarama Krishna, V. Dilip
ACADEMIC YEAR: 2017-2018
BRANCH: CSE
SUBJECT: ECE EMC ACADEMIC
ASSOCIATE, Data Science & Big Data Analytics

HOUR TAKEN		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30																															
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S.NO.	REG. NO.	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	14HTPIA0568	Anusha Varabhatula	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2	14HTPIA1201	Shravya Lakshmi Palakurapu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
3	14HTPIA0565	Dharani Gurram	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	14HTPIA0507	Kiranmayee Tumaluri	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	14HTPIA1116	Maanika Pilli	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6	14HTPIA0561	Shyam Satya Sai Ravi Anand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
7	14HTPIA0590	Sreya Bethu	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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V. Dilip Kumar

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PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING AND TECHNOLOGY
VIJAYAWADA-520008.

VI

ACADEMIC YEAR: 2017-2018

SIGNATURE

✓. Dilip k

HOD SIGNATURE

PRINCIPAL
DHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

This certificate recognizes

Anusha Vasabhaktula

has successfully completed the requirements for

EMC Academic Associate

EMC Academic Associate, Data Science and Big Data Analytics



December 13, 2017

Verification Code: LV5GXMLR12R113GS
Verify at: www.certmetrics.com/emc/public/verification.aspx

This certificate recognizes

Bhagya Lakshmi Polavarapu

has successfully completed the requirements for

EMC Academic Associate

EMC Academic Associate, Data Science and Big Data Analytics



December 13, 2017

Verification Code: 5BH69XYR2M4QQBKK
Verify at: www.certmetrics.com/emc/public/verification.aspx

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF OF ELECTRICAL AND ELECTRONICS ENGINEERING
CERTIFICATION DETAILS

Dt:20-4-2018

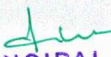
MINUTES OF MEETING

The meeting was conducted in the department of EEE. The agenda of the meeting was to discuss about the Certificate course named as : EMBEDDED SYSTEMS FUNDAMENTALS USING IOT and student active participation. Resolved to conduct the following courses: EMBEDDED SYSTEMS FUNDAMENTALS USING IOT

SNO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1	y.c.Ashok kumar	Asst.Prof	y.c. Ashok Kumar
2	Dr.G.Naveen Kumar	Assoc .Prof	
3	L.Karunakar	Asst.Prof	
4	T.Krishna Mohan	Asst.Prof	
5	K Rajesh Babu	Asst.Prof	
6	M M Karunakar	Asst.Prof	
7	M Rama Krishna	Asst.Prof	

y.c. Ashok Kumar
Signature of HOD

Dept. of E.E.E
Andhra Loyola Inst of Engg & Tech
Vijayawada-08


PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.

FACULTY NAME: T.Krishna Mohan

ACADEMIC YEAR:2017-18

NAME OF THE CERTIFICATION:EMBEDDED SYSTEMS FUNDAMENTALS USING IOT YEAR / SEM:III/1

SYLLABUS

Embedded Systems using IOT Syllabus

Unit 1:

Introduction to embedded systems,
Application Areas,

Unit 2:

Categories of embedded systems,
Overview of embedded system architecture,

Unit 3:

Specialties of embedded systems,
recent trends in embedded systems,

Unit 4:


Architecture of embedded systems,

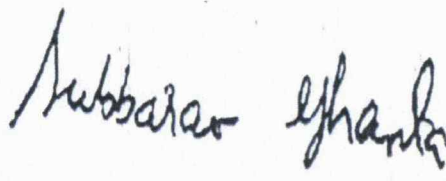
Unit 5:

Hardware architecture,
Software architecture,

Unit 6:

Application Software,
Communication Software.


PRINCIPAL
DHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008.


APSSDC

DEPARTMENT: EEE**Academic Year: 2017-2018****Name of the Program:** Embedded Systems Fundamentals using IoT**List of Students Enrolled / Completed:10**

S.No	Regd. No.	Name	Program
1	15HP1A0210	BODDAPATI POOJITHA	Embedded systems fundamentals using IOT
2	15HP1A0212	KESIREDDY RAMYA	Embedded systems fundamentals using IOT
3	15HP1A0213	BALA SAI PRIYA	Embedded systems fundamentals using IOT
4	15HP1A0232	KUNAPAREDDY PHANI TEJA	Embedded systems fundamentals using IOT
5	15HP1A0236	PAJJURI SAI DILIP	Embedded systems fundamentals using IOT
6	15HP1A0237	YARLAGADDA SAI KIRAN	Embedded systems fundamentals using IOT
7	16HP5A0201	KALPANA	Embedded systems fundamentals using IOT
8	15HP1A0201	PATHURI BHAVANI	Embedded systems fundamentals using IOT
9	15HP1A0206	PERIKALA MANASWI	Embedded systems fundamentals using IOT
10	15HP1A0227	VEMURI KARTHEEK	Embedded systems fundamentals using IOT

Assessment Procedures

- viva

Report Of Certification Course

An extensive certification course on 'Embedded Systems Fundamentals using IoT' was conducted for 4th year EEE students from **27-04-2018 To 20-05-2018**. The program aimed at imparting the Embedded Systems Fundamentals using IoT Fundamentals to the students and also some of the advanced concepts which are not there in the curriculum. The certified instructor from the APSSDC trained the students.


PRINCIPAL
VDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VADAYAWADA-520008

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY VIJAYAWADA - 520 008

FACULTY NAME: T. K. Srinivasan
ACADEMIC YEAR: 2017-18

BRANCH: EEE
SUBJECT: Embedded Systems

HOUR TAKEN			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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1	15HP/A0210	B. priyanka	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
2	15HP/A0212	K. Ranya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3	15HP/A0213	B. Sai priya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	15HP/A0232	K. phani kishore	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	15HP/A0236	P. Sai deep	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
6	15HP/A0237	V. Sai kiran	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
7	15HP/A0280	D. Kalpana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
8	15HP/A0201	B. Bhavani	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
9	15HP/A0206	P. Manasini	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
10	15HP/A0227	B. Karthik	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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PRINCIPAL
ANDHRA LOYOLA INSTITUTE OF
ENGINEERING & TECHNOLOGY
VIJAYAWADA-520008



APSSDC
(Andhra Pradesh State Skill Development Corporation)
Department of Skill Development,
Entrepreneurship & Innovation, Government of Andhra Pradesh

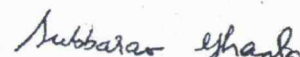


in co-ordination with

Andhra Loyola Institute of Engineering and Technology
Summer Training Program

This is to certify that BODDAPATI POOJITHA
has participated in **Summer Training Program** from 27th April to 20th May 2018 on
EMBEDED SYSTEMS FUNDAMENTALS USING IOT


Principal


APSSDC




APSSDC
(Andhra Pradesh State Skill Development Corporation)
Department of Skill Development,
Entrepreneurship & Innovation, Government of Andhra Pradesh



in co-ordination with
Andhra Loyola Institute of Engineering and Technology
Summer Training Program

This is to certify that K.RAMYA
has participated in Summer Training Program from 27th April to 20th May 2018 on
EMBEDED SYSTEMS FUNDAMENTALS USING IOT


Principal


APSSDC

**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF INFORMATION TECHNOLOGY
CERTIFICATION DETAILS**

MINUTES OF MEETING

The meeting was conducted in the department of IT. The agenda of the meeting was to discuss about the Certificate course named as Palo Alto Networks and student active participation. Resolved to conduct the following course
Firewall: Install, Configure and Management

SNO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1	S. Kishore Babu	Asst. Prof	[Signature]
2	V. Shanmukha Rao	Assoc. Prof	[Signature]
3	V. Vidya Sagar	Asst. Prof	[Signature]
4	G. Duravani	Asst. Prof	[Signature]
5	L. Prasadavasi	Asst. Prof	[Signature]
6	N. Nani Malini	Asst. Prof	[Signature]
7	B. Lavanya	Asst. Prof	[Signature]
8	K. Neelavathi	Asst. Prof	[Signature]
9	K. Sowmya	Asst. Prof	[Signature]
10	B. Venu Gopal	Asst. Prof	[Signature]
11	G. Maneeha	Asst. Prof	[Signature]

[Signature]
PRINCIPAL

ANDHRA LOYOLA INSTITUTE OF
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Syllabus

FIREWALL 9.0 ESSENTIALS: CONFIGURATION AND MANAGEMENT (EDU-210)

Overview

The Palo Alto Networks Firewall 9.0 Essentials: Configuration and Management (EDU-210) course is five days of instructor-led training that will help you to:

- Configure and manage the essential features of Palo Alto Networks next-generation firewalls
- Configure and manage GlobalProtect to protect systems that are located outside of the data-center perimeter
- Configure and manage firewall high availability
- Monitor network traffic using the interactive web interface and firewall reports

- | | |
|---|--|
| • Module 1: Security Platform and Architecture | • Module 9: WildFire™ |
| • Module 2: Initial Configuration | • Module 10: User-ID™ |
| • Module 3: Interface Configuration | • Module 11: GlobalProtect™ |
| • Module 4: Security and NAT Policies | • Module 12: Site-to-Site VPNs |
| • Module 5: App-ID™ | • Module 13: Monitoring and Reporting |
| • Module 6: Content-ID™ | • Module 14: Active/Passive High Availability |
| • Module 7: URL Filtering | • Module 15: Security Practices |
| • Module 8: Decryption | |



Course Objectives

Successful completion of this five-day, instructor-led course should enhance the student's understanding of how to configure and manage Palo Alto Networks next-generation firewalls. The student should learn and get hands-on experience configuring, managing, and monitoring a firewall in a lab environment.

Scope

- **Course level:** Introductory
- **Course duration:** 5 days
- **Course format:** Combines lecture and hands-on labs
- **Platform support:** Palo Alto Networks next-generation enterprise firewalls running the PAN-OS® operating system

Target Audience

Security Engineers, Security Administrators, Security Operations Specialists, Security Analysts, Network Engineers, and Support Staff

Prerequisites

Students must have a basic familiarity with networking concepts including routing, switching, and IP addressing. Students also should be familiar with basic security concepts. Experience with other security technologies (IPS, proxy, and content filtering) is a plus.

Palo Alto Networks Education

Training from Palo Alto Networks and a Palo Alto Networks Authorized Training Center delivers the knowledge and expertise to prepare you to protect our way of life in the digital age. Our trusted security certifications give you the next-generation security platform knowledge necessary to prevent successful cyberattacks and safely enable applications.

Palo Alto Networks
Firewall 9.0 Essentials
Configuration and
Management
PART NUMBER: EDU-210

3000 Tannery Way
Santa Clara, CA 95054
Main +1 408 753 4000
Sales +1 866 320 4788
Support +1 866 898 9087
www.paloaltonetworks.com

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Department: IT

Academic Year: 2017-2018

Name of the Program: Palo Alto Networks

List of Students Enrolled / Completed: 9


<u>SNO</u>	<u>Name of the Student</u>
1	K.Sampath Kumar
2	P.S.V.S Vyjayanth
3	P.Ramesh
4	K.Suha Spandana
5	A.Sreeja
6	D.Naga Sindhuja
7	S.Sree Varsha
8	U.Geetha Bhagavathi
9	P.Bhagya Lakshmi

Assessment Procedures

➤ VIVA

Report Of Certification Course

An extensive certification course on 'Palo alto Networks' was conducted for 4th year IT students from **11-07-2017 To 17-07-2017**. The program aimed at imparting the basics of Firewall Installation and Configuration to the students and also some of the advanced concepts which are not there in the curriculum.


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BRANCH: IT
SUBJECT: Palo Alto Networks

HOD SIGNATURE

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An ISO 9001:2008 Certified Institution, Vijayawada-520008.

DEPARTMENT OF INFORMATION TECHNOLOGY

Certificate of completion for

PALO ALTO NETWORKS

is here by granted to

K.Sampath Kumar

for successful completion of

Firewall: Install, Configure and Manage (201)

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P.S.V.S Vyjayanth

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Firewall: Install, Configure and Manage (201)

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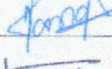
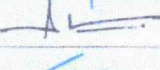


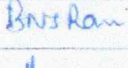



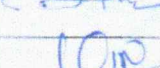



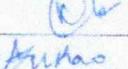

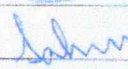
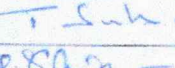
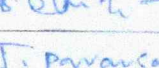
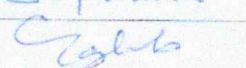


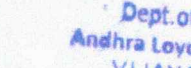

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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS

MINUTES OF MEETING

28/6/2017

The meeting was conducted in the department of Mechanical Engineering. The agenda of the meeting was to discuss about the "Certificate course" and student active participation. Resolved to conduct the following courses: Welding Lab

S.No	Name of the Faculty	Designation	Signature
1	Dr B V Sudheer Kumar	Professor	
2	B Sudheer Kumar	Assistant Professor	
3	Ch Ranga Rao	Assistant Professor	
4	M Sudhakar	Assistant Professor	
5	G G srinivasu	Assistant Professor	
6	M Srinivasa Reddy	Assistant Professor	
7	B N Sudha Rani	Assistant Professor	
8	B Susmitha	Assistant Professor	
9	M Geeta Rani	Assistant Professor	
10	K Teja Swarup	Assistant Professor	
11	E Durgesh	Assistant Professor	
12	K John Raja Ravi Kiran	Assistant Professor	
13	T V Srinivasa Rao	Assistant Professor	
14	T L Prasanna Kumar	Assistant Professor	
15	S P Krishna Mithra	Assistant Professor	
16	N Naga Varun	Assistant Professor	
17	K V Nageswara Rao	Assistant Professor	
18	B Rama Rao	Assistant Professor	
19	Sk Salman Beebi	Assistant Professor	
20	T Subba Reddy	Assistant Professor	
21	B Sree Chaitanya	Assistant Professor	
22	J Pavan Sai	Assistant Professor	
23	I Galib	Assistant Professor	
24	K V Ramana	Assistant Professor	

28/6/17

HEAD
 Dept. of Mechanical Engg.
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DEPARTMENT OF MECHANICAL ENGINEERING

The following courses are included in WELDING for the A.Y 2017-18

1. Sheet Metal Foundation
2. Quality Control
3. Fitting Foundation
4. Basics of Engineering drawing
5. Pipe and Structural Fabrication
6. Welding Foundation


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DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS

Title of the Certification Program: WELDING LAB
Coordinator: K TEJA SWARUP
Academic Year: 2017-18

Duration: 210 hours
Course Code: ME171801
Year / Sem: IV-I

WELDING

Unit:1 Introduction


1. What Is Welding
2. Why Is Welding Required
3. History Of Welding
4. Types Of Welding
5. Applications
6. Materials
7. Safety
8. Assessment

Unit: 2: WELDING PROCESS

1. Working Principle Of Welding
2. Basic Setup
3. Filler Materials
4. Advantages Of Welding Over Other Joining Processes
5. Limitations Of Welding Over Other Joining Processes
6. Assessment

Unit:3: WELDING PROCESS

1. TYPES OF ARC WELDING
2. MMAW
3. MIG Welding
4. FCAW
5. TIG Welding
6. SAW
7. Gas Welding


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8. Assessment

Unit:4: WELDING JOINTS AND SYMBOLS

1. Types Of Joint Designs
2. Welding Symbols
3. Joint Configuration Parameters
4. Preparation
5. Welding Positions
6. Assessment

Unit: 5: OXY-FUEL GAS CUTTING

1. Safety And PPE
2. Equipment And Connections
3. Setup And Working Principle
4. Accessories
5. Tools
6. Parameters
7. Assessment

Unit: 6: GRINDING

1. Safety And PPE
2. Equipment And Connection
3. Working Principle
4. Parameters
5. Grinding
6. Assessment

Unit: 6: MANUAL METAL ARC WELDING (MMAW)

1. Safety And PPE
2. Equipment
3. Setup And Connections


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4. Working Principle
5. Tools
6. Filler Metals
7. Weld Defects And Inspection
8. Parameters
9. Weld Inspection
10. Welder Qualification
11. Assessment

Unit: 7: METAL ACTIVE GAS OR MIG

1. Safety And PPE
2. Equipment
3. Setup And Connection
4. Working Principle
5. Filler Metals
6. Shielding Gases
7. Weld Inspection
8. Parameters
9. Weld Defects
10. Assessment



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PRACTICAL'S

1. MMAW

How To Weld A Work piece In 1F Position By MMAW Operation

- Step 1- Procedure Of Marking, On The Rectangular Plate
- Step 2- Procedure Of Gas Cutting, On The Rectangular Plate
- Step 3- Procedure To Perform Filing Operation
- Step 4- Procedure To Perform MMAW Operation, In 1F Position
- Step 5- Perform Chipping Operation, Of Improper Weld Deposit
- Step 6- Perform The MMAW Operation, With 4mm Mild Steel Electrode
- Step 7- Perform The Chipping Operation, Of Slag Deposit On The Weld Bead
- Step 8- Inspect The Fillet Weld

How To Weld A Workpiece In 1G Position By MMAW Operation

- Step 1- Procedure Of Marking On The Rectangular Plate
- Step 2- Procedure Of Gas Cutting On The Rectangular Plate
- Step 3- Procedure To Perform Grinding Operation
- Step 4- Procedure To Perform Filing Operation
- Step 5- Procedure To Perform Marking Operation, For 35 Degrees Bevel Gas Cutting
- Step 6- Procedure To Perform The 35 Degree Bevel Cutting Operation On The Marked Plate
- Step 7- Procedure To Perform Grinding Operation On The Bevel Cut Plate
- Step 8- Procedure To Perform Filing Operation
- Step 9- Procedure To Perform MMAW Operation In 1G Position
- Step 10- Procedure To Perform Chipping Operation Of Improper Weld Deposit
- Step 11- Perform The MMAW Operation With 3.15mm(Milli meters) Mild Steel(MS) Electrode
- Step 12- Perform Chipping Operation Of Improper Weld Deposit
- Step 13- Perform The MMAW Operation With 4mm Mild Steel Electrode


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Step 14- Perform The Chipping Operation Of Slag Deposit On The Weld Bead

MIG

How To Weld A Workpiece In 1F Position By MIG Operation

Step 1- Procedure Of Marking, On The Rectangular Plate

Step 2- Procedure Of Gas Cutting, On The Rectangular Plate

Step 3- Procedure To Perform, Filing Operation

Step 4- Procedure To Perform MIG Operation, In 1F Position

How To Weld A Workpiece In 1G Position By MIG Operation

Step 1- Procedure Of Marking On The Rectangular Plate

Step 2- Procedure Of Gas Cutting On The Rectangular Plate

Step 3- Procedure To Perform Grinding Operation

Step 4- Procedure To Perform Filing Operation

Step 5- Procedure To Perform Marking Operation, For 35 Degrees Bevel Gas Cutting

Step 6- Procedure To Perform The 35 Degree Bevel Cutting Operation On The Marked Plate

Step 7- Procedure To Perform Grinding Operation On The Bevel Cut Plate

Step 8- Procedure To Perform Filing Operation

Step 9- Procedure To Perform MIG Operation In 1G Position

Step 10- Procedure To Perform Buffing Operation, For Finish Of The Weld Zone

Assessment - Welding Foundation


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GENERAL SAFETY

Unit: 1. Introduction

- 1 Necessity Of Safety

Unit: 2. Accident

- 1 Why Accident Occurs
- 2 How To Avoid Accidents

Unit: 3. Basic Safety Rules And Precautions

- 1 Basic Safety Rule
- 2 Safety Precaution

Unit: 4. Safety Signs

- 1 Safety Signs
- 2 Prohibition Signs
- 3 Mandatory Signs
- 4 Warning Signs
- 5 Information Signs

Unit: 5. Electrical Safety

Causes Of Electric Shock

- 1 Due To Contact With Conductor
- 2 Due To Contact With An Ungrounded Conductor
- 3 Due To Indirect Contact With An Ungrounded Conductor

Unit: 6. Safety In Workshop

- 1 General Safety Precautions
- 2 Individual Safety- Clothing And Personal Protective Equipment



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Unit: 7. First Aid

- 1 Worker With An Electrical Injury
- 2 Electrical Rescue Techniques

Unit: 8. First Aid For Electric Shock

- 1 First Aid For Electric Shock
- 2 Aid For Electrical Burns
- 3 Aid For Burns And Scalds
- 4 Aid For Severe Bleeding
- 5 Treating Shock- Cardio Pulmonary Resuscitation Or CPR

Unit: 9. Fire

- 1 Chemistry Of Fire Or Factors For Fire
- 2 Classification Of Fire
- 3 General Procedure In Case Of Fire
- 4 Ways To Prevent Fire

Unit: 10. Fire Cases Equipment

- 1 Choosing Fire Extinguishers

Unit: 11. Types Of Fire Extinguisher

- 1 Types Of Fire Extinguisher
- 2 Water Filled
- 3 Foam
- 4 Dry Powder
- 5 Carbon Dioxide
- 6 Wet Chemical
- 7 Metal
- 8 Color Coding Of Extinguisher
- 9 Lifting And Handling Loads



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10 5 S Techniques

Unit: 12. Introduction to Quality Control

- 1 Why Quality Is Required
- 2 Need Of Quality
- 3 Dimensions Of Quality
- 4 Difference Between QC And QA

Assessment - Introduction To Quality Control

Unit: 13. Basics of Quality control

- 1 What Is Quality Control
- 2 Objective Of Quality Control

Assessment - Basics Of Quality Control

Unit: 14. Quality Control and Inspection

- 1 Objective Of Inspection


Unit: 15. Methods Of Inspection

- 1 Methods Of Inspection
- 2 Tool Inspection
- 3 First Piece Inspection
- 4 Working Inspection In Progress Inspection
- 5 Sampling Inspection
- 6 Final Inspection
- 7 Difference Between QC And Inspection

Assessment - Quality Control And Inspection

Unit: 16. Cost for Quality

- 1 What Is Cost For Quality
- 2 Different Types Of Cost For Quality
- 3 Failure Cost


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Unit:17.Types Of Failure Cost

- 1 Internal
- 2 External
- 3 Appraisal Cost
- 4 Preventive Cost

Assessment - Cost For Quality

Unit: 18.Sampling Inspection

- 1 What Is Sampling

Unit:19. Method Of Sampling

- 1 Method Of Sampling
- 2 Simple Random Sampling
- 3 Systematic Sampling
- 4 Stratified Sampling

Unit: 20. Types Of Sampling Plan

- 1 Types Of Sampling Plan
- 2 Single Sampling Plan
- 3 Double Sampling Plan
- 4 Multiple Sampling Plan
- 5 Sequential Sampling Plan
- 6 Selection Of Plan

Assessment - Sampling Inspection

Unit: 21 Quality Control In Manufacturing

- 1 Introduction
- 2 Inspection Criteria


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Unit: 22. Tolerance And Allowances

- 1 Tolerance
- 2 Allowances
- 3 Selection Of Measuring Instruments And Equipment

Unit: 23.Safety

- 1 Handling Of Equipments And Instruments

Unit: 24.Instruments And Equipments

- 1 Vernier Calliper
- 2 Digital Vernier Calliper
- 3 Dial Vernier Calliper
- 4 Depth Vernier
- 5 Micrometer
- 6 Steel Rule
- 7 Vernier Height Gauge
- 8 Dial Indicator
- 9 Measuring Tape
- 10 Try Square
- 11 Sine Bar
- 12 Bevel Protractor
- 13 Surface Plate
- 14 Parallel Block
- 15 Bore Gauges
- 16 Slip Gauges
- 17 Thread Pitch Gauge
- 18 Feeler Gauge
- 19 Sheet Metal Thickness Checking Gauge
- 20 Comparator
- 21 Radius Guage



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- 22 Thread Ring Gauge
- 23 Thread Plug Gauge
- 24 Snap Gauge
- 25 Plain Plug Gauge

Assessment - Quality Control In Manufacturing

Unit: 25: Quality Control Methods

- 1 NDT
- 2 Inspection
- 3 Destructive Tests

Assessment - Quality Control Methods

Unit: 26: Quality Tools and Techniques

Seven Tools Of Quality

- 3 Seven Tools Of Quality
- 4 Pareto Chart
- 5 Histogram
- 6 Cause And Effect Diagram
- 7 Check Sheet
- 8 Control Chart
- 9 Scatter Diagram
- 10 Process Flow Diagram


Assessment - Quality Tools And Techniques

Unit: 27: Recent Techniques for QC Improvement

- 1 JIT
- 2 Kanban
- 3 Queue Control
- 4 Zero Defect
- 5 Bench Marking

Assessment - Recent Techniques For QC Improvement

Assessment - Quality Control


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FITTING FOUNDATION

General Safety

Unit: 1: Introduction

Necessity Of Safety

1

Unit: 2: Accident

- 1 Why Accident Occurs
- 2 How To Avoid Accidents

Unit: 3: Basic Safety Rules And Precautions

- 1 Basic Safety Rule
- 2 Safety Precaution

Unit: 4: Safety Signs

- 1 Safety Signs
- 2 Prohibition Signs
- 3 Mandatory Signs
- 4 Warning Signs
- 5 Information Signs

Unit: 5: Electrical Safety

- 1 Due To Contact With Conductor
- 2 Due To Contact With An Ungrounded Conductor
- 3 Due To Indirect Contact With An Ungrounded Conductor

Unit: 6: Safety In Workshop

- 1 General Safety Precautions
- 2 Individual Safety-clothing And Personal Protective Equipment



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Unit:7: First Aid

- 1 Worker With An Electrical Injury
- 2 Electrical Rescue Techniques

Unit: 8: First Aid For Electric Shock

- 1 First Aid For Electric Shock
- 2 Aid For Electrical Burns
- 3 Aid For Burns And Scalds
- 4 Aid For Severe Bleeding
- 5 Treating Shock - Cardio Pulmonary Resuscitation Or CPR

Unit: 9: Fire

- 1 Chemistry Of Fire Or Factors For Fire
- 2 Classification Of Fire
- 3 General Procedure In Case Of Fire
- 4 Ways To Prevent Fire

Unit: 10: Fire Ceases Equipment**Types Of Fire Extinguisher**

- 1 Types Of Fire Extinguisher
- 2 Water Filled
- 3 Foam
- 4 Dry Powder
- 5 Carbon Dioxide
- 6 Color Coding Of Extinguisher
- 7 Choosing Fire Extinguishers
- 8 Lifting And Handling Loads


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Unit: 11: 5 S Techniques

- 1 Introduction


Unit: 12: Measuring Instruments Tools

Measuring Instruments

- 1 Steel Rule
- 2 Vernier Calliper
- 3 Digital Vernier Calliper
- 4 Dial Vernier Calliper
- 5 Vernier Height Gauge
- 6 Dial Indicator
- 7 Measuring Tape
- 8 Try Square
- 9 Micrometer
- 10 Bevel Protractor
- 11 Surface Plate
- 12 Parallel Block

Unit: 13: General Tools

- 1 Calliper
- 2 Divider
- 3 Straight Scriber
- 4 Oil Stone
- 5 Oil Can
- 6 Plier
- 7 Clamp Toolmaker
- 8 Wheel Dresser
- 9 Angle Plate
- 10 Punch
- 11 Combination Set
- 12 Snap Blade


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- 13 Snip
- 14 Wire Brush
- 15 Grinding Disc
- 16 Polish Paper
- 17 Wire Brush Wheel
- 18 Chisels And Hammers
- 19 Mallets
- 20 Allen Key
- 21 Screwdriver
- 22 Spanners

Unit: 14: Special Tools

- 1 Machine Vice
- 2 Bench Vice
- 3 Spirit Level
- 4 V-Block
- 5 Letter Or Number Punch

Unit: 15: Machines And Equipments

- 1 Radial Drilling Machine
- 2 Hand Grinder
- 3 Pneumatic Grinder
- 4 Bench Grinder
- 5 Hacksaw Machine

Unit: 16: Engineering Drawing - Introduction

- 1 Introduction
- 2 Classification
- 3 Usage
- 4 Correctness

Assessment

Unit: 17: Engineering Drawing - Introduction

Scales

- 1 Introduction
- 2 Types Of Scales

Assessment


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Unit: 18: Orthographic Projection

- 1 Graphical Projection
- 2 Descriptive Geometry
- 3 Element Of Projection
- 4 Projection View
- 5 Four Quadrants
- 6 Glass Concept
- 7 Methods Of Projection
- 8 Orthographic Projection
- 9 Method Of First Angle Projection
- 10 Method Of Third Angle Projection
- 11 Assessment - Orthographic Projection

Unit: 19: Isometric Projection

- 1 Introduction
- 2 Isometric Axes, Lines And Planes
- 3 Isometric Scale
- 4 Isometric View

Assessment - Isometric Projection

Unit:20: Fitting - Introduction

- 1 What Is Fitting
- 2 Need Of Fitting
- 3 Industrial Use

Assessment - Basic Fitting - Introduction

Unit: 21: Measuring And Marking Tools

- 1 Needs Of Measuring And Marking Tools
- 2 Measuring Tools
- 3 Marking Tools
- 4 Measuring System - British And Metric

Assessment - Measuring And Marking Tools

Unit: 23: Files And Hacksaws

- 1 Introduction
- 2 Types Of Files
- 3 Classification Of Files


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- 4 Filing
- 5 Hacksaw
- 6 Hand Hacksaw Cutting

Assessment - Files And Hacksaws

Unit: 24: Drilling

- 1 What Is Drilling
- 2 Need For Drilling
- 3 Drill
- 4 Common Terms Used In Drilling
- 5 Types Of Drilling Machines

Assessment - Drilling

Unit: 25: Threads And Threading

- 1 Introduction
- 2 Terms Related To Screw Threads
- 3 Types Of Threads
- 4 Taps And Dies

Assessment - Threads And Threading

Unit: 26: Reamers And Reaming

- 1 Introduction
- 2 Types Of Reamers
- 3 Reaming
- 4 Care Of Reamers

Assessment - Reamers And Reaming

Unit: 27: Grinding Wheels And Hand Grinding

- 1 Introduction
- 2 Need For Grinding
- 3 Industrial Use
- 4 Types Of Grinding Wheels
- 5 Mounting Of Grinding Wheel

Assessment - Grinding Wheels And Hand Grinding

Unit: 28: Joining Of Metals

- 1 Introduction
- 2 Need For Joining Metals
- 3 Industrial Use


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- 4 Types Of Fasteners
- 5 Caulking
- 6 Fullering

Unit: 29: Soldering

- 1 Introduction
- 2 Solder And Flux
- 3 Tip Tinning Process
- 4 Soldering Process
- 5 Soldering Tips

Unit: 30: Brazing

- 1 Introduction
- 2 Need Of Grinding
- 3 Industrial Use
- 4 Flux
- 5 Brazing Torch
- 6 Brazing Process

Assessment - Joining Of Metals

Unit: 31: Engineering Inspection

- 1 What Is Inspection
- 2 Need For Inspection
- 3 Need Of Tolerance
- 4 Common Terms
- 5 Fits

Assessment - Engineering Inspection

Unit: 32: Heat Treatment Of Steels

- 1 Introduction
- 2 Need Of Heat Treatment
- 3 Common Heat Treatment Process
- 4 Industrial Use

Assessment - Heat Treatment Of Steels


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Unit: 33: Sheet Metal Work

- 1 Basics Of Sheet Metal Work
- 2 Marking And Measuring Tools
- 3 Sheet Metal Work
- 4 Joining Of Sheets
- 5 Safety In Sheet Metal Work
- 6 Applications Of Sheet Metal Work

Assessment - Sheet Metal Work**Unit: 34: Black Smithy Work**


- 1 Introduction
- 2 Need For Black smithy And Forging
- 3 Industrial Use
- 4 Operations In Black smithy And Forging
- 5 Tools In Black smithy And Forging

Assessment - Black Smithy Work**Unit: 35: Jigs And Fixtures**

- 1 Introduction
- 2 Need For Jigs And Fixtures
- 3 Types Of Jigs And Fixtures

Assessment - Jigs And Fixtures**Assessment - Fitting Foundation****EXPERT****UNIT-1: Oxy-Fuel Gas Cutting**

- 1 Safety And PPE
- 2 Equipment And Connections
- 3 Setup And Working Principle
- 4 Accessories
- 5 Tools
- 6 Parameters
- 7 Assessment-Oxy-fuel Gas Cutting


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UNIT-2: Grinding

- 1 Safety And PPE
- 2 Equipment And Connection
- 3 Working Principle
- 4 Parameters
- 5 Grinding
- 6 Accessories
- 7 Assessment-Grinding

UNIT-3: Manual Metal Arc Welding

- 1 Safety And PPE
- 2 Equipment
- 3 Setup And Connections
- 4 Working Principle
- 5 Tools
- 6 Filler Metals



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- 7 Weld Defects And Inspection
- 8 Parameters
- 9 Weld Inspection
- 10 Welder Qualification
- 11 Assessment-Manual Metal Arc Welding

UNIT-4: Metal Active Gas Or MIG

- 1 Safety And PPE
- 2 Equipment
- 3 Setup And Connection
- 4 Working Principle
- 5 Filler Metals
- 6 Shielding Gases
- 7 Weld Inspection
- 8 Parameters
- 9 Weld Defects
- 10 Assessment-Metal Active Gas Or MIG


Final Assessment-Welding Expert

Unit: 1. Gas Welding

- 1 Safety And PPE
- 2 Introduction
- 3 Working Principle
- 4 Setup & Equipment
- 5 Tools & Accessories
- 6 Filler Metals
- 7 Parameters
- 8 Weld Defects
- 9 Assessment - Gas Welding

Unit: 2.TIG Welding

- 1 Safety And PPE
- 2 Introduction


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- 3 Working Principle
- 4 Equipment
- 5 Wear Parts
- 6 Tools & Accessories
- 7 Setup And Connections
- 8 Filler Metals
- 9 Shielding Gases
- 10 Weld Defects
- 11 Welding Inspection
- 12 Parameters
- 13 Assessment - TIG Welding

Unit: 3. Welding Standard

- 1 Introduction
- 2 American Welding Society
- 3 ASME
- 4 American Petroleum Institute
- 5 Indian Standard
- 6 ISO Standard
- 7 Assessment - Welding Standard

Unit: 4. Practical-Gas Welding

1. Bead On Plate (Welding CS)

Step 1: Procedure Of Gas Cutting On The Rectangular Plate

Step 2: Procedure To Perform Grinding Operation

Step 3: Procedure To Perform Bead On Plate Weld In Gas Welding

2. Fusion With Filler (Downhand Welding-CS)

Step 1: Procedure To Perform The 35 Degree Bevel Cutting Operation

Step 2: Procedure To Perform Filing Operation

Step 3: Procedure To Perform Fusion With Filler In Gas Welding

Unit: 5: Practical-TIG Welding


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1. Fusion Without Filler (Downhand Welding-CS)

Step 1: Procedure To Perform The 35 Degree Bevel Cutting Operation

Step 2: Procedure To Perform, Filing Operation

Step 3: Procedure To Perform Fusion Without Filler In TIG Welding

2. Bead On Plate With Filler (Downhand Welding-CS)

Step 1: Procedure Of Gas Cutting, On The Rectangular Plate

Step 2: Procedure To Perform Grinding Operation

Step 3: Procedure To Perform Bead On Plate Weld In TIG

3. 1F (Downhand Welding-CS)

Step 1: Procedure Of Marking On The Rectangular Plate

Step 2: Procedure Of Gas Cutting On The Rectangular Plate

Step 3: Procedure To Perform Filing Operation

Step 4: Procedure To Perform TIG Operation, In 1F Position

Step 5: Perform Cleaning Operation Of Weld Deposits

Step 6: Perform The TIG Operation With 4mm Filler Rod

Step 7: Perform The Cleaning Operation Of Weld Deposit

Step 8: Inspect The Fillet Weld

4. 2F (Down hand Welding-CS)

Step 1: Procedure Of Marking On The Rectangular Plate

Step 2: Procedure Of Gas Cutting On The Rectangular Plate

Step 3: Procedure To Perform Filing Operation

Step 4: Procedure To Perform TIG Operation In 2F Position

Step 5: Perform Cleaning Operation Of Weld Deposit

Step 6: Perform The TIG Operation With 4mm Mild Steel Electrode

Step 7: Perform The Cleaning Operation Of Weld Deposit

Step 8: Perform The TIG Operation With 4mm Filler Rod

Step 9: Perform The Cleaning Operation Of Weld Deposit

Step 10: Inspect The Fillet Weld


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5. 1G (Downhand Welding-CS)

- Step 1: Procedure Of Marking On The Rectangular Plate
- Step 2: Procedure To Perform The 35 Degree Bevel Cutting Operation
- Step 3: Procedure To Perform Grinding Operation
- Step 4: Procedure To Perform Filing Operation
- Step 5: Procedure To Perform TIG Operation In 1G Position
- Step 6: Perform The Cleaning Of Weld Deposit
- Step 7: Perform The TIG Welding Operation With 3mm Filler Rod
- Step 8: Perform The Cleaning Of Weld Deposit
- Step 9: Perform The TIG Operation With 4mm Filler Rod
- Step 10: Perform The Cleaning Of Weld Deposit

6. 2G (Positional Welding-CS)

- Step 1: Procedure Of Marking On The Rectangular Plate
- Step 2: Procedure To Perform 35 Degrees Bevel Gas Cutting On The Rectangular Plate
- Step 3: Procedure To Perform Grinding Operation
- Step 4: Procedure To Perform Filing Operation
- Step 5: Procedure To Perform TIG Welding Operation In 2g Position
- Step 6: Procedure To Perform Cleaning Of Weld Deposit
- Step 7: Perform The TIG Welding Operation With 3mm Filler Rod
- Step 8: Perform Cleaning Of Weld Deposit
- Step 9: Perform The TIG Welding Operation With 3mm Filler Rod
- Step 10: Perform Cleaning Of Weld Deposit

7. 3G (Positional Welding-CS)

- Step 1: Procedure Of Marking On The Rectangular Plate
- Step 2: Procedure To Perform 35 Degrees Bevel Gas Cutting On The Rectangular Plate
- Step 3: Procedure To Perform Grinding Operation



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- Step 4: Procedure To Perform Filing Operation
- Step 5: Procedure To Perform TIG Welding Operation In 3G Position
- Step 6: Procedure To Perform Cleaning Of Weld Deposit
- Step 7: Perform The TIG Welding Operation With 3mm Filler Rod
- Step 8: Perform Cleaning Of Weld Deposit
- Step 9: Perform The TIG Welding Operation With 4mm Filler Rod
- Step 10: Perform Cleaning Of Weld Deposit

8. 4G (Positional Welding-CS)

- Step 1: Procedure Of Marking On The Rectangular Plate
- Step 2: Procedure To Perform 35 Degrees Bevel Gas Cutting On The Rectangular Plate
- Step 3: Procedure To Perform Grinding Operation
- Step 4: Procedure To Perform Filing Operation
- Step 5: Procedure To Perform TIG Welding Operation In 4G Position
- Step 6: Procedure To Perform Cleaning Of Weld Deposit
- Step 7: Perform The TIG Welding Operation, With 3mm Filler Rod
- Step 8: Perform Cleaning Of Weld Deposit
- Step 9: Perform The TIG Welding Operation With 4mm Filler Rod
- Step 10: Perform Cleaning Of Weld Deposit
- Bead On Plate With Filler (Downhand Welding-SS)
- Step 1: Procedure Of Gas Cutting On The Rectangular Plate
- Step 2: Procedure To Perform Grinding Operation
- Step 3: Procedure To Perform Bead On Plate Weld In TIG

9. 2F (Down hand Welding-SS)

- Step 1: Procedure Of Marking On The Rectangular Plate
- Step 2: Procedure Of Gas Cutting On The Rectangular Plate
- Step 3: Procedure To Perform Filing Operation
- Step 4: Procedure To Perform TIG Welding Operation In 2F Position
- Step 5: Procedure To Perform Cleaning Of Weld Deposit



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Step 6: Perform The TIG Welding Operation With 4mm Filler Rod

Step 7: Procedure To Perform Cleaning Of Weld Deposit

Step 8: Perform The TIG Welding Operation With 4mm Filler Rod

Step 9: Perform Cleaning Of Weld Deposit

Step 10: Inspect The Fillet Weld

10. 2G (Positional Welding-SS)

Step 1: Procedure Of Marking On The Rectangular Plate

Step 2: Procedure To Perform 35 Degrees Bevel Gas Cutting On The Rectangular Plate

Step 3: Procedure To Perform Grinding Operation

Step 4: Procedure To Perform Filing Operation

Step 5: Procedure To Perform TIG Welding Operation In 2G Position

Step 6: Procedure To Perform Cleaning Of Weld Deposit

Step 7: Perform The TIG Welding Operation, With 3mm Filler Rod

Step 8: Perform Cleaning Of Weld Deposit

Step 9: Perform The TIG Welding Operation With 3mm Filler Rod

Step 10: Perform Cleaning Of Weld Deposit

11. Downhill (Pipe Welding-CS)

Step 1: Procedure Of Marking On The Pipe

Step 2: Procedure Of Cutting Pipe To The Required Length

Step 3: Procedure To Perform Grinding Operation

Step 4: Procedure To Perform Filing Operation

Step 5: Procedure To Perform TIG Operation In 5G Position


Step 6: Procedure To Perform Cleaning Of Weld Bead

Step 7: Procedure To Perform The Second Pass On The Root Run

Step 8: Perform Cleaning Of Weld Bead

Step 9: Procedure To Perform The Final Pass On The Root Run

Step 10: Procedure To Perform Cleaning Of Weld Bead


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12. 6G (Pipe Welding-CS)

Step 1: Procedure Of Marking On The Pipe

Step 2: Procedure Of Cutting Pipe To The Required Length

Step 3: Procedure To Perform Grinding Operation

Step 4: Procedure To Perform Filing Operation

Step 5: Procedure To Perform TIG Operation In 6G Position

Step 6: Procedure To Perform Cleaning Of Weld Bead

Step 7: Procedure To Perform The Second Pass On The Root Run

Step 8: Perform Cleaning Of Weld Bead

Step 9: Procedure To Perform The Final Pass On The Root Run

Step 10: Procedure To Perform Cleaning Of Weld Bead

Final Assessment - Welding Master

PIPE AND STRUCTURAL FABRICATION

Unit: 1. Safety And PPE

- 1 Safety And PPE
- 2 Introduction
- 3 Structural Fabrication
- 4 Pipe Fabrication
- 5 Material Used For Fabrication
- 6 Applications
- 7 Assessment-Introduction

Unit: 2. Basics Of Welding

- 1 What Is Welding
- 2 Working Principle Of Welding
- 3 Basic Set-Up
- 4 Filler Materials
- 5 Assessment-Basics Of Welding

Unit: 3. Role Of Electricity

- 1 Power Source


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- 2 What Is Electricity
- 3 Current
- 4 Voltage
- 5 Resistance
- 6 Earthing
- 7 Path Of Electricity And Polarity
- 8 Assessment-Role Of Electricity

Unit: 4. Types Of Welding In Pipe And Structural Fabrication

- 1 MMAW
- 2 Safety And PPE
- 3 Equipment
- 4 Setup And Connections
- 5 Working Principle
- 6 Tools
- 7 Filler Metals
- 8 Parameters
- 9 Weld Inspection
- 10 Advantages, Limitations And Applications Of MMAW Welding
- 11 MMAW For Structural Fabrication
- 12 MMAW For Pipe Welding

Unit: 5. MIG Welding

- 1 Safety And PPE
- 2 Equipment
- 3 Setup And Connection
- 4 Working Principle
- 5 Filler Metals
- 6 Shielding Gases
- 7 Weld Inspection
- 8 Parameters
- 9 Advantages, Limitations And Applications Of MIG Welding
- 10 MIG For Structural Fabrication
- 11 MIG For Pipe Welding



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Unit: 6. FCAW

- 1 Advantages, Limitations And Applications Of FCAW Welding
- 2 TIG Welding
- 3 Advantages, Limitations And Applications Of TIG Welding
- 4 SAW
- 5 Advantages, Limitations And Applications Of SAW Welding

Unit: 7. Gas Welding

- 1 Advantages, Limitations And Applications Of Gas Welding
- 2 Assessment-Types Of Welding In Pipe And Structural Fabrication
- 3 Oxy-Fuel Gas Cutting
- 4 Safety And PPE
- 5 Equipment And Connections
- 6 Working Principle
- 7 Accessories
- 8 Tools
- 9 Parameters
- 10 Assessment-Oxy-Fuel Gas Cutting

Unit: 8. Equipment And Tools

- 1 Equipment and Accessories

Unit: 9. Tools

- 1 Tools
- 2 Steel Rule
- 3 Measuring Tape
- 4 Scriber
- 5 Try Square
- 6 Centre Punch
- 7 Hand Hacksaw


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- 8 Abrasive SAW Wheel
- 9 Chisel
- 10 Wire Brush
- 11 Buffing Wheel
- 12 Assessment-Equipment And Tools

Unit: 10. Welding Joints And Edge Preparation

- 1 Types Of Joint
- 2 Edge Preparation
- 3 Surface Cleaning
- 4 Cutting
- 5 Grinding
- 6 Punching/Drilling
- 7 Straightening
- 8 Finishing
- 9 Assessment-Welding Joints And Edge Preparation

Unit 11. Different Welding Positions For Pipe And Structural Welding

- 1 Introduction To Welding Positions
- 2 Different Welding Positions
- Assessment-Different Welding Positions For Pipe And Structural
- 3 Welding
- 4 Welding Defects And Control
- 5 Welding Defects And Control
- 6 Assessment-Welding Defects And Control

Final Assessment-Pipe And Structural Fabrication


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ENGINEERING & TECHNOLOGY
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Name of the Program: WELDING FOUNDATION'**List of Students Enrolled / Completed: 82**

SNO	Name of the Student
1	Ajay Kumar Guntagani
2	Kiran Kumar Indupalli
3	Sri Lakshmana Prakash Josyula
4	Karthi Keyan Ethiraj
5	Manikanta Kandula
6	Venkateswarlu Kandula
7	Sunil Kumar Karri
8	Teja Khambam
9	Khaushik Kommineni
10	Rajesh Kodali
11	Venkataramaiah Kondeti
12	Venkata Sai Satyanarayana Krosuri
13	Ram Chandu Kosuri
14	Lavakumar Khumbam
15	Ajay Kumar Manika
16	Nuruddin Mohammed
17	Ganeswara Rao Mamidi
18	Sai Manikanta Manda
19	Simhachalam Maradani
20	Mohammad Baig
21	Muzeeb Mohammed
22	Mobeen Mohammed
23	Mohan Kalyan Eppili
24	Syam Sundar Motrapu
25	Santhosh Nanduru
26	Nikhil Bommidi\
27	Durga Prasad Palla
28	Yesu Raja Palli
29	Prasanth Pampana
30	Suneel Kumar Pathuri
31	Teja Ganga Das Nukala
32	Tirupathi Babu Chavali
33	Tirupathi Rao Mallela



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34	Umamaheswara Rao Sirela
35	Vidya Sagar Adhuri
36	Sai Vamsi Vannemreddi
37	Madhu Yadla
38	Sreeram Yelineedi
39	Yaswanth Koppuravuri
40	Yuvaraju Sankuri
41	Sai Venkata Ravi Teja Ande
42	Saif Ali Baig
43	Harsha Babu Ambadipudi
44	Naga Sai Pavan Kumar Ambati
45	Aneesh Ram Manchukonda
46	Gopi Srinivas Naik Badavathu
47	Ajay Babu Battu
48	Ranadeep Babu Bhattu
49	Akhil Varma Budagam
50	Venkata Sainath Reddy Byreddy
51	Manikumar Chilla
52	Srinivas Chadawalada
53	Avinash Chowtupalli
54	Naga Durga Prasad Chukka
55	Rama Manikanta Dondapati
56	Ratna Kishore Ganji
57	Murali Venkata Krishna Garapati
58	Pavana Subrahmanya Sairam Prasad Gedela
59	Raju Gollagani
60	John Sam Sundar Gotikala
61	Vamsi Krishna perla
62	Venkata Phanindra Kumar Reddy Mullapaka
63	Nagaraju Potagani
64	Ravi Pusuluru
65	Rinto Mathew
66	Rama Krishna Madaka
67	Ravi Kumar Kancharla
68	Santhi Raju Reddy
69	Sai Kalyan Kanithi
70	Sai Krishna Telu
71	Sai Kumar Ponduru
72	Sai Narendra Babu Rachabathuni


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73	Sai Pujari
74	Veerendra Kumar Sarvasiddi
75	Ghouse Khaza Mohiddin Shaik
76	Kamalvali Shaik
77	Siva Pidathala
78	Subba Reddy Bijjam
79	Mohan Satish Suri\
80	Suneel Nelaturi
81	Sai Raju Tadigadapa
82	Soma Sai Sundara Surya Kanth Ponnappalli

Assessment Procedures

➤ Exam

Report Of Certification Course

An extensive certification course on 'WELDING FOUNDATION' was conducted for 4th year MECH students from 01st December 2017 To 05th January 2018. The program aimed at imparting the basics of welding to the students and also some of the advanced concepts which are not there in the curriculum.


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DEPARTMENT OF MECHANICAL ENGINEERING

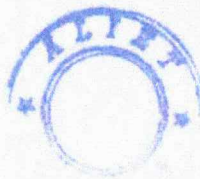
S.No	Name of the student	06-02-2018	07-02-2018	08-02-2018	09-02-2018	10-02-2018	11-02-2018	12-02-2018	13-02-2018	14-02-2018	15-02-2018	16-02-2018	17-02-2018	18-02-2018	19-02-2018	20-02-2018	21-02-2018	22-02-2018	23-02-2018	24-02-2018	25-02-2018	26-02-2018	27-02-2018	
1	Sai Venkata Ravi Raja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Anvesh Ravi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Sai Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Karthi Keyan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Murugan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Madhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Manikanta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Rinto	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Venikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Ajay Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Ranga K Shiva	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Murali Venkata Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Mohammed	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Lakshman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Karnavelli	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Harsha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Prasanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Chitose Khaza Mohideen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Naga Sai Eswar Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Ravi Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Sai Ravi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Santhosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Ajay Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY												
DEPARTMENT OF MECHANICAL ENGINEERING												
S.No	Name of the student	28.02.2018	2.03.2018	03.03.2018	04.03.2018	05.03.2018	07.03.2018	11.03.2018	28.03.2018	29.03.2018	30.03.2018	31.03.2018
1	Sai Venkata Ravi Teja	P	P	P	P	P	A	P	P	A	P	P
2	Aneesh Ram	P	P	P	P	P	P	P	P	P	P	A
3	Saif Ali	P	P	P	A	P	P	P	A	P	P	P
4	Karthi Keyan	A	P	P	P	P	P	P	P	P	A	P
5	Nuruddin	P	P	P	P	P	P	P	P	P	P	P
6	Madhu	P	P	P	P	P	P	P	P	P	P	P
7	Manikanta	P	P	P	P	P	P	P	P	A	A	P
8	Kinto	P	P	P	P	P	A	P	P	P	A	P
9	Manikumar	A	P	P	P	A	P	P	P	A	P	P
10	Ajay Kumar	P	P	A	P	P	P	A	P	P	P	A
11	Ratna Kishore	P	P	P	P	P	A	P	P	P	A	P
12	Murali Venkata Krishna	P	P	P	P	P	P	A	P	P	P	A
13	Mohammad Baig	A	P	P	P	A	P	P	P	A	P	P
14	Lavakumar	P	P	A	P	P	P	P	P	P	A	A
15	Kamalvali	P	P	P	P	P	A	P	P	P	A	P
16	Harsha	P	P	P	A	A	P	P	P	A	P	P
17	Prasanth	P	P	P	P	P	A	P	P	P	P	P
18	Ghouse Khaza Mohiddin	P	P	P	P	A	A	A	P	P	P	P
19	Naga Sai Pavan Kumar	P	P	P	P	P	P	P	P	P	P	P
20	Ravi Kumar	P	P	P	P	A	A	P	P	P	A	P
21	Sai Raju	P	P	P	P	P	P	P	P	A	P	P
22	Santhosh	A	A	A	P	P	P	A	P	A	P	P
23	Ajay Kumar	P	P	P	P	P	P	P	A	P	A	A

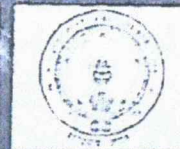
SIGN OF THE COURSE COORDINATOR



SIGN OF THE CENTRE INCHARGE

SIQC & Coordinator
SIEMENS-TSDI, APSSDC
Andhra Loyola Institute of
Engineering And Technology

SIEMENS
Ingenuity for life



• **DesignTech**

Certificate of Completion

siemens.co.in

This is to certify that **BYREDDY VENKATASAINATH**

REDDY

bearing number **SPLM/AP-SSDC/33602** has successfully

completed **Quality Control** Course

Conducted at

Andhra Loyola IET

from **01/02/2018** to **14/05/2018**

Siemens Industry Software India Pvt.Ltd APSSDC DesignTech Systems Limited

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This is to certify that **CHADALAWADA SRINIVAS**
bearing number **SPLM/AP-SSDC/11268** has successfully
completed **Welding Foundation** Course

Conducted at

Andhra Loyola IET

from **01/12/2017** to **05/01/2018**

Siemens Industry Software India Pvt.Ltd APSSDC DesignTech Systems Limited


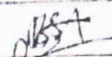
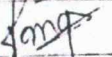
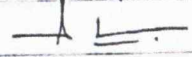
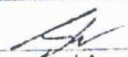

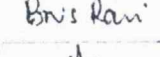
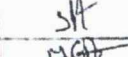
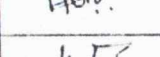
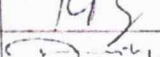
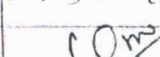

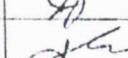


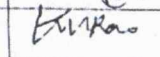
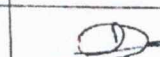
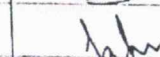
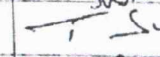
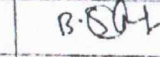
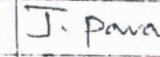
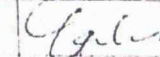


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VIJAYAWADA-8
DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS

MINUTES OF MEETING

Date: 27/11/2017

The meeting was conducted in the department of Mechanical Engineering. The agenda of the meeting was to discuss about the "Certificate course" and student active participation. Resolved to conduct the following courses: Solid Edge

S No	Name of the Faculty	Designation	Signature
1	Dr B V Sudheer Kumar	Professor	
2	B Sudheer Kumar	Assistant Professor	
3	Ch Ranga Rao	Assistant Professor	
4	M Sudhakar	Assistant Professor	
5	G G Srinivasa	Assistant Professor	
6	M Srinivasa Reddy	Assistant Professor	
7	B N Sudha Ram	Assistant Professor	
8	B Susmitha	Assistant Professor	
9	M Geeta Ram	Assistant Professor	
10	K Teja Swarup	Assistant Professor	
11	P Durgesh	Assistant Professor	
12	K John Raja Ravi Kiran	Assistant Professor	
13	T V Srinivasa Rao	Assistant Professor	
14	T T Prasanna Kumar	Assistant Professor	
15	S P Krishna Mithra	Assistant Professor	
16	N Naga Varun	Assistant Professor	
17	K V Nageswara Rao	Assistant Professor	
18	B Rama Rao	Assistant Professor	
19	SK Salman Beebi	Assistant Professor	
20	T Subba Reddy	Assistant Professor	
21	B Stee Chaitanya	Assistant Professor	
22	J Pavani Sai	Assistant Professor	
23	T Galib	Assistant Professor	
24	K V Lamana	Assistant Professor	


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HEAD
Dept. of Mechanical Engg.
Andhra Loyola Inst. of Engg. & Tech.
VIJAYAWADA-520008.

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VIJAYAWADA-8
DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS

Title of the Certification Program: SOLID EDGE
Course Coordinator: Ch Ranga Rao
Academic Year: 2017-18

Duration: 90 hours
Course Code: ME171802
Year / Sem: IV-II

SOLID EDGE

Unit: 1.Introduction

1. Solid Edge Fundamentals
2. Introduction
3. Introduction To Solid Edge

Unit: 2. Sketching

1. 3d Sketching Overview
2. Sketch Workflow
3. Activity: Draw A Simple Sketch
4. Sketch Plane Locking
5. Drawing Synchronous Sketches Of Parts
6. Regions
7. Activity: Create Regions
8. Open Sketches
9. Synchronous Sketch Behavior In The Ordered Environment
10. Drawing Ordered Sketches Of Parts
11. Drawing Commands
12. Drawing 2d Elements
13. Intent Zones
14. Construction Geometry
15. Modifying 2d Elements
16. Applying Colors And Patterns To Closed Boundaries
17. Sketch Geometric Relationships
18. Geometric Relationships
19. Drawing Tools
20. Working With Grids
21. Intellisketch
22. Example: Draw A Horizontal Line



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23. Example: Draw A Line Connected To Another Line
24. Projection Lines
25. Distance And Area Measurement
26. Example: Measuring The Length Of A Line
27. Dimensioning Sketches
28. Locked Dimensions
29. Dimension Orientation
30. Dimension Style
31. Sketches In Pathfinder
32. Sketches Context Menu In Pathfinder
33. Used Sketches Context Menu In Pathfinder
34. Sketch Plane Origin
35. Reposition Origin Command
36. Zero Origin Command
37. Reposition Origin Workflow
38. Sketch View
39. Sketch Consumption And Dimension Migration
40. Working With Combinable Sketches
41. Moving Sketches
42. Manipulating Sketch Elements In 2d
43. Workflow For Moving Or Copying A Sketch
44. 2d Sketch Manipulation Commands
45. Moving And Copying Sketch Elements In 3d
46. Workflow For A Synchronous 3d Move Or Rotate Of Sketch Elements
47. Copy, Cut, And Paste Sketch Elements
48. Projecting Elements Onto A Sketch Plane
49. Project To Sketch Command
50. Activity: Sketching (part 1)
51. Activity: Sketching (part 2)
52. Activity: Sketching (part 3)


Unit: 3. Constructing Base Features

1. What Is A Base Feature?
2. Creating Base Features
3. Two Methods For Constructing A Base Feature
4. General Workflow For Constructing A Base Feature
5. Extrude A Region

6. Revolve A Region
7. Constructing Synchronous Extruded Features Using The Select Tool
8. Extent Options
9. Create A Base Synchronous Feature
10. Constructing Revolved Features Using The Select Tool
 - I. Activity – Create A Vise Screw a)
Creating Additional Features
 - II. Activity – Remove Material From The Vise Base
 - III. Activity – Add Mounting Flanges To The Vise Base
11. Constructing Features Using The Feature Construction Commands
12. Model Dimensions
 - a) Dimensioning The Model
13. Editing Model Dimensions
 - a) Activity – Dimension A Model
14. Sketch Consumption And Dimension Migration
15. Coordinate Systems
 - a) Activity – Model With A Coordinate System
16. Sets
 - a) Working With User-Defined Sets

Unit: 4. Moving And Rotating Faces


1. Part Modification By Moving And Rotating Faces And Planes
2. Moving Synchronous Faces
3. Graphic Handle (3d Steering Wheel)
4. Reorient The Steering Wheel
5. Activity: Reorient The Steering Wheel
6. Moving A Face
7. Rotating A Face
8. Move Face Workflow
 - a) Activity: Move And Rotate Faces
 - b) Activity: Copying A Face And Using Keypoints To Define Movement
9. Selecting Faces
10. Selection Mode


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11. Normal Mode
12. Add/Remove Mode
13. Add Mode
14. Remove Mode
15. Selection Manager Mode
16. Selection Manager
17. Selection Manager Options
18. Select Tool Menu
 - a) Activity: Using The Selection Manager
 - b) Activity: Modifying A Part By Moving Select Sets
19. Quick bar Options For Moving Faces
20. Connected Face Options
21. Copy
 - a) Activity: Copying And Attaching A Feature (method 1)
 - b) Activity: Copying And Attaching A Feature (method 2)
 - c) Activity: Copying, Rotating, And Attaching A Feature To A New Location
22. Detach
 - a) Activity: Detaching And Attaching A Feature
23. Precedence
24. Working With Live Sections
 - a) Activity: Live Section

Unit: 5. Working With Face Relationships

1. Face Relationships Overview
2. Creating Face Relationships
3. Relate Options
4. Persist
5. Accept Or Cancel
6. Single/All Face Alignment
7. Relationships
8. Workflow For Relating Faces
 - a) Activity: Relating A Single Face With A Rigid Select Set
 - b) Activity: Relating Faces Using Parallel, Coplanar, Perpendicular And Concentric



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Relationships

- c) Activity: Relating All Faces In A Select Set
 - d) Activity: Coplanar Axis Hole Alignment
 - e) Activity: Coplanar Axis Alignment Using A Custom Axis
9. Live Rules
 10. Detected Face Relationships
 11. Working With Live Rules
 12. Orthogonal To Base If Possible
 13. Detect Local Symmetry
 - a) Activity: Detecting Symmetry Relationships
 - b) Activity: Applying A Symmetric About Relationship
 14. Live Rules Advanced(Live Rules Solution Manager)
 15. Detected Rules
 16. Pause A Synchronous Modeling Edit
 17. Editing Detected Relationships Workflow
 - a) Activity: Modifying Detected Relationships
 - b) Activity: Changing The Default Live Rules
 18. Using Variables
 - a) Activity: Using The Variable Table
 19. Delete Face
 20. Replace Face

Unit: 6. Constructing Treatment Features

1. Treatment Features
2. When To Add Treatment Features To Models
3. Rounding And Blending
4. Round Workflow
5. Rounding Order
 - a) Activity – Round Edges
 - b) Editing Rounds
 - c) Variable Radius Rounds
 - d) Blend Workflow


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- c) Activity – Blend Between Faces
- 6. Defining The Blend Shape
- 7. Chamfer Command
- 8. Chamfer Command (feature)
 - a) Activity – Creating Chamfer Features
- 9. Adding Draft To Parts
 - a) Activity – Add Draft To Model Faces
- 10. Things To Consider With Rounds And Draft Angles
- 11. Thickening And Thinning Parts
 - a) Activity – Create A Plastic Part Using Thin Wall
 - b) Activity – Model An Oil Pan
- 12. Constructing Functional Features
- 13. Procedural Features
- 14. Hole Command (synchronous Environment)
 - a) Activity: Place Holes
 - b) Activity: Edit Holes
- 15. Pattern Features
- 16. Rectangular Pattern Command (3d Features)
 - a) Activity: Rectangular Patterns
- 17. Circular Pattern Command (3d Features)
 - a) Activity: Circular Patterns
- 18. Pattern Along Curve Command
 - a) Activity: Pattern Along Curve
- 19. Fill Pattern
- 20. Rectangular Fill
- 21. Stagger Fill
- 22. Radial Fill
- 23. Center Orient
- 24. Editing A Fill Pattern
- 25. Add A Feature To The Parent Features Set Of An Existing Pattern
- 26. Edit A Pattern Profile
- 27. Suppressing Occurrences
- 28. Touching Or Overlapping Pattern Features



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- a) Activity: Fill Pattern
- 29. Feature Libraries
- 30. Storing Features In A Library
- 31. Placing Feature Library Members
- 32. Redefining Parent Edges
- 33. Feature Library Guidelines
- 34. Create An Unmanaged Feature Library Member
- 35. Place A Feature Library Member Into Another Document
 - a) Activity: Feature Libraries
- 36. Detaching And Attaching Faces And Features
- 37. Detach Faces
- 38. Attach Faces
 - a) Activity: Detach And Attach Face Sets
 - b) Activity: Attach
- 39. Cutting, Copying, And Pasting Model Elements
- 40. Copying And Cutting Elements
- 41. Pasting Elements
 - a) Activity: Copy And Move Face Sets
 - b) Activity: Copy And Paste Face Sets
- 42. Mirror
 - a) Activity: Mirror Faces And Features
- 43. Replace Face Command
 - a) Activity: Replace Face
- 44. Plastics Design Features
- 45. Rib Command
- 46. Web Network Command
- 47. Construct A Web Network
- 48. Vent Command
- 49. Lip Command
 - a) Activity: Functional Features In Consumer Products


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Unit: 7. Modeling Synchronous And Ordered Features

1. Modeling Synchronous And Ordered Features
2. Moving Ordered Features To Synchronous
 - a) Activity: Creating Ordered Features
 - b) Activity: Creating Both Ordered And Synchronous Features In A Model
 - c) Activity: Using Intellisketch
 - d) Activity: Applying Sketch Relationships (collinear, Parallel, Equal)
 - e) Activity: Applying Sketch Relationships (symmetric)
 - f) Activity: Using Construction Elements In Profiles
 - g) Activity: Constructing A Model From Sketches
 - h) Activity: Creating A Loft And Swept Protrusion
 - i) Activity: Creating Profile-Based Features
 - j) Activity: Constructing A Mouse Base
 - k) Activity: Embossing Text
 - l) Activity: Modeling A Machined Part
 - m) Activity: Constructing A Bracket

Unit: 8. Modeling Assemblies

1. Solid Edge Assembly
2. Placing Parts In Assemblies
3. Pathfinder In Assemblies
4. Assembly Relationships
5. Capture Fit Command
6. Capture The Assembly Relationships For A Part
 - a) Activity: Positioning Parts With Mate, Axial Align, Planar Align And Insert
 - b) Activity: Placing Parts In An Assembly Using Flashfit
7. The Assemble Command
8. Assemble Command
9. More Assembly Relationships
10. Connect Relationship
 - a) Activity: Positioning Assembly Parts Using The Connect Relationship
 - b) Activity: Positioning Assembly Parts Using The Angle Relationship

11. Designing In The Context Of An Assembly

a) Activity: Designing In The Context Of A Synchronous Assembly

Unit: 9. Creating Detailed Drawing


1. Drafting
2. Drawing Production Overview
3. Create A Part Drawing
4. Create An Assembly Drawing
5. Opening And Saving Draft Documents
6. Drawing Sheets
7. Drawing View Creation
8. Documenting Multiple Parts In One Draft Document
9. Principal Views
10. Auxiliary Views
11. Detail Views
12. Section Views
13. Broken Views
14. Draft Quality And High Quality Views
15. Drawing View Manipulation
16. Drawing View Alignment
17. Drawing View Cropping
18. Removing Geometry From A View
19. Drawing View Updates
20. Drawing Properties
21. Reference Parts
22. Defining Drawing Standards
23. Using Hyperlinks
24. 2d Drawing Views And 2d Model Views
25. Drawing Area Setup In 2d Model Space
26. Schematic Diagramming Using Blocks And Connectors
27. Using Blocks
28. Displaying Blocks In The Library
29. Organizing Block Libraries



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30. Editing Blocks
31. Using Connectors
32. Symbols Overview
33. Symbol Placement Methods
34. Activity: Drawing View Placement
 - a) Activity: Assembly Drawing Creation
 - b) Activity: Quicksheet
 - c) Activity: Broken View Creation
 - d) Activity: Broken-Out Section Creation
35. Dimensions, Annotations, And Pmi
36. Dimensioning Overview
37. Types Of Dimensions
38. Coordinate Dimensions
39. Class Fit Dimensions
40. 3d Pictorial Drawing View Dimensions
41. Dimension Groups
42. Zero And Negative Dimensions
43. Retrieving Dimensions And Annotations From A Model
44. Dimension And Annotation Standards And Formats
45. User-Defined Tables
46. Using The General Tab
47. Using The Title Tab
48. Using The Data Tab
49. Using The Sorting Page
50. Hole Tables
51. Family Of Parts Dimension Tables On Drawings
52. Tracking Dimension And Annotation Changes
53. Annotations Overview
54. Parts Lists
55. Exploded Parts Lists
56. Using The Columns Tab
57. Using The Options Page
58. Balloons


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- 59. Center Lines, Center Marks, And Bolt Hole Circles
- 60. Engineering Fonts
- 61. Geometric Tolerancing
- 62. Product Manufacturing Information (pmi)
- 63. Working With 3d Pmi
- 64. Pmi Dimensions And Annotations
- 65. Pmi Text Size And Color
- 66. Creating 3d Model Views With Pmi
- 67. Publishing Pmi And Model Views To View And Markup
- 68. Property Text Codes
 - a) Activity: Retrieving And Placing Dimensions b)
Activity: Placing Annotations
 - c) Activity: Placing A Parts List



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VIJAYAWADA-520011


Department: MECH

Academic Year: 2017-2018

Name of the Program: SOLID EDGE FUNDEMENTALS

List of Students Enrolled / Completed: 39

<u>SNO</u>	<u>Name of the Student</u>
1	Anjineyulu Bandi
2	Veda Annamayya
3	G Bhargav Babu
4	D Bhargav Vishnu
5	Y Bhargava Gopi
6	N Chandra Bose
7	C T Chandramouli
8	D Chandra Sekhar
9	C Chiranjeevi
10	Sk Farooq Basha
11	T GopiRaju
12	L Janaki
13	Abdul Jaseem
14	K Kasi Viswanadh
15	Ch Kiran
16	R Kuladeep
17	M Mahesh
18	T Manikanta Teja
19	Ch Sateesh
20	A Siva sankar
21	K Siva Venkatesh
22	U Srinivas
23	E Sivannarayana
24	N Srikanth
25	S Sreeram
26	B Sriram
27	M Sunny Abhishake
28	G Tarun Teja
29	N Vamsi Krishna
30	G D V Jayavardhan
31	P Vasudeva


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32	T Venkata Sudheer
33	S V D Pavan kumar
34	K Venkateswarlu
35	P Vinay
36	Waheed Abdul
37	Abin Jo P
38	U Ajay
39	G Akhil Chaitanya

Assessment Procedures

➤ Exam

Report Of Certification Course

An extensive certification course on '**SOLID EDGE FUNDEMENTALS**' was conducted for Final year MECH students from 5th Feb 2018 To 31th Mar 2018. The program aimed at imparting the basics of modeling to the students and also some of the advanced concepts which are not there in the curriculum.


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VIJAYAWADA-520008.

Slid 84 12-1


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DEPARTMENT OF MECHANICAL ENGINEERING											
S.No	Name of the student	05.12.17	06.12.17	07.12.17	8.12.17	11.12.17	12.12.17	13.12.17	14.12.17	15.12.17	16.12.17
1	Anjneyulu Bandi	P	P	A	A	P	P	P	P	P	P
2	Vana Jayavarahan	P	P	A	P	P	P	P	P	P	P
3	Ajay	P	P	P	P	A	P	P	P	P	P
4	Ahmed	P	P	P	P	A	P	A	P	P	P
5	Akhil Chaitanya	P	A	A	P	P	P	P	P	P	A
6	Bhargav Babu	P	P	P	P	P	P	P	P	P	P
7	Bhargav Hishnu	P	P	P	P	P	P	P	P	A	P
8	Bhargav Gopi	P	P	P	P	P	P	P	P	P	P
9	Chandra Bose	P	P	P	A	P	P	P	P	P	P
10	Chandra Sekhar	A	P	P	P	A	P	P	P	P	P
11	Chiranjeevi	P	P	P	A	P	P	P	P	P	P
12	Farooq Basha	P	P	P	P	A	A	P	A	P	P
13	Gopi Raju	P	A	P	P	P	P	P	P	A	A
14	Jassem	P	P	P	A	P	P	P	A	P	P
15	Kesi Viswanadh	A	A	P	P	P	P	P	P	A	P
16	Kiran	P	P	P	P	P	P	P	P	P	P
17	Kuladeep	P	P	P	A	P	P	P	P	P	P
18	Mathesh	P	P	P	P	P	P	P	P	P	P
19	Mani kanta Teja	P	P	P	A	P	P	P	P	P	P
S.No	Name of the student	08.03.18	09.03.18	12.03.18	13.03.18	14.03.18	19.03.18	20.03.18	21.03.18	22.03.18	31.03.18
20	Chandramouli	A	P	P	P	P	P	P	P	P	P
21	Janaki	A	P	P	A	A	P	A	P	A	P
22	Annamaya	P	P	P	A	P	P	P	P	P	P
23	Satish	P	P	P	P	P	P	P	P	A	P
24	Shiv Shankar	P	P	P	P	P	P	P	P	P	P
25	Shiva Venkatesh	P	P	P	A	A	P	A	A	P	P
26	Shrivas	A	P	P	P	P	P	P	P	P	A
27	Sivamurayana	P	P	P	P	P	P	P	P	P	P
28	Srikanth	P	P	P	P	P	P	P	P	P	P
29	Srinu Sreeramreddy	A	P	P	P	P	P	P	P	A	P
30	Srinu	P	A	P	P	P	A	P	P	P	A
31	Sunny Abhishake	A	P	P	P	P	P	P	P	A	P



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32	Farun Teja	P	A	A	P	A	P	P	P	P	P
33	Vanisi Krishna	P	P	P	P	P	A	P	P	P	A
34	Vasudeva	A	P	P	P	A	P	P	P	A	P
35	Venkata Sudheer	P	P	P	P	P	P	P	P	P	A
36	Venkata Durga Pavan kumar	P	P	P	P	P	P	A	P	P	A
37	Venkateswartha	P	P	P	P	P	P	P	A	A	P
38	Vinay	P	P	A	P	P	P	A	P	P	P
39	Waheed Abdul	P	P	P	P	P	A	A	P	P	P




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This is to certify that **ANJANEYULU BANDI**.....

bearing number.. **APSSDC/Siemens/M/21080** has successfully

completed..... **Solid Edge fundamentals**..... Course

Conducted at

Andhra Loyola Institute Of Engineering & Technology, Krishna

from **05-Dec-17** to **25-Jan-18**

Siemens Industry Software Pvt. Ltd

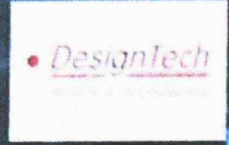
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This is to certify that **VEDA ANNAMMAYYA VEMU**.....
bearing number..**APSSDC/Siemens/M/21104** has successfully
completed.....**Solid Edge fundamentals**..... Course

Conducted at

Andhra Loyola Institute Of Engineering & Technology, Krishna

from **06-Feb-18** to **31-Mar-18**

Siemens Industry Software Pvt. Ltd

APSSDC

DesignTech Systems Limited



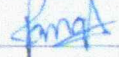
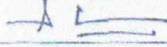


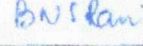









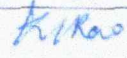







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VIJAYAWADA-8
DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS


MINUTES OF MEETING

29/7/2017

The meeting was conducted in the department of Mechanical Engineering. The agenda of the meeting was to discuss about the "Certificate course" and student active participation. Resolved to conduct the following courses: CNC

S.No	Name of the Faculty	Designation	Signature
1	Dr B V Sudheer Kumar	Professor	
2	B Sudheer Kumar	Assistant Professor	
3	Ch Ranga Rao	Assistant Professor	
4	M Sudhakar	Assistant Professor	
5	G G srinivasu	Assistant Professor	
6	M Srinivasa Reddy	Assistant Professor	
7	B N Sudha Rani	Assistant Professor	
8	B Susmitha	Assistant Professor	
9	M Geeta Rani	Assistant Professor	
10	K Teja Swarup	Assistant Professor	
11	E Durgesh	Assistant Professor	
12	K John Raja Ravi Kiran	Assistant Professor	
13	T V Srinivasa Rao	Assistant Professor	
14	T L Prasanna Kumar	Assistant Professor	
15	S P Krishna Mithra	Assistant Professor	
16	N Naga Varun	Assistant Professor	
17	K V Nageswara Rao	Assistant Professor	
18	B Rama Rao	Assistant Professor	
19	Sk Salman Beebi	Assistant Professor	
20	T Subba Reddy	Assistant Professor	
21	B Sree Chaitanya	Assistant Professor	
22	J Pavan Sai	Assistant Professor	
23	I Galib	Assistant Professor	
24	K V Ramana	Assistant Professor	


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 Dept. of Mechanical Engg.
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DEPARTMENT OF MECHANICAL ENGINEERING

The following courses are included in CNC for the A.Y 2017-18

1. Machining Foundation
2. Quality Control
3. Fitting Foundation
4. Basics of Engineering drawing
5. Introduction to CNC technology – CNC lathe course
6. Introduction to CNC technology – VMC course
7. CNC Programming and Machining course


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Signature of the HOD

**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND
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VIJAYAWADA-8
DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATION DETAILS**

Title of the Certification Program: CNC
Course Coordinator: E Durgesh
Academic Year: 2017-18


Duration: 180 hours
Course Code: ME171803
Year / Sem: IV-I

SYLLABUS

BASIC FITTING WORK

Unit: 1.General Safety

- 1 Introduction
- 2 Necessity Of Safety
- 3 Accident
- 4 Why Accident Occurs
- 5 How To Avoid Accidents
- 6 Basic Safety Rules And Precautions
- 7 Basic Safety Rule
- 8 Safety Precaution
- 9 Safety Signs
- 10 Safety Signs
- 11 Prohibition Signs
- 12 Mandatory Signs
- 13 Warning Signs
- 14 Information Signs
- 15 Electrical Safety
- 16 Due To Contact With Conductor
- 17 Due To Contact With An Ungrounded Conductor
- 18 Due To Indirect Contact With An Ungrounded Conductor
- 19 Safety In Workshop
- 20 General Safety Precautions
- 21 Individual Safety-clothing And Personal Protective Equipment
- 22 First Aid
- 23 Worker With An Electrical Injury


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- 24 Electrical Rescue Techniques
- 25 First Aid For Electric Shock
- 26 First Aid For Electric Shock
- 27 Aid For Electrical Burns
- 28 Aid For Burns And Scalds
- 29 Aid For Severe Bleeding
- 30 Treating Shock - Cardio Pulmonary Resuscitation Or CPR
- 31 Fire
- 32 Chemistry Of Fire Or Factors For Fire
- 33 Classification Of Fire
- 34 General Procedure In Case Of Fire
- 35 Ways To Prevent Fire
- 36 Fire Ceases Equipment
- 37 Types Of Fire Extinguisher
- 38 Types Of Fire Extinguisher
- 39 Water Filled
- 40 Foam
- 41 Dry Powder
- 42 Carbon Dioxide
- 43 Color Coding Of Extinguisher
- 44 Choosing Fire Extinguishers
- 45 Lifting And Handling Loads
- 46 5 S Techniques
- 47 Introduction


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Unit: 2.Measuring Instruments Tools

- 1 Measuring Instruments
- 2 Steel Rule
- 3 Vernier Calipers
- 4 Digital Vernier Calipers
- 5 Dial Vernier Calipers
- 6 Vernier Height Gauge
- 7 Dial Indicator
- 8 Measuring Tape
- 9 Try Square
- 10 Micrometer
- 11 Bevel Protractor
- 12 Surface Plate
- 13 Parallel Block
- 14 General Tools
- 15 Calliper
- 16 Divider
- 17 Straight Scriber
- 18 Oil Stone
- 19 Oil Can
- 20 Plier
- 21 Clamp Toolmaker
- 22 Wheel Dresser
- 23 Angle Plate
- 24 Punch
- 25 Combination Set
- 26 Snap Blade
- 27 Snip
- 28 Wire Brush
- 29 Grinding Disc
- 30 Polish Paper
- 31 Wire Brush Wheel
- 32 Chisels And Hammers
- 33 Mallets
- 34 Allen Key


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- 35 Screwdriver
- 36 Spanners
- 37 Special Tools
- 38 Machine Vice
- 39 Bench Vice
- 40 Spirit Level
- 41 V-Block
- 42 Letter Or Number Punch
- 43 Machines And Equipments
- 44 Radial Drilling Machine
- 45 Hand Grinder
- 46 Pneumatic Grinder
- 47 Bench Grinder
- 48 Hacksaw Machine
- 49 Engineering Drawing - Introduction
- 50 Introduction
- 51 Classification
- 52 Usage
- 53 Correctness
- 54

Assessment - Engineering Drawing - Introduction

Unit: 3.Scales

- 1 Introduction
- 2 Types Of Scales
- 3 Assessment - Scales

Unit: 4.Orthographic Projection

- 1 Graphical Projection
- 2 Descriptive Geometry
- 3 Element Of Projection
- 4 Projection View
- 5 Four Quadrants
- 6 Glass Concept
- 7 Methods Of Projection
- 8 Orthographic Projection
- 9 Method Of First Angle Projection
- 10 Method Of Third Angle Projection



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11 Assessment - Orthographic Projection

Unit: 5.Isometric Projection

- 1 Introduction
- 2 Isometric Axes, Lines And Planes
- 3 Isometric Scale
- 4 Isometric View
- 5 Assessment - Isometric Projection

Unit: 6.Fitting –

- 1 Introduction What Is Fitting
- 2 Need Of Fitting
- 3 Industrial Use
- 4 Assessment - Basic Fitting - Introduction

Unit: 7.Measuring And Marking Tools

- 1 Needs Of Measuring And Marking Tools
- 2 Measuring Tools
- 3 Marking Tools
- 4 Measuring System - British And Metric
- 5 Assessment - Measuring And Marking Tools

Unit:8.Files And Hacksaws

- 1 Introduction
- 2 Types Of Files
- 3 Classification Of Files
- 4 Filing
- 5 Hacksaw
- 6 Hand Hacksaw Cutting
- 7 Assessment - Files And Hacksaws



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Unit:9.Drilling

- 1 What Is Drilling
- 2 Need For Drilling
- 3 Drill
- 4 Common Terms Used In Drilling
- 5 Types Of Drilling Machines
- 6 Assessment - Drilling

Unit:10.Threads And Threading

- 1 Introduction
- 2 Terms Related To Screw Threads
- 3 Types Of Threads
- 4 Taps And Dies
- 5 Assessment - Threads And Threading

Unit: 11. Reamers And Reaming

- 1 Introduction
- 2 Types Of Reamers
- 3 Reaming
- 4 Care Of Reamers
- 5 Assessment - Reamers And Reaming

Unit:12.Grinding Wheels And Hand Grinding

- 1 Introduction
- 2 Need For Grinding
- 3 Industrial Use
- 4 Types Of Grinding Wheels
- 5 Mounting Of Grinding Wheel
- 6 Assessment - Grinding Wheels And Hand Grinding

Unit:13.Joining Of Metals

- 1 Introduction
- 2 Need For Joining Metals
- 3 Industrial Use
- 4 Types Of Fasteners
- 5 Caulking
- 6 Fullering
- 7 Soldering
- 8 Introduction


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- 9 Solder And Flux
- 10 Tip Tinning Process
- 11 Soldering Process
- 12 Soldering Tips
- 13 Brazing
- 14 Introduction
- 15 Need Of Grinding
- 16 Industrial Use
- 17 Flux
- 18 Brazing Torch
- 19 Brazing Process
- 20 Assessment - Joining Of Metals

Unit:14.Engineering Inspection

- 1 What Is Inspection
- 2 Need For Inspection
- 3 Need Of Tolerance
- 4 Common Terms
- 5 Fits
- 6 Assessment - Engineering Inspection

Unit:15.Heat Treatment Of Steels

- 1 Introduction
- 2 Need Of Heat Treatment
- 3 Common Heat Treatment Process
- 4 Industrial Use
- 5 Assessment - Heat Treatment Of Steels

Unit:16.Sheet Metal Work

- 1 Basics Of Sheet Metal Work
- 2 Marking And Measuring Tools
- 3 Sheet Metal Work
- 4 Joining Of Sheets
- 5 Safety In Sheet Metal Work
- 6 Applications Of Sheet Metal Work
- 7 Assessment - Sheet Metal Work

Unit:17.Black Smithy Work



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- 1 Introduction
- 2 Need For Black smithy And Forging
- 3 Industrial Use
- 4 Operations In Black smithy And Forging
- 5 Tools In Black smithy And Forging
- 6 Assessment - Black Smithy Work

Unit:18.Jigs And Fixtures

- 1 Introduction
- 2 Need For Jigs And Fixtures
- 3 Types Of Jigs And Fixtures
- 4 Assessment - Jigs And Fixtures

Assessment - Fitting Foundation


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MACHINING FOUNDATION

Unit:1 Material Handling And Safety

1. Introduction To Material Handling
2. Types Of Material Handling And Safety

Unit:2 Measuring Instruments

1. Steel Rule
2. Vernier Calliper
3. Digital Vernier
4. Dial Vernier
5. Height Vernier
6. Dial Indicator
7. Measuring Tape
8. Try Square
9. Micrometer
10. Bevel Protractor
11. Surface Plate
12. Thread Plug Gauge
13. Thread Ring Gauge
14. Thread Pitch Gauge
15. Bore Gauge
16. Comparator
17. Slip Gauge
18. Radius Checking Gauge
19. Snap Gauge
20. Plain Plug Gauge
21. Sine Bar
22. Sheet Metal Thickness Checking Gauge


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Unit:3.Introduction

1. What Is Machining
2. Different Machining Process
3. Terminology Used In Machining
4. Cutting Tools In Machining
5. Cutting Tool Nomenclature
6. Cutting Fluid In Machining
7. Industrial Use
8. Assessment – Introduction

Unit:4.Turning

1. Introduction
2. Working Principle Of Lathe Machine
3. Classification Of Lathe
4. Specification Of Centre lathe
5. Parts Of Centre Lathe
6. Accessories Of Centre Lathe
7. Operations On Centre Lathe
8. Tools For Turning
9. Tool Materials
10. Safety While Working
11. Assessment - Turning

Unit:5. Milling

1. Introduction
2. Working Principle Of Milling Machine
3. Classification Of Milling Machine
4. Specification Of Milling Machine
5. Difference between horizontal milling machine and vertical milling machine
6. Parts Of Milling Machine
7. Types Of Milling Process


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8. Operations On Milling Machine
9. Tools For Milling
10. Safety While Working
11. Assessment – Milling

Unit:6.Drilling

1. Introduction
2. Working Principle Of Drilling Machine
3. Classification Of Drilling Machine
4. Specification Of Drilling Machine
5. Parts Of Drilling Machine
6. Tool Holding Devices
7. Operations On Drilling Machine
8. Tools For Drilling
9. Safety While Working

Unit:7.Grinding

1. Introduction
2. Working Principle Of Grinding Machine
3. Classification Of Grinding Machine
4. Specification Of Surface Grinding Machine
5. Parts Of Surface Grinding Machine
6. Operations On Grinding Machine
7. Grinding Accessories And Tool
8. Grinding Wheel
9. Standard Types Of Grinding Wheel
10. Selection Of Grinding Wheel
11. Steps In Balancing Of Grinding Wheel
12. Safety While Working
13. Assessment - Grinding


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Unit:8.Various Materials And Its Properties

1. Introduction
2. Types Of Metals
3. Basic Properties
4. Properties And Uses
5. Revision of the POD
6. Prepare hand notes
7. Assessment - Various Materials And Its Properties

Assessment - Machining Foundation**INTRODUCTION TO CNC TECHNOLOGY - CNC LATHE -
LEVEL FOUNDATION****Unit: 1.Introduction**

1. Introduction To CNC
2. Historical Development Of CNC
3. Terms Used In CNC
4. Difference Between CNC Machine And Conventional Machine
5. Advantages Of CNC Machines
6. Types Of CNC Machines
7. Industrial Use
8. Prepare Hand notes
9. REVISION OF TOPICS
10. Assessment-Introduction

Unit: 2.Elements Of CNC

1. Machine Tool Structure
2. Drive System
3. Machine Control Unit
4. Display Unit Or Operator Panel
5. Input Devices
6. Feedback Devices
7. Prepare Hand notes
8. REVISION OF TOPICS


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9. Assessment-Elements Of CNC

Unit: 3.CNC Turning Centre-CNC Lathe

1. Introduction
2. Construction Of Machine
3. Axes Nomenclature
4. Working Principle of Machine
5. Machine Specification
6. Operating CNC Lathe
7. Switching On The Machine
8. Screen Details And Function Keys
9. Mode Selector Knob
10. Execution Function, Feed And Spindle Function And Miscellaneous Functions
11. Other Functions
12. Switching Off The Machine
13. Machining Operations
14. Work Holding Device
15. Tool Holding Devices
16. Required Cutting Tools And Inserts
17. Safety While Working
18. Prepare Hand notes
19. REVISION OF TOPICS
20. Assessment-CNC Turning Centre-CNC Lathe

Final Assessment-Introduction To CNC Technology-CNC Lathe


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INTRODUCTION TO CNC TECHNOLOGY - CNC VMC - LEVEL FOUNDATION

Unit: 1.Introduction

1. Introduction To CNC
2. Historical Development Of CNC
3. Terms Used In CNC
4. Difference Between CNC Machine And Conventional Machine
5. Advantages Of CNC Machines
6. Types Of CNC Machines
7. Industrial Use
8. Assessment-Introduction

Unit: 2. Elements Of CNC


1. Machine Tool Structure
2. Drive System
3. Machine Control Unit
4. Display Unit Or Operator Panel
5. Input Devices
6. Feedback Devices
7. Assessment-Elements Of CNC

Unit: 3.CNC Turning Centre-CNC Lathe

1. Introduction
2. Construction Of Machine
3. Axes Nomenclature
4. Working Principle of Machine
5. Machine Specification

Unit: 4.Operating VMC

1. Switching On The Machine
2. Screen Details And Function Keys
3. Mode Selector Knob
4. Execution Function, Feed And Spindle Function And Miscellaneous Functions


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5. Other Functions
6. Switching Off The Machine
7. Machining Operations
8. Work Holding Device
9. Tool Holding Devices

Unit: 5.Required Cutting Tools And Inserts

1. Safety While Working
2. Assessment-CNC Turning Centre-CNC Lathe

Final Assessment-Introduction To CNC Technology-CNC Lathe

CNC PROGRAMMING AND MACHINING

Unit: 1.Safety

1. Safety Precautions During Machine Setup On CNC Lathe
2. Check Points In CNC Lathe
3. Safety Precautions During Machine Setup On VMC
4. Check Points In VMC

Unit: 2.Drawing Study And Dimensions

1. Drawing Reading
2. GD And T
3. GD And T Symbols Used For Cylindrical Work piece
4. GD And T Symbols Used For Flat Work piece
5. Symmetry And Position Symbol
6. Trigonometric Formula
7. Assessment-Drawing Study And Dimensions


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Unit: 3.Coordinate System For CNC Lathe

1. Zero Points In CNC Lathe
2. CNC Lathe Axes
3. Coordinates Of Cylindrical Work piece On CNC Lathe
4. Coordinate System In CNC Lathe
5. Machine Coordinate System
6. Work piece Coordinate System
7. Assessment-Coordinate System For CNC Lathe

Unit: 4.Basics Of Turning Center Programming

1. Codes Used For CNC Turning
2. Program Overview
3. G Codes (Preparatory Codes)
4. G Codes-Part1 (Preparatory Codes)
5. G Codes-Part2 (Preparatory Codes)
6. G Codes-Part3 (Preparatory Codes)
7. M Codes (Miscellaneous Codes)
8. T Code (Tool Number)
9. S Codes (Speed)
10. F Code (Feed)
11. Program Sequence In CNC Turning Center
12. Interpolation
13. G00 (Rapid Traverse)
14. G01 (Linear Interpolation)
15. G02 (Circular Interpolation In Clockwise Direction)
16. G03 (Circular Interpolation In Clockwise Direction)
17. Tool Nose Radius Compensation In CNC Turning
18. G42 (Tool Nose Radius Compensation Right)
19. G41 (Tool Nose Radius Compensation Left)
20. G40 (Tool Nose Radius Compensation Cancel)
21. Turning Operations Program
22. Facing
23. Straight Turning
24. Taper Turning


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25. Drilling
26. Boring
27. Grooving
28. Threading

Unit: 5. Machine Setup For CNC Lathe

1. Mounting Procedure Of OD Turning Tool In Turret
2. Mounting Procedure Of Boring Bar In Turret
3. Jaw Boring Procedure On CNC Lathe
4. Work piece Loading On CNC Lathe
5. Assessment-Machine Setup For CNC Lathe

Unit: 6. Offset Process On CNC Lathe

1. Work Zero Offset Process On CNC Lathe
2. Tool Offset Process On CNC Lathe
3. X Offset Process
4. Z Offset Process
5. Tool Nose Direction Number On CNC Lathe
6. Assessment-Offset Process On CNC Lathe

Unit: 7. Coordinate System For VMC

1. VMC Axes
2. Coordinates Of Flat Work piece On VMC
3. Assessment-coordinate system for VMC

Unit: 8. Basics Of Machining Center Programming

1. Codes Used For Machining
2. Program Overview
3. G Codes (Preparatory Codes)
4. G Codes-Part1 (Preparatory Codes)
5. G Codes-Part2 (Preparatory Codes)
6. G Codes-Part3 (Preparatory Codes)


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7. M Codes (Miscellaneous Codes)
8. Program Sequence In Machining Center (VMC)
9. Interpolation
10. G00 (Rapid Traverse)
11. G01 (Linear Interpolation)
12. G02 (Circular Interpolation In Clockwise Direction)
13. G03 (Circular Interpolation In Clockwise Direction)
14. Cutter Radius Compensation In Machining
15. G41 (Tool Nose Radius Compensation Left)
16. G42 (Tool Nose Radius Compensation Right)
17. G40 (Tool Nose Radius Compensation Cancel)
18. Automatic Reference Point Return (G28)
19. Tool Length Compensation Positive Direction (G43)
20. Return To Initial Level G98
21. Return To R Level G99
22. Canned Cycles
23. Spot Drilling Cycle - G81
24. Counter Boring Cycle - G82
25. Peck Drilling Cycle - G83
26. Tapping Cycle - G84
27. Reaming Cycle - G85
28. Fine Boring Cycle - G76
29. Canned Cycle Cancel - G80
30. Assessment-Basics Of Machining Center Programming


Unit: 9.Machine Setup For VMC

1. Mounting Procedure Of Cutting Tools On VMC Work piece Loading On VMC

Unit: 10.Offset Process On VMC

1. Work Zero Offset Process On VMC
2. Tool Offset Process On VMC
3. Assessment-Offset Process On VMC

Final Assessment-CNC Programming And Machining


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Department: MECH

Academic Year: 2017-2018

Name of the Program: CNC Programming and Manufacturing

List of Students Enrolled / Completed: 76

SNO	Name of the Student
1	Venkata Sainath Reddy Byreddy
2	Akhil Varma Budagam
3	Saikrishna Bokka
4	Ranadeep Babu Bhattu
5	Bharadwaj Chindu
6	Bhagya Raju Mocherla
7	Beulah Grace Betsy Putta
8	Srikanth Beeragopu
9	Ajay Babu Bhattu
10	Naga Mallesh Bangaru
11	Gopi Srinivas Naik Badavathu
12	Babji Choppa
13	Sriram Bethapudi
14	Subhash Ratan Ayinaparthi
15	Siva Naga Lakshmi Avutupalli
16	Aravind Veerla
17	Anudeep Aremanda
18	Venkata Sharan Aakula
19	Ajay Kumar Tarigopula
20	Abdul Jabbar Syed
21	Siva Santhosh Aarani
22	Wahed Abdul
23	Sivasankar Akkini
24	Vasudeva P
25	Naga Venkata Siva Sai Kumar Odhuri
26	Nikil Babu Gone
27	Narendra Chithirala
28	Narendra Babu Bezawada
29	Vamsi Krishna Neeli
30	Srikanth Nayudu
30	Mouli Naga Ramesh Padam
32	Syam Sundar Motrapu
33	Mobeen Mohammed


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34	Sai Prakash Mogili
35	Simhachalam Maradani
36	Ganeswara Rao Mamidi
37	Sunil Madasu
38	Sunny Abhishake Mathangi
39	Lalith Rahul Lanka
40	Lalith Anand Muthamsetti
41	Lakshmi Rohith Gummadi
42	Lakshman Yerramsetty
43	Janaki Lankapalli
44	Srinivas Ummaneni
45	Venkata Sudheer Thanikonda
46	Srinu Sreeramredy
47	Venkata Durga Pavan Kumar Saikam
48	Suresh Babu Popuri
49	Gireesh Rahul Sai Thokala
50	Veerendra Kumar Sarvasiddi
51	Sri Krishnakanth Seelam
52	Veda Annammayya Vemu
53	Sai Vamsi Vannamerreddi
54	Ramesh Vellpula
55	Sreeram Yelineedi
56	Vinay Peetala
57	Durga Prasad Palla
58	Suneel Kumar Pathuri
59	Kiran Kumar Indupalli
60	Teja Khambam
61	Sunil Kumar Karri
62	John Sam Sundar Gotikala
63	Rama Manikanta Dondapati
64	Varun Komera
65	Rahul Varma Kakarlapudi
66	Siva Venkatesh Karimikonda
67	Tarun Teja Ganji
68	Sivannarayana Erapani
69	Srinivas Chadawalawada
70	Tirumala Chandramouli Chukka
71	Sateesh Chokkapu
72	Janaki Muram



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73	Isaac Manohar Munimekala
74	Hema Vinodh Vangipurapu
75	Gulam Mohammed
76	Simon Swaroop Golla

➤ Exam

Assessment Procedures

Report Of Certification Course

An extensive certification course on '**CNC Programming and Manufacturing**' was conducted for 3rd & 4th year MECH students from **01st December 2017 To 05th January 2018**. The program aimed at imparting the basics of programming, machining, fitting, engineering drawing and quality control to the students and also some of the advanced concepts which are not there in the curriculum.


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DEPARTMENT OF MECHANICAL ENGINEERING												
S.No	Name of the student	10.07.2017	11.07.2017	12.07.2017	13.07.2017	14.07.2017	15.07.2017	17.07.2017	18.07.2017	19.07.2017	20.07.2017	21.07.2017
1	Beulah Grace Betsy	P	P	A	A	P	P	P	P	P	P	P
2	Janaki	P	P	P	P	A	P	A	P	P	P	P
3	Abel Jabbhar	P	P	P	P	P	P	P	P	P	A	P
4	Ajay Kumar	P	P	P	A	P	P	P	P	P	P	P
5	Anudeep	P	P	P	P	P	P	P	P	P	P	P
6	Aravind	P	P	P	P	P	P	P	A	A	P	P
7	Baji	P	P	A	P	P	P	P	P	P	P	P
8	Bhagya Raju	P	A	P	P	P	P	P	P	P	P	A
9	Bharadwaj	A	P	P	P	P	P	P	P	P	P	P
10	Gireesh Rahul Sai	P	P	A	P	A	A	A	P	A	P	P
11	Gulani	P	P	P	A	P	P	P	P	P	P	P
12	Hema Vinodh	P	P	P	P	A	P	A	P	P	P	P
13	Isaac Manohar	P	A	P	P	P	P	P	P	P	P	P
14	Lakshman	A	P	P	A	A	P	A	P	A	P	A
15	Lakshmi Rohith	P	P	P	A	P	A	P	P	P	P	A
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18	Mouli Naga Ramesh	P	P	P	A	P	P	P	P	P	P	A
19	Narendra	P	P	P	P	P	P	P	P	P	P	P
20	Narendra Babu	P	P	P	A	P	P	P	P	P	P	A
21	Nikhil Babu	P	P	P	P	P	P	P	P	A	P	P



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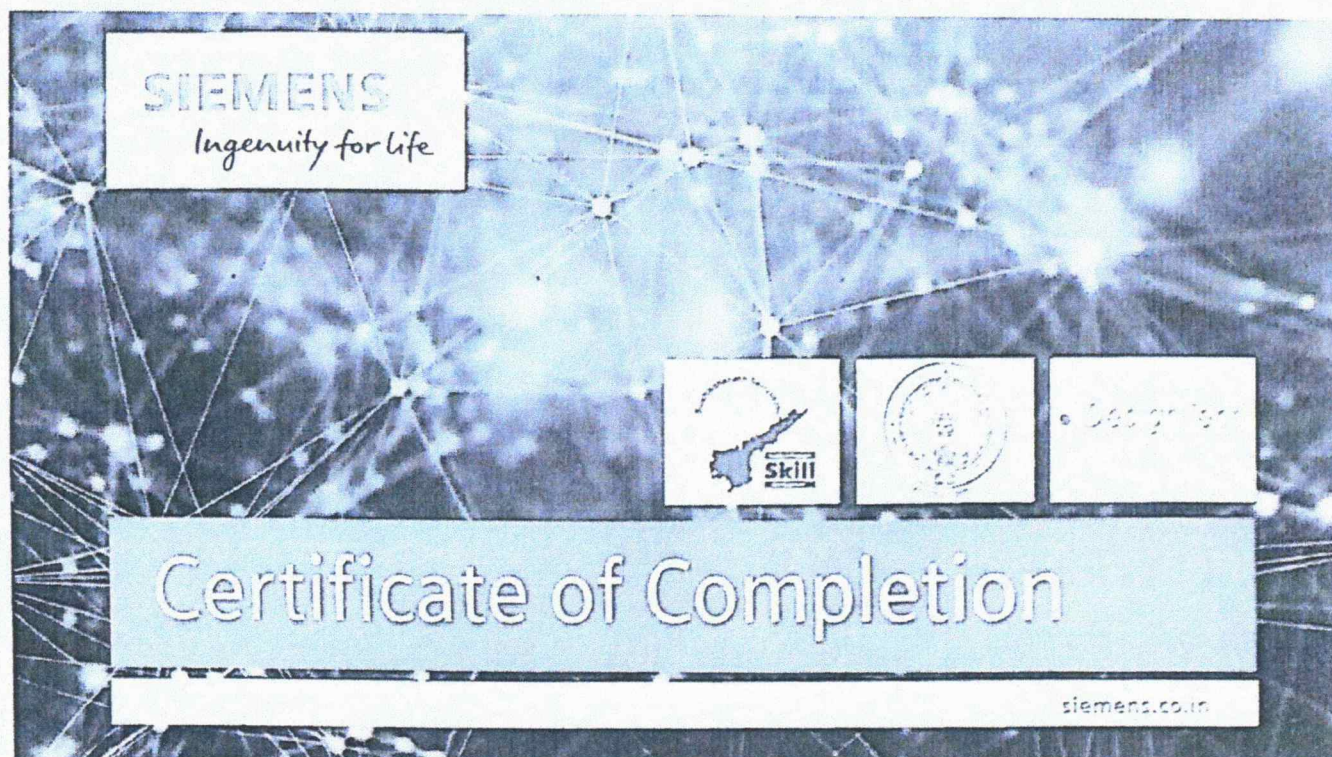
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DEPARTMENT OF MECHANICAL ENGINEERING													
S.No	Name of the student	22.07.2018	23.07.2018	10.08.2018	13.08.2018	14.08.2018	16.08.2018	17.08.2018	18.08.2018	20.08.2018	21.08.2018	22.08.2018	23.08.2018
1	Beckan Grace Betsy	P	P	P	P	P	P	P	P	P	P	P	P
2	Janak	P	P	P	P	P	P	P	P	P	P	P	P
3	Abdul Jabbar	P	P	P	P	P	P	P	P	P	P	P	P
4	Ajay Kumar	P	P	P	P	P	P	P	P	P	P	P	P
5	Anudeep	P	P	P	P	P	P	P	P	P	P	P	P
6	Anavind	P	P	P	P	P	P	P	P	P	P	P	P
7	Babji	P	P	P	P	P	P	P	P	P	P	P	P
8	Bhagya Raju	P	P	P	P	P	P	P	P	P	P	P	P
9	Bharadwaj	P	P	P	P	P	P	P	P	P	P	P	P
10	Gireesh Rahul Sai	P	P	P	P	P	P	P	P	P	P	P	P
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12	Hema Vinodh	P	P	P	P	P	P	P	P	P	P	P	P
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14	Lakshman	P	P	P	P	P	P	P	P	P	P	P	P
15	Lakshmi Rohith	P	P	P	P	P	P	P	P	P	P	P	P
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17	Lalith Rahul	P	P	P	P	P	P	P	P	P	P	P	P
18	Mouli Naga Ramesh	P	P	P	P	P	P	P	P	P	P	P	P
19	Narendra	P	P	P	P	P	P	P	P	P	P	P	P
20	Narendra Babu	P	P	P	P	P	P	P	P	P	P	P	P
21	Nikil Babu	P	P	P	P	P	P	P	P	P	P	P	P

SIGN OF THE COURSE COORDINATOR



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bearing number **SPLM/AP-SSDC/10935** has successfully
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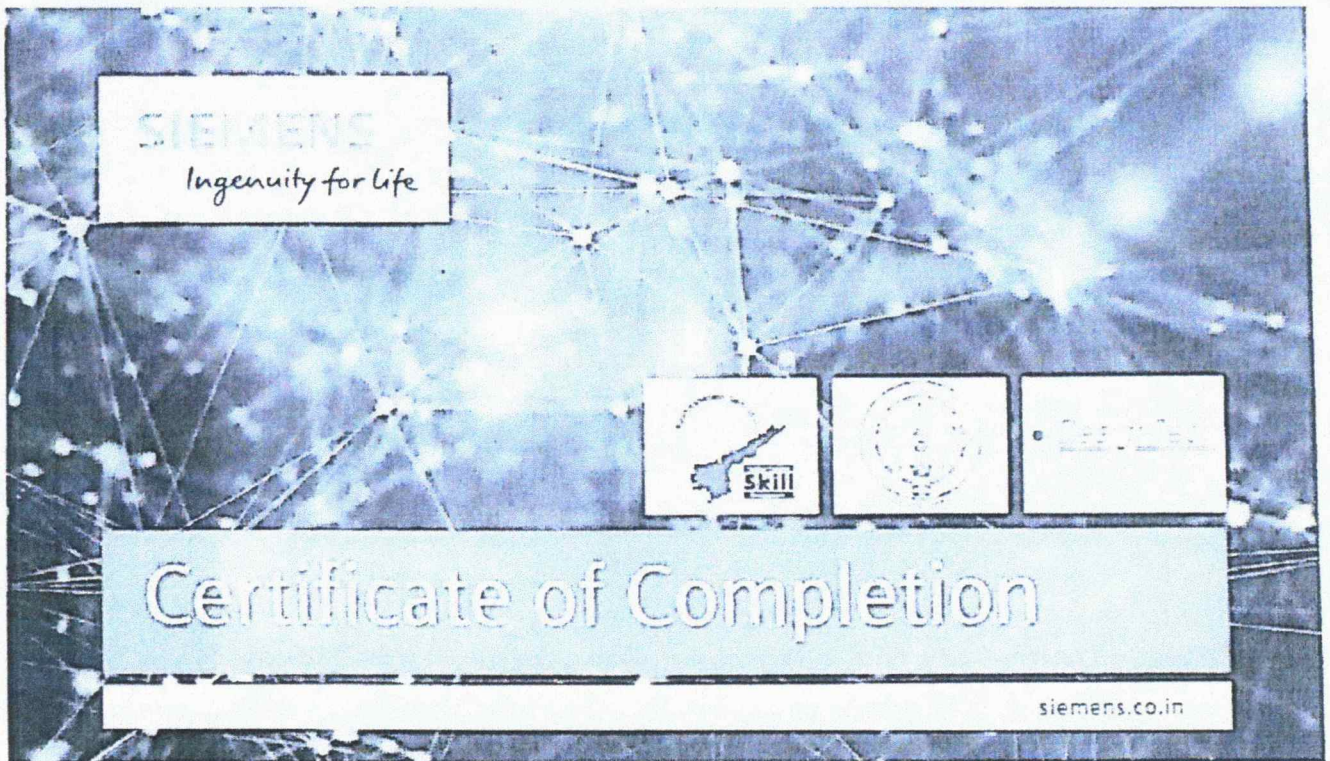
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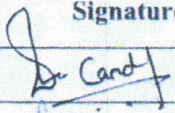



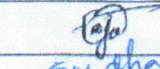

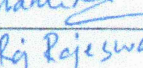
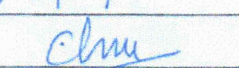
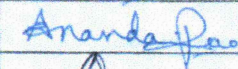
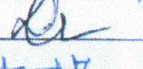
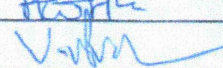
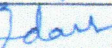

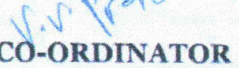

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MINUTES OF MEETING

PLACE OF MEETING: Conference Hall

DATE: 9-7-2017

The meeting was conducted for the faculty who participated in a 10-day teacher training programme on the "Andhra Pradesh Higher Education English Communication Skills Project", in collaboration with the "British Council" at "Andhra Loyola Institute of Engineering and Technology". The agenda of the meeting was to motivate the faculty about the teacher - trainer Programme course on "British Council by APSCHE" to be conducted for the students.

S.No	Name of the Faculty	Designation	Signature
1	Sr CANDY D'CUNHA	ASST.PROF	
2	VIJAY SWAPNA GURUVINDAPALLI	ASST.PROF	
3	KALPANA KONDA	ASST.PROF	
4	PRANOB KUMAR CHARLES	ASST.PROF	
5	G. ROOPA KRISHNA CHANDRA	ASST.PROF	
6	RAJU KOLETI	ASST.PROF	
7	NAGA SUDHA RANI. B	ASST.PROF	
8	MANEESHA .G	ASST.PROF	
9	RAJA RAJESWARI. D	ASST.PROF	
10	CHAMUNDESWARI. P	ASST.PROF	
11	ANANDA RAO .M	ASST.PROF	
12	DYVA KRUPA .N	ASST.PROF	
13	HARISH .G	ASST.PROF	
14	PRABHAKARRAO.V.V	ASST.PROF	
15	UDAY KIRAN.D	ASST.PROF	


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**LEARN ENGLISH SELECT FACE-TO-FACE COURSE
LEVEL A1
TEACHER'S BOOK**

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LEARN ENGLISH SELECT FACE-TO-FACE COURSE LEVEL A2 TEACHER'S BOOK

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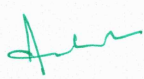
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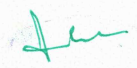
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Report on Seminar/Conference/Workshop conducted

Title: A 10-day teacher training programme on the Andhra Pradesh Higher Education English Communication Skills Project, in collaboration with the British Council was effectively organised at **Andhra Loyola Institute of Engineering and Technology**.

Date(s): 10th -14th July, 2017(Block I) and from 24th -28th July, 2017(Block - II),

Preamble:

The Department of English organized the programme effectively. The members of the management, Rev. Fr. Dr. A. Francis Xavier the Director, Dr. O. Mahesh the Principal and Rev. Fr. M.L. Thomas the Asst. Director made all the necessary arrangements for the smooth functioning of the programme.

Participant's Profile:


There were altogether 16 participants for the teacher training programme, out of which 14 were from ALIET and 2 from Mandava Engineering College.

Description about the Program:

A 10-day teacher training programme was conducted as per APSHE and scheduled into 2 blocks of 5 days each, from 10th -14th July, 2017(Block I) and from 24th -28th July, 2017(Block - II), respectively. There were altogether 16 participants for the teacher training programme, out of which 14 were from ALIET and 2 from Mandava Engineering College.

The main aim of the course was to impart useful communicative teaching strategies and methods through various learner-centred techniques, like collaborative learning activities, elicitation that would sharpen and develop the four language skills of the learners, etc.


Dr. Madhuri Vajha from Krishna University and Mrs. Sree Lakshmi Peesapati of Sri Chaitanya College, Chuttugunta were appointed as Master Trainers for this programme. The teacher-training programme was conducted successfully during all the 10 days. The high level of motivation and pedagogical awareness on the part of the master-trainers led to strong enthusiasm and a climate of joyful learning experience to the participants. Everyone, with no exception, actively participated and benefited from the programme. The well-designed materials provided by the British Council served as a platform for the teachers to improve their teaching methodology. The participants are now eagerly looking forward to train up students for 100 hours (Face to Face) and 50 hours (Online) and help them to become proficient and competent in English and employability skills.


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Feedback: The FDP programme was of a great help for the faculty members of all the streams. The participants expressed that the new techniques and methods of teaching could be easily incorporated by them in their teaching. The pedagogical implications could make the classes lively and meaningful.

Future Perspectives: We could like to conduct FDP's on various topics for the staff and students so that the a quality of teaching and learning can be enhanced.


Submitted by: Dr.Sr. Candy D'Cunha, Associate Professor




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Student Details


<u>SNO</u>	<u>Name of the Student</u>
1	ABHIGNA RACHANA
2	ABHINAV NILIKIL
3	ABHIRAM NATTE
4	ABHISHEK
5	ACCHI
6	ACHYUTH RAJ KUMAR SATHVIKA
7	ADITHYA VADAPALLI
8	ADITHYA VENKAT SOWJANYA
9	AJJAMPUDI
10	AKULA POOJITHA
11	AMMAM PADMA
12	ANISH LAKSHMI
13	ANITHA
14	ASHA
15	ASMATHUNISSA
16	ATLA KALYANAM DIVYA
17	AVIRNENI NAMBURI SITARAM
18	AYODHYA
19	BALAGA MINESH NAG
20	BANDAPALLI
21	BHANU SREE NIKHIL
22	BHARATH KUMAR DOPPALA
23	BHARGAV E
24	BHATTARAM SHRAVAN KUMAR
25	BHAVAN KUMAR
26	BICHAPOGU KAGITA
27	BINGINAPALLI MUTYALA
28	BODAPATI
29	BOPPA JAMIMA
30	CHAITANYA PRANEETH NADIMPALLI
31	CHANDANA SAI MADHAV SARTHIK
32	CHANDRA SEKHAR CHINTALACHERUVU
33	CHATRATI
34	CHATTI RAGHUPATRINI SAI SANKAR RAO
35	CHEEMALA OMPRAKASH REDDY
36	CHELLURI PARDHASARADHI


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37	CHERUVU BHARATHI
38	CHITTELA
39	DASARI KALAPALA GEETHA
40	DHARMA SOWJANYA
41	DIVYA KATIKALA
42	DIVYA NAGA SRI PRIYANKA MATLAPUDI
43	DO KOYYAGURA
44	ESWAR PRASAD PRATHIPATI
45	FARHANA SINGAREDDY BALA PRAVALI
46	FARHEEN
47	GAJJALA P SUKANYA
48	GARIKINA
49	GAYATHRI
50	GEETHIKA LAKSHMI
51	GODAVARTI
52	GOLAGANA SAI KANTH
53	GOLLAMANDALA MOUNIKA PRATYUSHA
54	GUDETI GOPI CHAND
55	GUNTURI MRUNALI
56	GURINDAGUNTA
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58	HEMALATHA
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62	JAHNAVI
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64	JASWANTH
65	JATANGI RACHANA
66	JAYASRI
67	K DIVYA RANI
68	K NAVYA PRAKEERTH
69	K P D ANJANI KUMAR
70	KAGITA
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82	KATTA CHANDRA SEKHAR
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84	KEERTHI NIMMAKURI
85	KEERTHI
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87	KONDEPOGU MOSES PREMANAND
88	KONDUR P VENNELA SRI
89	KONERU
90	KOPPATI MOHANA SRINIVAS
91	KRISHNA
92	KUNAPAREDDY
93	KURAPATI TIRUMALA N SRINIVASU
94	KUCHIBATLA K NAVYA
95	KURRA CHINTHALACHERUVU JOSHUA
96	LAKSHMI KAVYA
97	LAKSHMI
98	LAVETI
99	LEELA SRIVALLIDEVASENA
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103	MADELA KARTHEEK
104	MADHAV SARTHIK RAVI CHANDRA
105	MADHURI MADDALI
106	MAJETI V N S K ANNAPURNA SADHIKA
107	MALLA
108	MANIKANTA SINGAREDDY BALA PRAVALI
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138	PADALA ABHIJNA
139	PADMA BONDILI
140	PADMA
141	PAILA KALYAN KUMAR
142	PATCHIPALA K NAVYA
143	PAVAN KUMAR
144	PAVAN MANIKYA VAMSEE
145	PEDDI HAREESH KUMAR
146	PHANI KOLIPAKULA
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153	PRIYANKA ASHA



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168	RENUKA
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178	SAIDIVYA
179	SATHVIKA JONNALA
180	SATISH ONTERU
181	SATYA SRI ASMATHUNISSA
182	SATYADEVI KARRI BRAMARA SRI PUJITHA
183	SHAIK FAROOQ
184	SHARON KUMAR KARRI BRAMARA SRI PUJITHA
185	SIDDARTHA GAMINI
186	SINGAREDDY BALA AREY
187	SINGAREDDY BALA PRAVALI IRAGALA
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209	THANMAI K NAVYA
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211	THUMMA MARY LAVANYA
212	TIRUMALA N SRINIVASU
213	TUNKIPATI KALAPALA GEETHA
214	UMA DEVI P SUKANYA
215	VAMSEE TANUJA
216	VARANASI TULASI SAI SURENDRA
217	VASIREDDY CHINTHALACHERUVU JOSHUA
218	VELCHURI
219	VENKATA SAI GURUNADA RAO GURRAM
220	VENKATA SAI SIVA KUMAR VATSAVAI
221	VENKATA SUMANJALI
222	VENKATA
223	VINAY KUMAR CHATTU
224	VINEETHA
225	VUNDI KUNAPAREDDY
226	VYJAYANTHI
227	YANNA DIVYA
228	YARRAMSETTY LAKSHMAN
229	YARRAMSETTY RAMU
230	YENUMULA JAHNAVI
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FACULTY NAME: Sr. Candy D Cunha
ACADEMIC YEAR: 2017-18

BRANCH: S & H.
SUBJECT: British Council

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ACADEMIC YEAR: 2017-18

MONTH & DATE

SIGNATURE

S.NO.	REG. NO.	STUDENT NA
1		Preethika
2		Prema kur
3		Priyanka P
4		Priyanka Natter
5		Priyanka Nambu
6		Priyanka
7		Puvvula
8		RVH N Sash
9		Rachana
10		Raja dinesh
11		Raja Neehas
12		Raja Raviva
13		Rajesh
14		Ram Manoj
15		Ramya
16		Ravali Padm
17		Ravi Kumar
18		Renuka
19		Riyaz Akula
20		Sai chayan
21		Sai Geethika
22		Sai Naga tra
23		Sai Raj Kumar
24		Sai Sobhana P
25		Sai Sri Laksh
26		Sai Teja Swa
27		Sai Varraman
28		Saidiyya
29		Sathvika Jo
30		Satish ort
31		Satya Sri As
32		Sat yadevi Sri
33		Shaik Faroo
34		Sharon kumar ka
35		Si dd astha
36		Singareddy ka
37		Singareddy bale
38		Sireksha

Dr Candy

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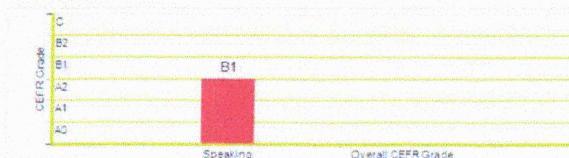
Candidate Report

Candidate Name: ABHIGNA RACHANA Test Date: 27/12/2018
Organization: AP Project Andhra Loyola Institute of Engineering and Technology Test Package: Aptis General - Speaking

Scale Score

Skill Name	Skill Score
Speaking	33/50
Final Scale Score	33
Grammar and Vocabulary	29/50

CEFR Skill Profile



Please turn over for CEFR Skill Descriptors

CEFR Skill Descriptors

Listening

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can follow speech which is very slow and carefully articulated, with long pauses for him/her to assimilate meaning.
A2	Can understand enough to be able to meet needs of a concrete type provided speech is clearly and slowly articulated.
B1	Can understand straightforward factual information about common everyday or job related topics, identifying both general messages and specific details, provided speech is clearly articulated in a generally familiar accent.
B2	Can understand the main ideas of propositionally and linguistically complex speech on both concrete and abstract topics delivered in a standard dialect, including technical discussions in his/her field of specialisation.
C	Has no difficulty in understanding any kind of spoken language, whether live or broadcast, delivered at fast native speed.

Reading

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can understand very short, simple texts a single phrase at a time, picking up familiar names, words and basic phrases and rereading as required.
A2	Can understand short, simple texts on familiar matters of a concrete type which consist of high frequency everyday or job-related language.
B1	Can read straightforward factual texts on subjects related to his/her field and interest with a satisfactory level of comprehension.
B2	Can read with a large degree of independence, adapting style and speed of reading to different texts and purposes, and using appropriate reference sources selectively.
C	Can understand and interpret critically virtually all forms of the written language.

Speaking

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can produce simple descriptions on mainly personal topics.
A2	Can give a simple description or presentation of people, living or working conditions, daily routines likes/dislikes, etc. as a short series of simple phrases and sentences linked into a list.
B1	Can reasonably fluently sustain a straightforward description of one of a variety of subjects within his/her field of interest, presenting it as a linear sequence of points.
B2	Can give clear, systematically developed descriptions and presentations on a wide range of subjects related to his/her field of interest, with appropriate highlighting of significant points, and relevant supporting detail.
C	Can produce clear, smoothly flowing well-structured speech with an effective logical structure which helps the recipient to notice and remember significant points.

Writing

A0	Not enough to allow for any meaningful inferences about the candidate's ability.
A1	Can write simple isolated phrases and sentences.
A2	Can write a series of simple phrases and sentences linked with simple connectors like 'and', 'but' and 'because'.
B1	Can write straightforward connected texts on a range of familiar subjects within his field of interest, by linking a series of shorter discrete elements into a linear sequence.
B2	Can write clear, detailed texts on a variety of subjects related to his/her field of interest and shows an ability to use different registers within written texts.
C	Can write clear, smoothly flowing, complex texts in an appropriate and effective style and a logical structure which helps the reader to find significant points.

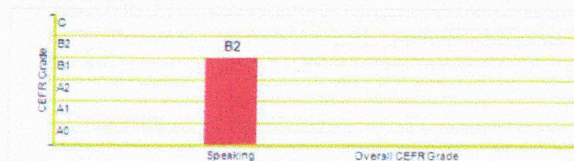
Candidate Report

Candidate Name: **ABHINAV NILIKIL** Test Date: **27/12/2018**
Organization: **AP Project** Test Package: **Aptis General - Speaking**
Andhra Loyola Institute of Engineering and Technology

Scale Score

Skill Name	Skill Score
Speaking	43/50
Final Scale Score	43
Grammar and Vocabulary	27/50

CEFR Skill Profile



Please turn over for CEFR Skill Descriptors

CEFR Skill Descriptors

Listening

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Writing






















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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA-8
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
CERTIFICATION DETAILS

MINUTES OF MEETING

Date: 24-03-2024

The meeting was conducted in the department of ECE. The agenda of the meeting was to discuss about the "Certificate course" and student active participation. Resolved to conduct the following courses: PB DESIGNING AND MANUFACTURING

SNO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1	M. RAVIA KRISHNA	Assoc. prof	
2	S. M. S. LIKARJUNA RAO	Asst. Prof	
3	M. K. PRASANATHI JASMINE	Asst. Prof	
4	D. G. V. HARI PRASAD	Prof	
5	R. SATHI KIRAN	Asst. Prof	
6	P. BOSE BABU	Asst. Prof	
7	T. LAKSHMI NARAYANA	Asst. Prof	
8	G. ROOPA KRISHNA CHANDRA	Asst. Prof	
9	G. R. V. S.	Asst. Prof	
10	P. KOTESWARA RAO	Asst. Prof	
11	V. PAVAN KUMAR	Asst. Prof	
12	N. B. L. H. BABU	Asst. Prof	
13	G. V. S. K. KUMAR	Asst. Prof	
14	K. APPALA RAJU	Asst. Prof	
15	M. KRISHNA MOHAN	Asst. Prof	
16	K. N. NIVASA RAO	Asst. Prof	
17	M. RAVIA KRISHNA	Asst. Prof	
18	E. V. L. NAGINI	Asst. Prof	
19	K. JAMA RAO	Asst. Prof	
20	C. P. RANOB KUMAR	Asst. Prof	
21	A. ABDUL AZEEM	Asst. Prof	

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22	MOHAMMAD HAIG	Ans. Prof	600g
23	K. RAVI KIRAN	Ans. Prof	600g
24	B. BALAJI	Ans. Prof	600g
25	P. BHANI PRIYANKA	Ans. Prof	600g
26	M. HEMA	Ans. Prof	600g
27	A. AZEEZ	Ans. Prof	600g

SIGNATURE OF THE HEAD OF THE DEPARTMENT

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VIJAYAWADA-520006

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VIJAYAWADA-520006

Title of the Certification: PCB Designing & Manufacturing **Year: II**
Faculty Name: G.Ravi **Academic Year:** 2017-2018

28/08/2017

UNIT1:

- Introduction about the P.C.B (Printed Circuit Board)
- Explanation about the terms like copper foil, Art work silk screen, solder mask etc., related to P.C.B
- Understanding the steps and processes involved in making P.C.B The processes are namely tinning drilling and etching

29/08/2017

UNIT2:

- The type of P.C.B such as single sided P.C.B, printed through hole and multilayer
- Introduction about P.C.B and proceeds to the software part Three projects and their related circuits.
Project 1:-design and develop 5 volts regulated power supply
Project2:- design and develop a simple 555lc base Astable multi vibration
Project:-3 temperature controlled fan using LM 393 comparator

30/08/2017

UNIT3:

- Explanation about the designing of P.C.B circuit in P.C.B wizard software
- The process of designing the circuit.

UNIT4:

- Developing the schematics of circuit design using industrial standard editor
- Auto routing of Circuit Design in P.C.B software practically

31/08/2017

UNIT5:

- Illustration about the printing of circuit on the P.C.B
- Demonstration of the process of printing the circuit an P.C.B's
- PCB Manufacturing process: Preparing Art work, Circuit printing, chemical etching, Soldering mask and legend printing, Drilling, Tinning and Placement of components.

01/09/2017

UNIT6:

- After completion of theoretical session, two projects namely Astable Multi vibrator and Temperature controlled Fan have to be done by the students.
- Finally soldering and testing of sample projects.


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Department: ECE

Academic Year: 2017-2018


Name of the Program : PCB Designing & Manufacturing

List of Students Enrolled / Completed: 141

SNO	STUDENT NAME
1	CHINTHAKUNTA AMULYA
2	MURARI BHANU SREE
3	GONE DEEPTHI
4	RAVURI DIVYA SAI LAKSHMI
5	NETI HEMA VENKATA SYAMALA KAMESWARI
6	AMMAM JAYA APURVA RANI
7	KALLURI JYOTHI PRIYA
8	KOKKILIGADDA KAVYA
9	PATCHIPALA KUNDANASRI
10	GAJJALA MALLIKA
11	EDE NANDINI
12	KALABATHULA NIKITHA
13	SEELAM PREETHI
14	CHATTI PRIYANKA
15	VINNAKOTA PRIYANKA
16	SINGARAJU RAMYA
17	NADAKUDURU RAMYA SRI
18	DEVIREDDY RENUKA
19	GUDIKANDULA RUCHITHA
20	VADLAMUDI SAI DIVYA


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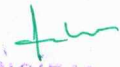
21	MANDAPAKA SAI TEJASWI
22	YANDAPALLI SIRISHA
23	KOTTE SRI LAKSHMI PRASANNA
24	KADIYALA SRILAKSHMI
25	ALAPATI SRILALITHA
26	TUMATI SUNANDA
27	NALLANUKALA VENKATA KRANTHI
28	YASMEEN
29	PAPPU ABHISHEK
30	NALLAPU ANJI REDDY
31	KOTHURI BEZALEEL JOSHUA
32	K BHASKARA SUBRAHMANYA DURGA SAI PRANEETH
33	TATI BHIMESWARA ANJANEYA PRASAD
34	PALLEPOGU CHRIS PETER
35	CHODISETTY DHEERAJ
36	VENNA ESWAR PRASAD REDDY
37	CHITIMADHA GIRIVARDHAN
38	MOHAMMED ISMAIL
39	SEELAM JAYA RAM REDDY
40	AYODHYA JITENDRA PRASAD
41	MYLA KUMAR ADITHYA
42	TALARI MURALIKRISHNA
43	KATA NAGA HARSHA
44	PRATHIPATI NOBLE


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45	BANDARU RAGHAVULU
46	KOORAPATI RAJA RAVI VARMA NAIDU
47	KONDA RAMAKRISHNA
48	VADLAMUDI RAVI CHOWDARY
49	LAKAMTHOTI RAVI TEJA
50	AKULA SAI CHARAN
51	D SAI KUMAR T
52	SAMUDRAPU SAIDEEP
53	VANGARA SIVA LAKSHMANA SAI PRATAP
54	CHANDU SRI VENKATA NAGA SAI KISHORE
55	PALLA VIJAY KUMAR
56	JANGA VIJAY KUMAR
57	JAKKIDI VISHNUGOVARDHAN REDDY
58	CHAVA YUVA RAJU
59	MALLADI PUJITHA SAI KRISHNA CHAITANYA
60	NAKKA SALMON RAJU
61	SINGAMPALLI LALITHA
62	JANAPATI PARIMALA
63	KOLLATI SRIRAMYA
64	MONDI THOKA SIRISHA
65	MOHAMMAD SHEHANA ZUNNISA
66	VALLE KAVYA
67	MADDALA SUSMITHA
68	SHAIK RAJIYA SULTHANA


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69	MUTYALA ANIL KUMAR
70	PEDAPUDI RAJENDRA KUMAR
71	REDAPONGALA MADHUBABU
72	KOPPANATHI VENKATESH
73	NAGIREDDY AVINASH
74	EEDA AMULYA
75	DURISETI ANUSHA
76	ARIGE BHARGAVI
77	REVALLA BHAVANI
78	GURINDAPALLI BLESSY
79	SHAIK JASMINE SULTANA
80	OGGU JASWANTHI
81	RAVI SURABHI JYOSTNA ROJA
82	EARGAMREDDY KEERTHI
83	NAKKA MEGHANA
84	MANCHALA MEGHANA
85	UDDANTI NAGA KAVYA
86	DOKKU NAGA SANDHYA RANI
87	KOPANATHI PRATHYUSHA
88	PUVVULA PRIYADARSINI
89	CHAPPA PUJITHA
90	KOLLI RATNA GEETHICA
91	SHAIK REHNA SULTHANA
92	PIDATHALA SAI RANI


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93	SHAIK SAJEEDA
94	PENUMALA SOUMYA
95	SIDDIREDDY SRI SWETHA
96	DAGGUBATI SUNITHA
97	KODURU VASANTHI
98	VEMULA VEERA NAVYA TEJA
99	PATTI VIJAYA LAKSHMI
100	SANTHI ADITYA
101	PAGIDIPALLI AJAY KRISHNA
102	VALLURI AJITH
103	PINUPOTHU ANANTH KUMAR
104	RUDRAPAKA BHARGAVA RAMA SAI PAVAN
105	BODAPATI CHANIKYA
106	MANDA CHIRUNJEEVI
107	KANUMURI DINESH BABU
108	SANKULA DURGA SAI SUBRAMANYA CHAKRI
109	VENKATA GOWTHAM SETTIPALLI
110	SHAIK MAHABOOB SUBHANI
111	DASARI MAHENDRA
112	DANYASI MANISH KUMAR
113	MOHAMMED SALUL
114	KARAKULA MOHAN GOPALA KRISHNA
115	KONKA PAVAN KUMAR
116	IDAMAKANTI PRAVEEN KUMAR REDDY


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117	RAGHURAM REDDY BADAM
118	CHERUKURI RAKESH KUMAR
119	KONGARA RAVI SAI TEJA
120	PAVULURI RITISH KUMAR
121	JONNADULA SAI VENKATA SATYANARAYANA
122	VEERAMACHANENI SAI VIVEK
123	CHITAMATA SIVA SAI TEJA
124	PEDDIREDDY TARUN SAI
125	KATARI VAMSI GOPI KRISHNA
126	SESHADRI VENKATA RAKESH KUMAR
127	NALLURI VINAYKUMAR
128	KOKKERAGADDA YASHWANTH
129	SHAIK YUSUF VIDYA SAGAR
130	KOLAKALURI VIJAYALAKSHMI
131	KATHILI JYOTHI
132	PRODUTURI BAJIBI
133	PEDAPUDI HEMALATHA
134	BONTHU DHANYA
135	VARITHA DIVYA
136	SUDDAPALLI YASHODA
137	KOKKILIGADDA SIVA NAGARAJU
138	PENKE MAHESWARA RAO
139	MURALA SATYA PRAVEEN
140	EEDE VENKATESH BABU


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	141	VALLURI ADISESHU	
<u>Assessment Procedures</u>			
➤ Viva			
<u>Report Of Certification Course</u>			
<p>An extensive certification course on 'PCB Designing & Manufacturing' was conducted for 2nd year ECE students from 28-08-2017 To 01-09-2017. The program aimed at imparting the basics of PCB Designing and soldering to develop a simple PCB .</p>			


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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
VIJAYAWADA - 520 008

FACULTY NAME: G. Ravi
ACADEMIC YEAR: 2017-2018

BRANCH: CEE
SUBJECT: PCB Design and manufacturing

HOUR TAKEN		1	2	3	4	5	6	7	8	9	10	11	12	13	14
MONTH & DATE		2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
SIGNATURE															
S.NO	REG. NO.	STUDENT NAME													
1	1001	CHINTHAKUNTA RAMULU													
2	402	MURARI BHANU SREE													
3	403	GONG DEEPTHI													
4	404	RAVURI DIVYASAI LAKSHMI													
5	405	NETI HEMAVENKATASAMHA													
6	406	AMMAJARA APURVA													
7	407	KALLURAJYOTHI PRIYA													
8	408	KOKKILIGADDA KAVYA													
9	409	PATINIPALA KUNDOORASRI													
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36	437	KUNHAKKAR PRASAD													
37	438	CHITIMADHA GERI VARADHAR													
38	440	MOHAMMED ISHAT													

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HOD SIGNATURE

HOD SIGNATURE

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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Certificate of Course Completion

This is to certify that Mr/Ms/Mrs. CHINTHAKUNTA AMULYA

has participated in a course on “PCB DESIGN AND
MANUFACTURING” conducted from 28th Aug 2017 TO 1st Sept 2017.

Head of the Department

Resource Person

Principal

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Certificate of Course Completion

This is to certify that Mr/Ms/Mrs. MURARI BHANU SREE

has participated in a course on “PCB DESIGN AND
MANUFACTURING” conducted from 28th Aug 2017 TO 1st Sept 2017.

Head of the Department

Resource Person

Principal