

1. Curricular Aspects (100)				
1.1 Curriculum planning and implementation (20)				
1.1.2 Number of certificate/diploma program introduced during last five years (5)				
Program code	Program name	BRANCH	Name of the Certificate/ diploma introduced in last 5 years	Year of introduction
1	Certificate Course	CIVIL	ESR GSR(Design of water tanks)	2018-19
1	Certificate Course	CIVIL	Plaxis (Geo-technical engineering)	2018-19
1	Certificate course	CIVIL	Kanal ++(canal modelling)	2018-19
1	Certificate course	CIVIL	MX Roads	2018-19
4	Certificate course	ECE	E- Tabs	2018-19
4	Certificate course	ECE	Solar PV Systems	2018-19
3	Certificate course	MECH	Robotics & Intelligence Systems	2018-19
3	Certificate course	MECH	3D Printing	2018-19
3	Certificate course	MECH	Catia	2018-19
3	Certificate course	MECH	CNC Programming	2018-19
5	Certificate course	CSE	Sofcon Industrial Automation	2018-19
5	Certificate course	CSE	Python Programming	2018-19

5	Certificate course	CSE	VLSI Design Technology using EDA simulation tools	2018-19
5	Certificate course	CSE	Big Data	2018-19
5	Certificate course	CSE	Python Programming	2018-19
5	Certificate course	CSE	Augmented reality and virtual reality	2018-19
1	Certificate course	CE/MECH	Budget Planning	2018-19
5	Certificate course	CSE	Accounting for Decision-Making	2018-19
5	Certificate course	CSE	Equity stock markets	2018-19
5	Certificate course	CSE	Big data and hadoop	2018-19
5	Certificate course	CSE	Android Application Development	2018-19
5	Certificate course	CSE	Certificate course on video & Image Processing Using MAT LAB	2018-19
4	Certificate course	ECE	Certificate course on VLSI and embedded system design	2018-19
4	Certificate course	ECE	Big data and hadoop	2018-19
4	Certificate course	ECE	Infosys campus connect foundation program	2018-19
5	Certificate course	CSE	ARM7 Controller	2018-19
3	Certificate course	MECH	Certificate course on Robotics	2018-19
	Certificate course	CIVIL	Planning and designing commercial and residential building	2018-19

1	Certificate course	CIVIL	QE PRO(Estimating and Quantity)	2017-18
1	Certificate course	CIVIL	Course of Hit- office (construction ERP)	2017-18
1	Certificate course	CIVIL	RS & GIS	2017-18
1	Certificate course	CIVIL	SCADA	2017-18
1	Certificate course	CIVIL	Solid Works	2017-18
3	Certificate course	MECH	Hyper mesh	2017-18
3	Certificate course	MECH	Robotics	2017-18
4	Certificate course	ECE	Embedded Systems using Raspberry Pi	2017-18
4	Certificate course	ECE	Mobile Application Development	2017-18
4	Certificate course	ECE	Adobe UI/UX	2017-18
5	Certificate course	CSE	RED HAT Cloud Computing	2017-18
5	Certificate course	CSE	Certificate course on video & Image Processing Using MAT LAB	2017-18
5	Certificate course	CSE	E-Commerce	2017-18
4	Certificate course	ECE	Leveraging technology for a better tomorrow	2017-18
4	Certificate course	ECE	Certificate course on internet of things	2017-18
5	Certificate course	CSE	Certificate course on Embedded system and robotics	2017-18

5	Certificate course	CSE	Certificate course on Cloud Computing	2017-18
4	Certificate course	ECE	Block chain technology	2017-18
3	Certificate course	MECH	Machine learning and programming using artificial intelligence	2017-18
5	Certificate course	CSE	Python	2017-18
5	Certificate course	CSE	VLSI Design Technology using EDA simulation tools	2017-18
1	Certificate course	CIVIL	Leadership & Strategic Thinking	2017-18
5	Certificate course	CSE	Infosys campus connect foundation program	2017-18
5	Certificate course	CSE	Cyber security tools	2017-18
3	Certificate course	MECH	Certificate course on Robotics	2017-18
1	Certificate course	CIVIL	3d Home Architect	2016-17
1	Certificate course	CIVIL	Revit	2016-17
5	Certificate course	CSE	Internet Of Things	2016-17
5	Certificate course	CSE	Pro-E	2016-17
5	Certificate course	CSE	Programming using MATLAB and Simulink	2016-17
3	Certificate course	MECH	Artificial Intelligence	2016-17
3	Certificate course	MECH	Machine Learning	2016-17

3	Certificate course	MECH	Crisis Management	2016-17
3	Certificate course	MECH	Equity stock markets	2016-17
3	Certificate course	MECH	Making of an Entrepreneur	2016-17
3	Certificate course	MECH	Desgin Thinking	2016-17
3	Certificate course	MECH	Cyber security tools	2016-17
1	Certificate course	MECH/CSE/EC E	PMP (Project Management Professional)	2016-17
3	Certificate course	MECH	Certificate course on nono technology	2016-17
1	Certificate course	CIVIL	Cerficate course on Quantity Surveying	2016-17
1	Certificate course	CIVIL	Cerficate course on Contract Management	2016-17
1	Certificate course	CIVIL	Project management	2016-17
5	Certificate course	CSE	Cerficate course on Cloud Computing	2016-17
1	Certificate course	CIVIL	3D's Max	2015-16
5	Certificate course	CIVIL	Staad pro	2015-16
5	Certificate course	CSE	PLC & Automation	2015-16
5	Certificate course	CSE	Ansys	2015-16
5	Certificate course	CSE	C++ programming	2015-16
5	Certificate	CSE	Performance Management	2015-16

	course			
1	Certificate course	MECH/CSE/EC E	Management Concepts	2015-16
4	Certificate course	ECE	certificate course on VLSI testing	2015-16
5	Certificate course	CSE	Certificate course on Android Operating System	2015-16
3	Certificate course	MECH	Certificate course on Robotics	2015-16
1	Certificate course	MECH/CSE/EC E	Operations Management	2015-16
1	Certificate course	MECH/CSE/EC E/CIVIL	Marketing Management	2015-16
5	Certificate course	CSE	Certificate course on Android Operating System	2015-16
3	Certificate course	MECH	Certificate course on Robotics	2015-16
1	Certificate course	CIVIL	Certificate course on Contract Management	2015-16
4	Certificate course	ECE	Certificate course on Embedded Systems	2015-16
4	Certificate course	ECE	Certificate course on Embedded Systems	2014-15
5	Certificate course	CSE	Certificate course on Programming Language JAVA	2014-15
3	Certificate course	MECH	Certificate course on Manufacturing process planning	2014-15
1	Certificate course	CIVIL	Certificate course on Structural Analysis and Design	2014-15
5	Certificate course	CSE	Certificate course on internet of things	2014-15
3	Certificate course	MECH	Certificate course on Embedded system and robotics	2014-15

5	Certificate course	CSE	Certificate course on Cloud Computing	2014-15
1	Certificate course	CIVIL	Auto cad	2014-15
1	Certificate course	CIVIL	MATLAB	2014-15
1	Certificate course	CIVIL	Auto Cad	2014-15
1	Certificate course	CSE	JAVA Programming	2014-15
5	Certificate course	CSE	C Programming	2014-15
1	Certificate course	MECH/CSE/EC E	Strategic Management	2014-15
1	Certificate course	MECH/CSE/EC E	Global Financial Markets	2014-15
1	Certificate course	MECH/CSE/EC E/CIVIL	Risk Management	2014-15



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List of uploaded Certificate Programs:

Program code	Program name	BRANCH	Name of the Certificate/ diploma introduced in last 5 years	Year of introduction	Page no:
1	Certificate Course	CIVIL	Plaxis (Geo-technical engineering)	2018-19	7-23
1	Certificate Course	CIVIL	MX Roads	2018-19	24-41
1	Certificate Course	CIVIL	Design of water tanks	2018-19	42-59
1	Certificate Course	CIVIL	Canal modeling	2018-19	60-84
1	Certificate Course	CIVIL	Planning and designing commercial and residential buildings	2018-19	85-103
3	Certificate Course	MECH	Catia	2018-19	104-121
1	Certificate Course	MECH	CNC Programming	2018-19	122-135
1	Certificate Course	MECH	Robotics	2018-19	136-150
5	Certificate Course	CSE	Augmented reality and virtual reality	2018-19	151-156
4	Certificate Course	ECE	Certificate course on VLS and embedded system design	2018-19	157-167
4	Certificate Course	ECE	Certificate course on video & Image Processing Using MATLAB	2018-19	168-179
1	Certificate Course	CIVIL	QE PRO (Estimation And Quantity)	2017-18	180-206
1	Certificate Course	CIVIL	RS&GIS	2017-18	207-223
4	Certificate Course	ECE	Certificate course on Embedded system and robotics	2017-18	224-232
4	Certificate Course	ECE	Embedded Systems using Raspberry Pi	2017-18	233-242

4	Certificate Course	ECE	Certificate course on video & Image Processing Using MAT LAB	2017-18	243-254
4	Certificate Course	ECE	Mobile Application Development	2017-18	255-265
5	Certificate Course	CSE	Internet Of Things	2016-17	266-275
5	Certificate Course	CSE	Python programming	2018-19	276-283
	Certificate Course	MECH	robotics	2016-17	284-294
5	Certificate Course	CSE	Artificial intelligence	2016-17	295-303
5	Certificate Course	CSE	Cloud computing	2016-17	304-309
3	Certificate Course	MECH	robotics	2015-16	310-324
3	Certificate Course	MECH	robotics	2014-15	325-339
3	Certificate Course	MECH	Certificate course on Manufacturing process planning	2014-15	340-353
4	Certificate Course	ECE	Certificate course on Embedded system and robotics	2014-15	354-370



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Department of civil Engineering

Date: 28.09.2018

Ref: 02/AVN/CE

Circular

All the III- B.TECH Students are hereby informed that the department is going to organize a certificate course on "GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D" from 03/10/2018 to 13/10/2018. In association with skyfi labs. Hyd. the interested candidates are informed to register their names in the department office on before 01/10/2018.


HOD-CIVIL

To be read in,

Class room.



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AVNIET/CE/2018-19

DATE: 28.09.2018

From:

MR.PRABHAKAR,

Assistant professor,

Department of CE,

AVNIET-Ibp.

To

The Principal,

AVN Institute of Engineering and Technology.

Hyderabad-501510.

Sir,


Sub: permission for conduct certificate course on "GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D"-Reg:-

We have planned to conduct certificate course on "GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D"- in the academic year 2018-19 for III Year students of civil engineering department from 03/10/2018 to 13/10/2018 Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


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**TRAINING COURSE
GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D
(from 03/10/2018 to 13/10/2018)**

The Civil Engineering Department in the AVN institute of engineering and technology is organizing and hosting short training course on Geotechnical modeling using PLAXIS 2015 software. This 3-day training course will focus on geotechnical modeling using PLAXIS 2D and 3D. PLAXIS is a user friendly computer program that is used worldwide by engineers to investigate practical problems for geotechnical deformations, stability assessment, consolidation analysis, and soil-structure interaction. New features in modeling, calculations, and script environment of recent version PLAXIS 2015 will be introduced. The training main topics will include constitutive laws of stress-strain relations, elastoplastic analysis, consolidation and time-dependent behavior, retaining structures of excavation, slope stability, and analysis of raft foundation, piles and tunnels. Several cases studies studied by PLAXIS will be illustrated.

This training course is targeting graduate students from Civil Engineering. At the end of the training course, each participant will receive an official Certificate of Training authorized by PLAXIS. The training course will be organized at AVN institute of engineering and technology.

Course Coordinator:

Mr.PRABHAKAR

Assistant Professor

The Civil Engineering Department,

E-mail:prabhakarcivil24@gmail.com


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Format & SCHEDULE

Each day consists a morning and an afternoon session. Each session deals with a specific topic and starts with a general presentation followed by an introduction to the practical application and a hands-on computer exercise. At the end of each day, extra time is reserved to complete exercises and to discuss the computational results.

Date	Syllabus
03/10/2018	•Geotechnical Modelling •Mohr-Coulomb Model
04/10/2018	•Hardening soil Model •Cantilevered wall (Exercise)
05/10/2018	•Structural elements •Modelling of excavations in PLAXIS
06/10/2018	•Soil stiffness parameters •Tied-back excavation with HS model (Exercise)
08/10/2018	•Undrained soil behavior •Initial Stresses
09/10/2018	•Factor of safety analysis •Slope instability (Exercise)
10/10/2018	•Geometry and Meshing •Soil behavior in shear
11/10/2018	•Soil behavior in compression •Undrained excavation (Exercise)
12/10/2018	•Groundwater •Consolidation
13/10/2018	•Modelling of embankments in PLAXIS •Modelling of embankments on soft-soil foundation (Exercise) •Master Case (Exercise)

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Report on

Certificate program on GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D

The department of civil has organized a certificate program on **GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D** in association with **Skyfi Labs. Hyd.**

This program was started with an inauguration ceremony by Principal **DRELLAM RAJ** and **Mr. Sunigadi Srinivas** Technical partner, **Skyfi Labs. Hyd.** . On **03/10/2018** at **civil AUTOCAD LAB.**

The session was continued by **Mr. Sunigadi Srinivas** who began with an Introduction to Geotechnical Engineering and **PLAXIS** Software, the session was so interesting to know about new things about Trends and Developments in **PLAXIS** Software.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 50 students of III Year Students of civil department have attended for the session.


Co-ordinator

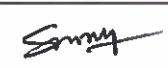



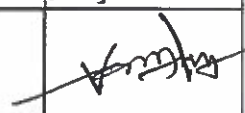

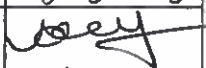
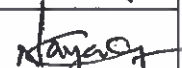
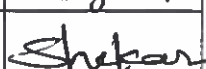
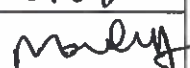
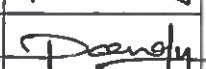

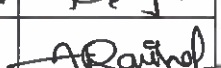

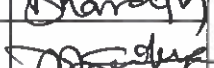

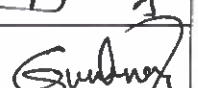

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List of participants:

Name of Program: GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D

S.No	HALLTICKET NUMBER	STUDENT NAME	YEAR	SIGNATURE
1	165U1A0101	ANGOTHU SREENU NAIK	III	
2	165U1A0103	AVANAGANTI RAVINDAR REDDY	III	
3	165U1A0105	BANDAMEDI SAI KUMAR	III	
4	165U1A0106	BOTTU AKHIL KUMAR MUDIRAJU	III	
5	165U1A0107	BUDHARAJU KRISHNA VAMSI VARMA	III	
6	165U1A0109	CHAGALAKONDA YOGESH	III	
7	165U1A0112	CHENREDDY VARSHINI	III	
8	165U1A0113	CHEVULA NAVYA SREE	III	
9	165U1A0115	CHINDAM SHEKAR	III	
10	165U1A0116	DEGALA MAHESH	III	
11	165U1A0117	DHAVANATH PANDU	III	
12	165U1A0118	EDIKUDA RAMAKRISHNA CHARY	III	
13	165U1A0119	GADDAM ARAVIND REDDY	III	
14	165U1A0121	GARKA BHARATH	III	
15	165U1A0122	GATTU MANIDEEP KUMAR	III	
16	165U1A0123	GOGI REDDY AKHILA	III	
17	165U1A0124	GULNAZ	III	

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18	165UIA0127	JAJULA BALAKRISHNA	III	<i>Bajula</i>
19	165UIA0128	AMANDLA LAVEENREDDY	III	<i>Laveenreddy</i>
20	165UIA0129	JARUPULA NARESH	III	<i>Naresh</i>
21	165UIA0130	K ARAVIND KUMAR	III	<i>Aravind</i>
22	165UIA0132	KADARI KRISHNA	III	<i>Kadari</i>
23	165UIA0133	KANDADA SUSHMITHA REDDY	III	<i>Sushmitha</i>
24	165UIA0134	KARNI SHYAM SUNDER	III	<i>Sunder</i>
25	165UIA0136	KATIPPELly AKANKSHA	III	<i>Akanksha</i>
26	165UIA0137	KATKAM NAVEEN KUMAR	III	<i>Naveen</i>
27	165UIA0141	MALAVATH NARENDRA	III	<i>Narendra</i>
28	165UIA0143	MANISH KUMAR	III	<i>Kumar</i>
29	165UIA0144	MARRI SHIVAKARTHIK REDDY	III	<i>Shivakarthik</i>
30	165UIA0145	MEDI SAI VARAPRASAD	III	<i>Varaprasad</i>
31	165UIA0146	MESA MAHESH	III	<i>Mahesh</i>
32	165UIA0149	NELAPATLA V SAI LAXMI PRIYANKA	III	<i>Priyanka</i>
33	165UIA0150	NELLA ASHRITHA	III	<i>Ashritha</i>
34	165UIA0151	NENAVATH PRIYANKA	III	<i>Priyanka</i>
35	165UIA0152	NIMMAGADDA SREE SRAVYA	III	<i>Sravya</i>
36	165UIA0153	NITTU SRINIVAS	III	<i>Srinivas</i>
37	165UIA0155	POLA SINDU	III	<i>Sindhu</i>
38	165UIA0158	RAMDAS HARITHA	III	<i>Haritha</i>
39	165UIA0159	SAMALA HARIKRISHNA	III	<i>Harikrishna</i>

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40	165UIA0160	SAMALA VIJENDRA REDDY	III	Vijendra
41	165UIA0162	SUMREDDY SRIJA	III	Srija
42	165UIA0164	T AJAY	III	Ajay
43	165UIA0165	T DAKESH	III	Dakesh
44	165UIA0166	THAMMANABOYINA VARUN RAJ	III	Varun
45	165UIA0168	THIGULLA DIVYA TEJA	III	Divya
46	165UIA0171	VADLA KARTHIK KUMAR	III	Karthik
47	165UIA0172	VANIMISETTI SAI RAM TEJ	III	Sai Ram
48	175U5A0101	AMADAGANI DIVYAVANI	III	Divya
49	175U5A0102	CHALAMALA RAMA KRISHNA	III	Rama
50	175U5A0103	CHANDA RUCHITA	III	Ruchita


Co-ordinator


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S.No	HALLTICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8	DAY-9	DAY-10
1	165U1A0101	ANGOTHU SREENU NAIK	✓	✓	✓	✓	✓	✓	✓		✓	✓
2	165U1A0103	AVANAGANTI RAVINDAR REDDY	✓	✓	✓		✓	✓	✓	✓	✓	✓
3	165U1A0105	BANDAMEDI SAI KUMAR	✓		✓	✓	✓	✓	✓	✓	✓	✓
4	165U1A0106	BOTTU AKHIL KUMAR MUDIRAJU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	165U1A0107	BUDHARAJU KRISHNA VAMSI VARMA	✓	✓	✓	✓		✓	✓	✓	✓	✓
6	165U1A0109	CHAGALAKONDA YOGESH	✓	✓	✓	✓	✓	✓		✓	✓	✓
7	165U1A0112	CHENREDDY VARSHINI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	165U1A0113	CHEVULA NAVYA SREE	✓	✓		✓	✓	✓	✓	✓	✓	✓
9	165U1A0115	CHINDAM SHEKAR	✓	✓	✓	✓	✓		✓	✓	✓	✓
10	165U1A0116	DEGALA MAHESH	✓	✓	✓	✓	✓	✓	✓	✓		✓
11	165U1A0117	DHAVANATH PANDU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	165U1A0118	EDIKUDA RAMAKRISHNA CHARY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	165U1A0119	GADDAM ARAVIND REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	165U1A0121	GARKA BHARATH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	165U1A0122	GATTU MANIDEEP KUMAR	✓	✓	✓		✓	✓	✓		✓	✓
16	165U1A0123	GOGI REDDY AKHILA	✓	✓	✓	✓		✓	✓	✓	✓	✓
17	165U1A0124	GULNAZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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18	165U1A0127	JAJULA BALAKRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	165U1A0128	AMANDLA LAVEENREDDY	✓		✓														
20	165U1A0129	JARUPULA NARESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	165U1A0130	K ARA VIND KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	165U1A0132	KADARI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	165U1A0133	KANDADA SUSHMITHA REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	165U1A0134	KARNI SHYAM SUNDER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	165U1A0136	KATIPELLY AKANKSHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	165U1A0137	KATKAM NAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	165U1A0141	MALAVATH NARENDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	165U1A0143	MANISH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	165U1A0144	MARRI SHIVAKARTHIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	165U1A0145	MEDI SAI VARAPRASAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	165U1A0146	MESA MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	165U1A0149	NELAPATLA V SAI LAXMI PRIYANKA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	165U1A0150	NELLA ASHRUTHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	165U1A0151	NENAVATH PRIYANKA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	165U1A0152	NIMMAGADDA SREE SRAVYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	165U1A0153	NITTU SRINIVAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Prasad
 Institute of Engineering & Technology
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 Ibrahimpatnam (M). R.R.

37	165U1A0155	POLA SINDU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	165U1A0158	RAMDAS HARITHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	165U1A0159	SAMALA HARIKRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	165U1A0160	SAMALA VIJENDRA REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	165U1A0162	SUMREDDY SRUJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	165U1A0164	T AJAY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	165U1A0165	T DAKESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	165U1A0166	THAMMANABOYINA VARUN RAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	165U1A0168	THIGULLA DIVYA TEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46	165U1A0171	VADLA KARTHIK KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47	165U1A0172	VANIMISETTI SAI RAM TEJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
48	175U5A0101	AMADAGANI DIVYAVANI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
49	175U5A0102	CHALAMALA RAMA KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	175U5A0103	CHANDA RUCHITA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓


Co-Ordinator


HOD

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Ibrahimpatnam (M), R.R.



Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name	Mr.Sunigadi Srinivas
Course Name &Topic	“certificate program on GEOTECHNICAL MODELING USING PLAXIS 2D AND 3D)”
Department	CIVIL ENGINEERING
Academic year	2017-18 (03/10/2018 to 13/10/2018)

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering

PO2. Ability to design and conduct experiments, as well as to analyze and interpret data

PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects

PO5 Ability to function on multidisciplinary teams

PO6. Ability to identify, formulates, and solves engineering problems

PO7. Understanding of professional and ethical responsibility

PO8. Ability to communicate effectively

PO9. Understanding the impact of engineering solutions

PO10. Ability to recognize the need and to engage in life-long learning

PO11. Knowledge of contemporary issues

PO12. Ability to manage the projects and enhance research through engineering and management fundamental

Department of Civil Engineering

6

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Mangalpally (M), R.R.Dist, 501510 (MP)
Ibrahimpattinam (M), R.R.Dist, 501510 (MP)

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	165UIA0101	ANGOTHU SREENU NAIK	Po1, Po3, Po5	✓					
2	165UIA0103	AVANAGANTI RAVINDAR REDDY	Po1, Po2, Po3		✓				Surya
3	165UIA0105	BANDAMEDI SAI KUMAR	Po1, Po5, Po7	✓					Ravindhu
4	165UIA0106	BOTTU AKHIL KUMAR MUDIRAJU	Po2, Po3, Po6	✓					Surya
5	165UIA0107	BUDHARAJU KRISHNA VAMSI VARMA	Po1, Po2, Po3, Po7	✓					Akhil.
6	165UIA0109	CHAGALAKONDA YOGESH	Po1, Po7, Po8, Po7		✓				Surya
7	165UIA0112	CHENREDDY VARSHINI	Po2, Po3, Po4	✓					Varshini
8	165UIA0113	CHEVULA NAVYA SREE	Po1, Po4, Po5	✓					Navya
9	165UIA0115	CHINDAM SHEKAR	Po3, Po6, Po8	✓	✓				Shekar
10	165UIA0116	DEGALA MAHESH	Po3, Po4, Po8	✓					Mahesh
11	165UIA0117	DHAVANATH PANDU	Po1, Po2, Po3	✓					Pandu
12	165UIA0118	EDIKUDA RAMAKRISHNA CHARY	Po1, Po3, Po7	✓					Akhil
13	165UIA0119	GADDAM ARAVIND REDDY	Po2, Po8, Po6	✓					Akhil
14	165UIA0121	GARKA BHARATH	Po1, Po2, Po4		✓				Bharath
15	165UIA0122	GATTU MANIDEEP KUMAR	Po6, Po7, Po8	✓	✓				Manideep
16	165UIA0123	GOGI REDDY AKHILA	Po1, Po2, Po3			✓			Akhila
17	165UIA0124	GULNAZ	Po1, Po5, Po6	✓					Gulnaz
18	165UIA0127	JAJULA BALAKRISHNA	Po7, Po8, Po9		✓				Balakrishna
19	165UIA0128	AMANDLA LAVEENREDDY	Po1, Po2, Po7	✓					Laveen
20	165UIA0129	JARUPULA NARESH	Po2, Po3, Po4	✓	✓				Nareesh
21	165UIA0130	K ARAVIND KUMAR	Po1, Po2, Po3	✓					Aravind
22	165UIA0132	KADARI KRISHNA	Po1, Po2, Po3	✓					Krishna
23	165UIA0133	KANDADA SUSHMITHA REDDY	Po4, Po5, Po6	✓					Sushmitha
24	165UIA0134	KARNI SHYAM SUNDER	Po1, Po2, Po7	✓					Shyam
25	165UIA0136	KATIPELLY AKANKSHA	Po2, Po1, Po3	✓					Akanksha
26	165UIA0137	KATKAM NAVEEN KUMAR	Po4, Po5, Po6	✓					Naveen
27	165UIA0141	MALA VATH NARENDRA	Po1, Po6, Po7		✓				Narendra

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28	165UIA0143	MANISH KUMAR	PO1, PO2, PO3, PO4	✓				Kumar
29	165UIA0144	MARRI SHIVAKARTHIK REDDY	PO1, PO3, PO5	✓				Reddy
30	165UIA0145	MEDI SAI VARAPRASAD	PO1, PO3, PO5	✓				Varaprasad
31	165UIA0146	MESA MAHESH	PO1, PO2, PO3	✓				Mahesh
32	165UIA0149	PRIYANKA	PO2, PO5, PO7	✓				Prinka
33	165UIA0150	NELLA ASHRITHA	PO1, PO5, PO8, PO9	✓				Ashritha
34	165UIA0151	NENAVATH PRIYANKA	PO1, PO2, PO3, PO4	✓				Prinka
35	165UIA0152	NIMMAGADDA SREE SRAVYA	PO1, PO2, PO3, PO4	✓				Sravya
36	165UIA0153	NITTU SRINIVAS	PO1, PO2, PO3	✓				Srinivas
37	165UIA0155	POLA SINDU	PO1, PO3, PO4, PO5	✓				Sindhu
38	165UIA0158	RAMDAS HARITHA	PO1, PO2, PO3, PO4	✓				Haritha
39	165UIA0159	SAMALA HARIKRISHNA	PO1, PO5, PO7, PO8	✓				Harika
40	165UIA0160	SAMALA VIJENDRA REDDY	PO1, PO2, PO3, PO4	✓				Vijendra
41	165UIA0162	SUMREDDY SRJA	PO1, PO2	✓				Srja
42	165UIA0164	T AJAY	PO1, PO2, PO3	✓				Ajay
43	165UIA0165	T DAKESH	PO4, PO2, PO3	✓				Daksh
44	165UIA0166	THAMMANABOYINA VARUN RAJ	PO1, PO2, PO3	✓				Varun
45	165UIA0168	THIGULLA DIVYA TEJA	PO2, PO3, PO4	✓				Divya
46	165UIA0171	VADLA KARTHIK KUMAR	PO1, PO3, PO4	✓				Karthik
47	165UIA0172	VANIMSETTI SAI RAM TEJ	PO1, PO2, PO3	✓				Sai Ram
48	175USA0101	AMADAGANI DIVYAVANI	PO1, PO1, PO3	✓				Divya
49	175USA0102	CHALAMALA RAMA KRISHNA	PO1, PO3, PO5	✓				Rama
50	175USA0103	CHANDA RUCHITA	PO1, PO2, PO3, PO4	✓				Ruchita

Kandam
co-ordinator

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13 October 2018

skyfi labs center,
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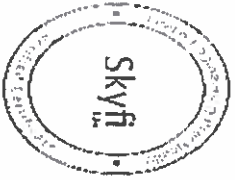
**10 DAYS TRAINING PROGRAM ON GEO-TECHNICAL
MODELING USING PLAXIS 2D AND 3D**

Certificate of completion

This is to certify that Sri./Mr./Ms.

Pala Sindhu [H.No: 1650H0155]

has completed a two week certificate program on "GEO-TECHNICAL MODELING
USING PLAXIS 2D AND 3D" Organized by skyfi labs, Hyd. at AVN Institute of
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HOD
Civil Dept.

[Signature]
Mr.Sunigadri Srinivas
Technical partner
Skyfi labs,Hyd.

[Signature]
Dr.Y.Elham Raj
Principal
AVNIET

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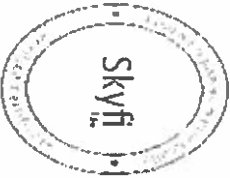
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M.S.
Dr.Md.Sudhan
HOD
Civil Dept.

S.S.
Mr.Sunigadi Srinivas
Technical partner
Skyfi labs,Hyd.

A.R.
Dr.K.Ram Raj
Principal
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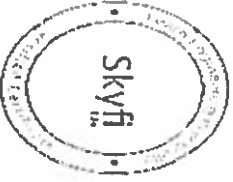
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Certificate of completion

This is to certify that Sri./Mr./Ms.

Ramdhya Haritha Cus No: 16501701563

has completed a two week certificate program on "GEO-TECHNICAL MODELING
USING PLAXIS 2D AND 3D" Organized by skyfi labs. Hyd. at AVN Institute of
Engineering and Technology; held from 03rd October to 10th October 2018.

[Signature]
Dr.Md.Subhan
HOD
Civil Dept.

[Signature]
Mr.Sunigadi Srinivas
Technical partner
Skyfi Labs.Hyd.

[Signature]
Dr.T.ELIYAS RAJ
Principal
AVNIET
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Mangalpally (V), Patalguda (MP),
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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



Accredited with B++ Grade by NAAC

Department of civil Engineering

Date: 26.03.2019

Ref: 01/AVN/CE-2

Circular

All the **IV-B.TECH** Students are hereby informed that the department is going to organize a certificate course on “**MX ROADS**” from **01st April 2019** to **13th April 2019** in association with **CADD CENTRE** the interested candidates are informed to register their names in the department office on before **31/03/2019**.


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To be read in,

Class room.


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AVNIET/CE/2018-19

DATE: 26.03.2019

From:

MR.T.AJITH,
Assistant professor,
Department of CE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on "MX ROADS"-Reg:-


We have planned to conduct certificate course on "MX ROADS"- in the academic year 2018-19 for IV Year students of civil engineering department from 01.04.2019 to 13.04.2019 (2 weeks as per the time table). Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


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INTRODUCTION:

MX Road


MX Road is an excellent string-based modeling tool that enables the rapid and accurate design of all types of roads. Individuals such as civil engineers, designers, surveyors, system designers can access 3D modeling, construction driven engineering, and other analysis all in one engineering application. MX Road contributes to improving the quality of designs by combining traditional engineering workflow profile and cross sections with 3D modeling technology.

Course Objectives

This course of MX Road aims to help you excel various features of the software, such as Interoperable Database that means creation and annotation of 3D project models. It will also help you to learn digital terrain model creation and integration with Google Earth

What topics will you cover?

- Basic Concepts and Starting a New Project
- Input Survey Data and View Model Data
- CAD Environment and Toolbars
- Tooltips and Status Tools
- Surface Checker and Editing Tools
- Surface Analysis
- Housekeeping
- String Naming Convention
- Quick Horizontal Alignment
- Quick Vertical Alignment
- Carriageway Design
- Rule Based Super elevation
- Cross fall Checker
- Design of Second Road
- Road Widening
- Dynamic Reports
- Junction Design
- Krebs, Footways, and Verges
- Working with Projects



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What will you achieve?

Road Design & Analysis using MXROAD training aims to impart training on the essentials of the MXROAD technology. Through this MX Road Design Training, the candidates would get the chance to gain hands-on experience under the supervision of the experienced trainers, who help them in improvising their design quality by using the intelligence with traditional engineering workflows of the plan. Moreover, this MX Road Course enables in-depth insight on Regression analysis, Dynamic, interactive 3D modeling of roadways and corridors, etc.

After completing the MX Road Design Training, the candidates would be able to:

- Learn how to the design-time visualization that helps the design on the fly, this of course is a cost effective way that avoids additional software and staff for visualization needs.
- Visualize the information-rich modeling integrated with mapping
- Develop understanding of the GIS, business tools such as PDFs, i-models, and hyper models.
- Develop understanding of the interactive 3D modeling of roadways, dynamics and corridors
- Learn how to build a horizontal and vertical alignments
- Define the design complete storm water and sanitary sewer networks, analyze and the models



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Report On Certificate Program on MX ROADS Organized By Civil Department:

The department of civil has organized a certificate program on MX ROADS in association with CADD CENTRE.


This program was started with an inauguration ceremony by Principal DR.ELLAM RAJ By MR. K.RAMAKRISHNA Consultants CADD CENTRE on 01.04.2019 to 13.04.2019 at civil seminar hall.

The session was continued by Mr. MR. K.RAMAKRISHNA who began with an Introduction to MX ROADS, the session was so interesting to know about new things about MX ROADS.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 50 students of IV Year of civil department have attended for the session.


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Ibrahimpattam (M) R R



REPORT ON MXROADS:

Bentley MXROAD V8i Free Latest Version and Single Link for Windows. It is Also full offline Setup and standalone installer and Compressed Version of Bentley MXROAD V8i.



Bentley MXROAD V8i Description

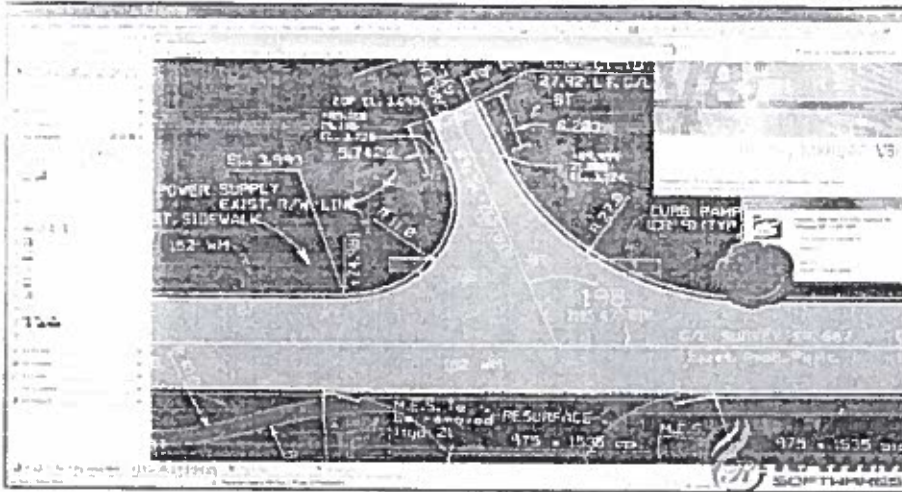
Bentley MXROAD is an advanced, string-based modeling tool that enables the rapid and accurate design of all road types. With MXROAD you can quickly create design alternatives to achieve the “ideal” road system.

Upon selection of the final design alternative, MXROAD automates much of the design detailing process, saving the user time and money.

At its core, MXROAD uses 3D string modeling technology – a proven, powerful, and concise method of creating any 3D surface. Localized in all key markets MXROAD has an interoperable database that allows engineers to create and annotate 3D project models in the most popular CAD platforms and in a stand-alone version which has fully functional, high-quality CAD tools built in.

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Digital Terrain Model (DTM) creation and analysis, full alignment, road and junction design capability, 2D and 3D drainage design, volume and quantity extraction, 2D and 3D PDF creation, integration with Google Earth, and automated production of contract drawings complete a tool set that allows MXROAD users to feel confident tackling the design of any type of road, large or small.

System Requirements for Bentley MXROAD V8i:

Software: Micro Station V8i or higher, AutoCAD 2007 or higher

Processor: Pentium 900Hz minimum, Pentium P4 1.5Ghz or equivalent and higher

Operating System: Windows 2000 SP3, Windows XP Pro SP2, Windows XP Home, Windows Vista, Windows 7

Memory: 1 GB minimum, 2GB or higher recommended

Disk space: 1.5 GB

Input Device: Mouse

After completing the MX Road Design Training, the candidates would be able to:

- Learn how to the design-time visualization that helps the design on the fly, this of course is a cost effective way that avoids additional software and staff for visualization needs.
- Visualize the information-rich modeling integrated with mapping
- Develop understanding of the GIS, business tools such as PDFs, i-models, and hyper models.
- Develop understanding of the interactive 3D modeling of roadways, dynamics and corridors
- Learn how to build a horizontal and vertical alignments
- Define the design complete storm water and sanitary sewer networks, analyze and the models

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Name of Program: MX ROADS

Date: 01/04/2019

S.No	HALLTICKET NUMBER	STUDENT NAME	YEAR	SIGNATURE
1	155U1A0101	ALLEY JAYASURYA	IV	Jayasya
2	155U1A0103	BATHULA SHARATH REDDY	IV	Sharath
3	155U1A0104	CHEJARLA GANESH	IV	Ganesh
4	155U1A0105	DANDUGULA SATHEESH	IV	Satheesh
5	155U1A0107	GADDAM AKSHAY	IV	Akshay
6	155U1A0109	K KARTHIK	IV	Karthik
7	155U1A0110	KADARI PUSHPALATHA	IV	Puspa
8	155U1A0111	KALLEM HARDIK REDDY	IV	Hardik
9	155U1A0115	KONNE SAI KRISHNA	IV	Krishna
10	155U1A0116	KOTTAM SRIKANTH	IV	Srikanth
11	155U1A0117	MOHD ISMAIL	IV	Ismail
12	155U1A0118	MOTHKURI SAIRAM	IV	Sairam
13	155U1A0119	MUDASTHU RAKESH	IV	Rakesh
14	155U1A0122	NOUSE PRASHANTH KUMAR	IV	Prashanth
15	155U1A0123	P CHANDRASHEKAR	IV	Chandru
16	155U1A0124	PARVATHAM KRANTHI KUMAR	IV	Kranthi
17	155U1A0126	SADHU ANVESH	IV	Anvesh
18	155U1A0129	U ABHINAY REDDY	IV	Abhinay
19	165U5A0101	A VIJAY KRISHNA NAIK	IV	Vijay

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20	165U5A0102	ADUPULA KALPANA	IV	Roy
21	165U5A0103	B SRAVANTHI	IV	Sravanthi
22	165U5A0104	BANDA ABHINAV	IV	Abhinav
23	165U5A0105	BATHULA SAIKIRAN	IV	Saikiran
24	165U5A0106	CHAKALI KRISHNA	IV	Krishna
25	165U5A0108	D PRASHANTH KUMAR	IV	Prashanth
26	165U5A0109	D VISHWANATHAM YADAV	IV	Vigheer
27	165U5A0112	GANDYADAPU SWAMY	IV	Swamy
28	165U5A0113	JADI SAGAR	IV	Sagar
29	165U5A0114	KANDAKURTHI VAMSHI	IV	Vamsi
30	165U5A0115	KHETHAVATH PREMALATHA	IV	Premalatha
31	165U5A0116	KOTHOORI PRASHANTHI	IV	Prashanthi
32	165U5A0117	MALOTH EERULAL	IV	Eerulal
33	165U5A0118	MANGALI ANILKUMAR	IV	Anil
34	165U5A0119	MD ARIF	IV	Arif
35	165U5A0120	MOHAMMAD ASIF ALI	IV	Asif Ali
36	165U5A0121	MULA RAJESH	IV	Rajesh
37	165U5A0122	MULINTI RAVIKUMAR	IV	Ravikumar
38	165U5A0123	MYADARAM HARISH	IV	Harish
39	165U5A0124	P BHANU PRAKASH	IV	Prakash
40	165U5A0125	PEDDABUDI RANJEETH KUMAR	IV	Ranjeeth
41	165U5A0126	PEESHA ANIL KUMAR RAO	IV	Anil
42	165U5A0127	POGAAKU PRABHUDEV	IV	Prabhudev

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43	165USA0128	PUNNALA LAVANYA	IV	Lavanya
44	165USA0129	PUNNA VIVEK VARDHAN	IV	Vivek
45	165USA0130	R NARESH NAIK	IV	Narash
46	165USA0131	SANJIV	IV	Sanjay
47	165USA0132	RAGI SOUMYA PRIYA	IV	Riya
48	165USA0134	T HARSHITHA CHOUHAN	IV	Harshitha
49	165USA0135	URADI DURGA PRASAD	IV	Durgaprasad
50	165USA0136	VARKALA PAVAN SAIGOUD	IV	Pavan


Co-ordinator


HOD



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AVN Institute of Engineering & Technology
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S.No	HALL TICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8
1	115UIA0111	GELENN KARTHIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓
2	115UIA0118	KANCHARLA RAJENDHAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓
3	155UIA0101	ALLEY JAYASURYA	✓	✓	✓	✓	✓	✓	✓	✓
4	155UIA0103	BATHULA SHARATH REDDY	✓	✓	✓	✓	✓	✓	✓	✓
5	155UIA0104	CHEJARLA GANESH	✓	✓	✓	✓	✓	✓	✓	✓
6	155UIA0105	DANDUGULA SATHEESH	✓	✓	✓	✓	✓	✓	✓	✓
7	155UIA0107	GADDAM AKSHAY	✓	✓	✓	✓	✓	✓	✓	✓
8	155UIA0109	K KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓
9	155UIA0110	KADARI PUSHPALATHA	✓	✓	✓	✓	✓	✓	✓	✓
10	155UIA0111	KALLEM HARDIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓
11	155UIA0115	KONNE SAI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
12	155UIA0116	KOTTAM SRIKANTH	✓	✓	✓	✓	✓	✓	✓	✓
13	155UIA0117	MOHD ISMAIL	✓	✓	✓	✓	✓	✓	✓	✓
14	155UIA0118	MOTHKURI SAIRAM	✓	✓	✓	✓	✓	✓	✓	✓
15	155UIA0119	MUDASTHU RAKESH	✓	✓	✓	✓	✓	✓	✓	✓
16	155UIA0122	NOUSE PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
17	155UIA0123	P CHANDRASHEKAR	✓	✓	✓	✓	✓	✓	✓	✓
18	155UIA0124	PARVATHAM KRANTHI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
19	155UIA0126	SADHU ANVESH	✓	✓	✓	✓	✓	✓	✓	✓
20	155UIA0129	U ABHINAY REDDY	✓	✓	✓	✓	✓	✓	✓	✓
21	165U5A0101	A VIJAY KRISHNA NAIK	✓	✓	✓	✓	✓	✓	✓	✓
22	165U5A0102	ADUPULA KALPANA	✓	✓	✓	✓	✓	✓	✓	✓
23	165U5A0103	B SRAVANTHI	✓	✓	✓	✓	✓	✓	✓	✓
24	165U5A0104	BANDA ABHINAV	✓	✓	✓	✓	✓	✓	✓	✓
25	165U5A0105	BATHULA SAIKIRAN	✓	✓	✓	✓	✓	✓	✓	✓
26	165U5A0106	CHAKALI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
27	165U5A0108	D PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
28	165U5A0109	D VISHWANATHAM YADAV	✓	✓	✓	✓	✓	✓	✓	✓

29	165U5A0111	ERRA HARISH		✓		✓	✓	✓	✓	✓	✓	✓
30	165U5A0112	GANDYADAPU SWAMY			✓	✓	✓	✓	✓			✓
31	165U5A0113	JADI SAGAR		✓		✓	✓	✓	✓			✓
32	165U5A0114	KANDAKURTHI VAMSHI			✓	✓	✓	✓	✓			✓
33	165U5A0115	KHETHAVATH PREMALATHA		✓		✓	✓	✓	✓			✓
34	165U5A0116	KOTHOORI PRASHANTHI		✓		✓	✓	✓	✓			✓
35	165U5A0117	MALOTH EERULAL		✓		✓	✓	✓	✓			✓
36	165U5A0118	MANGALI ANILKUMAR		✓		✓	✓	✓	✓			✓
37	165U5A0119	MD ARJF		✓		✓	✓	✓	✓			✓
38	165U5A0120	MOHAMMAD ASIF ALI		✓		✓	✓	✓	✓			✓
39	165U5A0121	MULA RAJESH		✓		✓	✓	✓	✓			✓
40	165U5A0122	MULINTI RAVIKUMAR		✓		✓	✓	✓	✓			✓
41	165U5A0123	MYADARAM HARISH			✓	✓	✓	✓	✓			✓
42	165U5A0124	P BHANU PRAKASH		✓		✓	✓	✓	✓			✓
43	165U5A0125	PEDDABUDI RANJEETH KUMAR		✓		✓	✓	✓	✓			✓
44	165U5A0126	PEESHWANIL KUMAR RAO		✓		✓	✓	✓	✓			✓
45	165U5A0127	POGA AKU PRABHUDEV		✓		✓	✓	✓	✓			✓
46	165U5A0128	PUNNALA LAVANYA			✓	✓	✓	✓	✓			✓
47	165U5A0129	PUNNA VIVEK VARDHAN		✓		✓	✓	✓	✓			✓
48	165U5A0131	SANJIV		✓		✓	✓	✓	✓			✓
49	165U5A0132	RAGI SOUMYA PRIYA		✓		✓	✓	✓	✓			✓
50	165U5A0134	T HARSHITHA CHOUHAN		✓		✓	✓	✓	✓			✓

Co-ordinator

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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name Mr. RAMAKRISHNA
 Course Name & Topic "certificate program on MX ROADS (01/04/2019 to 13/04/2019)"
 Department CIVIL ENGINEERING
 Academic year 2018-19


Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)


At the end of the program the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects
- PO5 Ability to function on multidisciplinary teams
- PO6. Ability to identify, formulates, and solves engineering problems
- PO7. Understanding of professional and ethical responsibility
- PO8. Ability to communicate effectively
- PO9. Understanding the impact of engineering solutions
- PO10. Ability to recognize the need and to engage in life-long learning
- PO11. Knowledge of contemporary issues
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

Department of Civil Engineering


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 Ibrahimpatnam (M) R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	155U1A0101	ALLEY JAYASURYA	P01, P02, P03, P04	✓					Jayan
2	155U1A0103	BATHULA SHARATH REDDY	P01, P02, P03, P04	✓	✓				Sharath
3	155U1A0104	CHEJARLA GANESH	P01, P02, P03, P04	✓					Ganesh
4	155U1A0105	DANDUGULA SATHEESH	P01, P02, P03	✓					Satheesh
5	155U1A0107	GADDAM AKSHAY	P01, P02, P03, P04	✓					Akshay
6	155U1A0109	K KARTHIK	P01, P02, P03, P04	✓	✓				Karthik
7	155U1A0110	KADARI PUSHPALATHA	P01, P02, P03, P04	✓					Pushpa
8	155U1A0111	KALLEM HARDIK REDDY	P01, P02, P03, P04	✓	✓				Hardik
9	155U1A0115	KONNE SAI KRISHNA	P01, P02, P03, P04	✓					Krishna
10	155U1A0116	KOTTAM SRIKANTH	P01, P02, P03, P04	✓	✓				Srikant
11	155U1A0117	MOHD ISMAIL	P01, P02, P03, P04	✓					Ismail
12	155U1A0118	MOTHKURI SAIRAM	P01, P02, P03, P04	✓					Sairam
13	155U1A0119	MUDASTHU RAKESH	P01, P02, P03, P04	✓	✓				Rakesh
14	155U1A0122	NOUSE PRASHANTH KUMAR	P01, P02, P03, P04	✓					Prashanth
15	155U1A0123	P CHANDRASHEKAR	P01, P02, P03, P04	✓					Chandru
16	155U1A0124	PARVATHAM KRANTHI KUMAR	P01, P02, P03, P04	✓	✓				Kranti
17	155U1A0126	SADHU ANVESH	P01, P02, P03, P04	✓					Anvesh
18	155U1A0129	U ABHINAV REDDY	P01, P02, P03, P04	✓	✓				Abhinav
19	165U5A0101	A VIJAY KRISHNA NAIK	P01, P02, P03, P04	✓					Vijay
20	165U5A0102	ADUPULA KALPANA	P01, P02, P03, P04	✓	✓				Kalpana
21	165U5A0103	B SRAVANTHI	P01, P02, P03, P04	✓					Sravanti
22	165U5A0104	BANDA ABHINAV	P01, P02, P03, P04	✓	✓				Abhinav
23	165U5A0105	BATHULA SAIKIRAN	P01, P02, P03, P04	✓					Saikiran
24	165U5A0106	CHAKALI KRISHNA	P01, P02, P03, P04	✓	✓				Krishna
25	165U5A0108	D PRASHANTH KUMAR	P01, P02, P03, P04	✓					Prashanth
26	165U5A0109	D VISHWANATHAM YADAV	P01, P02, P03, P04	✓	✓				Vishwanath
27	165U5A0112	GANDYADAPU SWAMY	P01, P02, P03, P04	✓					Swamy
28	165U5A0113	JADI SAGAR	P01, P02, P03, P04	✓	✓				Sagar



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 Ibrahimpatnam (M) R R

29	165USA0114	KANDAKURTHI VAMSHI	PO1, PO2, PO3, PO4, PO5	✓					Vamsi
30	165USA0115	KHETHAVATH PREMALATHA	PO1, PO4, PO5	✓					Premaalatha
31	165USA0116	KOTHOORI PRASHANTHI	PO1, PO2, PO5	✓					Prashanthi
32	165USA0117	MALOTH EERULAL	PO2, PO6, PO8	✓					Eerulal
33	165USA0118	MANGALI ANILKUMAR	PO1, PO2, PO3	✓					Mal
34	165USA0119	MD ARIF	PO4, PO6, PO8	✓					Arif
35	165USA0120	MOHAMMAD ASIF ALI	PO2, PO3, PO4	✓					Asif Ali
36	165USA0121	MULA RAJESH	PO2, PO3, PO5	✓					Rajesh
37	165USA0122	MULINTI RAVIKUMAR	PO2, PO4, PO5	✓					Ravikumar
38	165USA0123	MYADARAM HARISH	PO1, PO2, PO3	✓					Harish
39	165USA0124	P BHANU PRAKASH	PO1, PO3, PO8	✓					Prakash
40	165USA0125	PEDDABUDI RANJEETH KUMAR	PO1, PO2, PO8	✓					Ranjeeth
41	165USA0126	PEESHWA ANIL KUMAR RAO	PO1, PO2, PO8	✓					Rao
42	165USA0127	POGAAKU PRABHUDEV	PO4, PO5, PO6	✓					Prabhu
43	165USA0128	PUNNALA LAVANYA	PO1, PO3, PO4	✓					Prabhu
44	165USA0129	PUNNA VIVEK VARDHAN	PO1, PO3, PO4	✓					Vardhan
45	165USA0130	R NARESH NAIK	PO4, PO5, PO6	✓					Naresh
46	165USA0131	SANJIV	PO1, PO2, PO3	✓					Sanjiv
47	165USA0132	RAGI SOUMYA PRIYA	PO1, PO2, PO4	✓					Priya
48	165USA0134	T HARSHITHA CHOUHAN	PO1, PO2, PO3	✓					Harshitha
49	165USA0135	URADI DURGA PRASAD	PO1, PO2, PO4	✓					Durga
50	165USA0136	VARKALA PAVAN SAIGOUND	PO2, PO5, PO8	✓					Pavan

co-ordinator

HQ/ND



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 Chittoor District, Andhra Pradesh




TWO WEEKS TRAINING PROGRAM ON MX ROAD


Certificate of completion


This is to certify that Sri./Mr./Ms.


K. Dermalatha H.TNO: 16505A0115

has completed a two week certificate program on "MX ROADS" Organized by CADD Centre Hyderabad at AVN Institute of Engineering and Technology, held from 01st April to 13th April 2019.


Co-ordinator
Hyderabad
13th April 2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. K. Ramakrishna
Trainer
CADD Centre Hyd.


Dr. V. Elliah Raj
Principal
AVNIET
Principal
AVNIET
AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Ibrahimpatnam (M), R. R.




TWO WEEKS TRAINING PROGRAM ON MIX ROAD


Certificate of completion

This is to certify that Sri./Mr./Ms.


K. Kaathik [HAB/5501A0100]

has completed a two week certificate program on "MIX ROADS" Organized by CADD Centre Hyderabad at AVN Institute of Engineering and Technology, held from 01st April to 13th April 2019.


Co-ordinator
Hyderabad
13th April 2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. K. Ramakrishna
Trainer
CADD Centre Hyd.


Dr. Venkatesh Raj
Principal
AVNET

Principal
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Badrachalam, Nainam (M) R.R.




TWO WEEKS TRAINING PROGRAM ON MIX ROAD


Certificate of completion

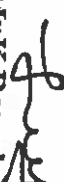
This is to certify that ~~Str./Mx./Ms.~~

T. Harshitha Chouhan I-I No: 165 05 00134

has completed a two week certificate program on "MIX ROADS" Organized by CADD Centre Hyderabad at AVN Institute of Engineering and Technology, held from 01st April to 13th April 2019.


Co-ordinator
Hyderabad
13th April 2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. K. Ramakrishna
Trainer
CADD Centre Hyd.


Dr. V. E. Ram Raj
Principal
AVNET

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Department of civil Engineering

Date: 27.04.2019

Ref: 01/AVN/CE


Circular

All the IV- B.TECH Students are hereby informed that the department is going to organize a certificate course on “DESIGN OF WATER TANKS” from 02/05/2019 to 13/05/2019. In association with **skyfi labs. Hyd.** the interested candidates are informed to register their names in the department office on before 01/05/2019.


HOD-CIVIL

To be read in,

Class room.


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Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



AVNIET/CE/2018-19

DATE: 27.04.2019

From:

MR.G.Suresh,
Assistant professor,
Department of CE,
AVNIET-Ibp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on "DESIGN OF WATER TANKS"-
Reg:-

We have planned to conduct certificate course on "DESIGN OF WATER TANKS"- in the academic year 2018-19 for IV Year students of civil engineering department from 02/05/2019 to 13/05/2019 Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


HOD/CE
PRINCIPAL
AVN Institute of Engineering & Technology
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Ibrahimpatnam (M), R.R.



Training Course on Design of Water Tanks

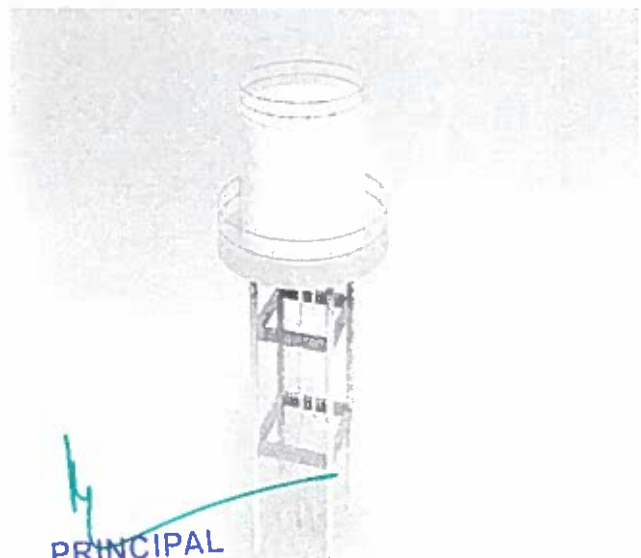
(02/05/2019 to 13/05/2019)

The Importance of Water Tanks and why They're Basic Necessity

Water is an undeniable need with we all require living, so there is no description or introduction needed. It's totally impossible to survive/live without clean water; it is totally impossible to carry on with our daily chores without water. This is why it is important to have water tanks to store water. So, what is water tank? Well, it is a humongous container that is used for storage of water. The reserved water can be used for different purposes like cooking, drinking, or something big like helping a mass generation for your survival such as livestock, irrigation, agriculture, etc.

Advantages of Water Tanks In times of crisis

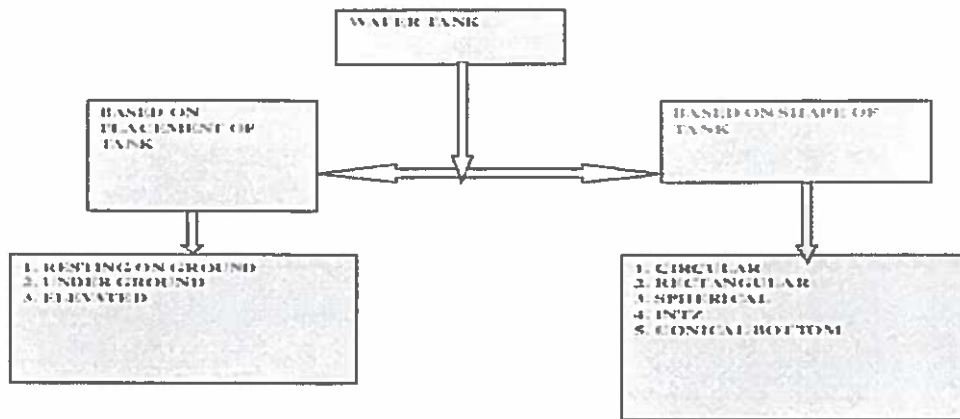
In most of the time, drought does not inform people before it engulf them in a wave of water crisis. This is some of the time when water tanks come handy. During this devastating calamity, having a full water tank will help you in having a constant supply of water for your unavoidable requirements. During these kinds of droughts you will not have any burden of not having adequate water, since water stored in these storage tanks will be the solution to it. Water stored in these tanks can be utilized and purified for various purposes.



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TYPES OF WATER TANKS



COMPARISON OF TANKS

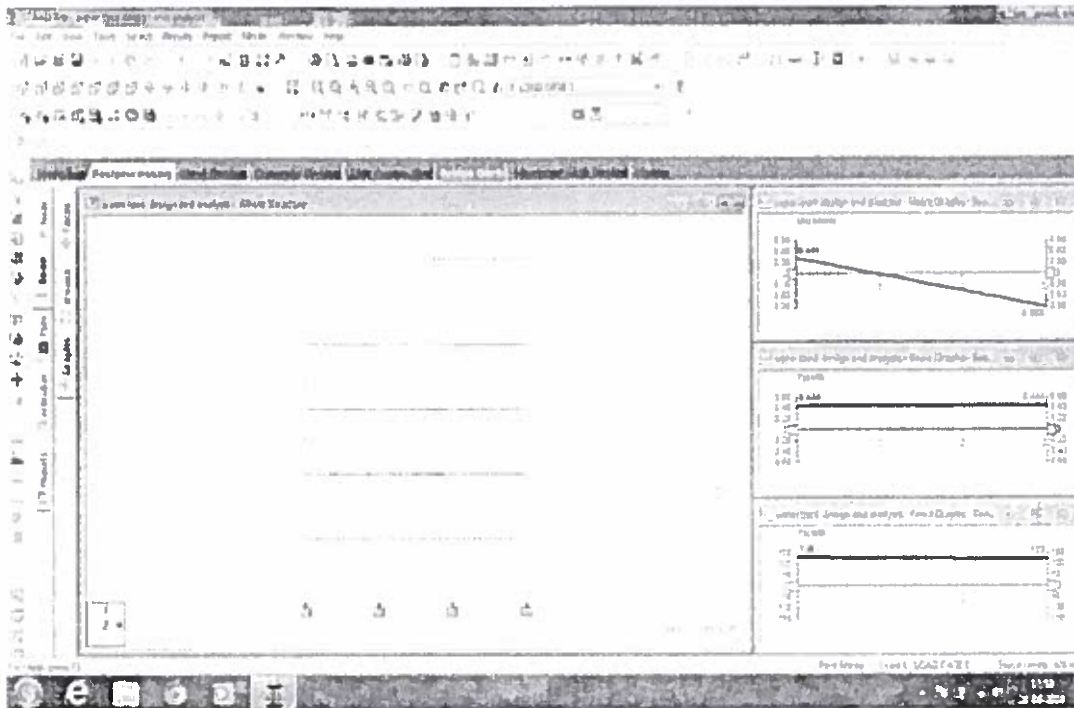
RECTANGULAR TANK	CIRCULAR TANK	INTZE TANK	PRESTRESSED TANKS
For smaller capacities we go for rectangular tanks	For bigger capacities we go for circular tanks	Intze tank is constructed to reduce the project cost because lower dome in this construction resists horizontal thrust	For bigger tanks, prestressing is the superior choice resulting in a saving of up to 20%.

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WATER TANK DESIGN & ANALYSIS USING STAAD PRO



24

This training course is targeting graduate students from Civil Engineering. At the end of the training course, each participant will receive an official Certificate of Training authorized by Skyfi.Labs. The training course will be organized at AVN institute of engineering and technology.

Course Coordinator:

Mr.G.SURESH

Assistant Professor

The Civil Engineering Department,

E-mail:sureshgolusula@gmail.com


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Format & SCHEDULE

Each day consists a morning and an afternoon session. Each session deals with a specific topic and starts with a general presentation followed by an introduction to the practical application and a hands-on computer exercise. At the end of each day, extra time is reserved to complete exercises and to discuss the computational results.

Date	Syllabus
02/05/2019	Underground water tanks
03/05/2019	Tank resting on grounds
04/05/2019	Elevated or overhead water tanks.
06/05/2019	Circular tanks
07/05/2019	Rectangular tanks
08/05/2019	Intez tank
09/05/2019	Circular tank with conical bottom
10/05/2019	Square tanks
11/05/2019	Case example-1
13/10/2019	Case example-2


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Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



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List of participants:

Name of Program: Training Course on Design of Water Tanks

S.No	HALLTICKET NUMBER	STUDENT NAME	YEAR	SIGNATURE
1	115U1A0111	GELENA KARTHIK REDDY	IV	Karthik
2	115U1A0118	KANCHARLA RAJENDHAR REDDY	IV	Rajendra
3	155U1A0101	ALLEY JAYASURYA	IV	Jayn
4	155U1A0103	BATHULA SHARATH REDDY	IV	Sharath
5	155U1A0104	CHEJARLA GANESH	IV	Ganesh
6	155U1A0105	DANDUGULA SATHEESH	IV	Satheesh
7	155U1A0107	GADDAM AKSHAY	IV	Akshay
8	155U1A0109	K KARTHIK	IV	Karthik
9	155U1A0110	KADARI PUSHPALATHA	IV	Pushpa
10	155U1A0111	KALLEM HARDIK REDDY	IV	Hardik
11	155U1A0115	KONNE SAI KRISHNA	IV	Sai
12	155U1A0116	KOTTAM SRIKANTH	IV	Srikanth
13	155U1A0117	MOHD ISMAIL	IV	Ismail
14	155U1A0118	MOTHKURI SAIRAM	IV	Sairam
15	155U1A0119	MUDASTHU RAKESH	IV	Rakesh
16	155U1A0122	NOUSE PRASHANTH KUMAR	IV	Prashanth
17	155U1A0123	P CHANDRASHEKAR	IV	Chandru

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Report on

Certificate program on Design of water tanks

The department of civil has organized a certificate program on “Design of water tanks” in association with Skyfi Labs. Hyd.


This program was started with an inauguration ceremony by Head of the department Dr.MD.Subhan and Mr. Emran khan Technical faculty, Skyfi Labs. Hyd. . On 03/10/2018 at civil AUTOCAD LAB.

The session was continued by Mr. Emran khan who began with an Introduction to Water tanks and its importance, the session was so interesting to know about new things about Trends and Developments in water resource engineering

He appreciated Faculty members, student’s volunteers and participants for the successful conduction of the event. Around 50 students of IV Year Students of civil department have attended for the session.


Co-ordinator


HOD


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18	155U1A0124	PARVATHAM KRANTHI KUMAR	IV	Kranthi
19	155U1A0126	SADHU ANVESH	IV	Anvesh
20	155U1A0129	U ABHINAY REDDY	IV	Abhinav
21	165U5A0101	A VIJAY KRISHNA NAIK	IV	Naik
22	165U5A0102	ADUPULA KALPANA	IV	Roy
23	165U5A0103	B SRAVANTHI	IV	Sravanthi
24	165U5A0104	BANDA ABHINAV	IV	Abhinav
25	165U5A0105	BATHULA SAIKIRAN	IV	Saikiran
26	165U5A0106	CHAKALI KRISHNA	IV	Krishna
27	165U5A0108	D PRASHANTH KUMAR	IV	Prashanth
28	165U5A0109	D VISHWANATHAM YADAV	IV	Yadav
29	165U5A0111	ERRA HARISH	IV	Harish
30	165U5A0112	GANDYADAPU SWAMY	IV	Swamy
31	165U5A0113	JADI SAGAR	IV	Sagar
32	165U5A0114	KANDAKURTHI VAMSHI	IV	Vamshi
33	165U5A0115	KHETHAVATH PREMALATHA	IV	Premalatha
34	165U5A0116	KOTHOORI PRASHANTHI	IV	Prashanthi
35	165U5A0117	MALOTH EERULAL	IV	Eerulal
36	165U5A0118	MANGALI ANILKUMAR	IV	Anilkumar
37	165U5A0119	MD ARIF	IV	Arif
38	165U5A0120	MOHAMMAD ASIF ALI	IV	Asif
39	165U5A0121	MULA RAJESH	IV	Rajesh
40	165U5A0122	MULINTI RAVIKUMAR	IV	Ravikumar

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41	165U5A0123	MYADARAM HARISH	IV	
42	165U5A0124	P BHANU PRAKASH	IV	
43	165U5A0125	PEDDABUDI RANJEETH KUMAR	IV	
44	165U5A0126	PEESHTWA ANIL KUMAR RAO	IV	
45	165U5A0127	POGAAKU PRABHUDEV	IV	
46	165U5A0128	PUNNALA LAVANYA	IV	
47	165U5A0129	PUNNA VIVEK VARDHAN	IV	
48	165U5A0130	R NARESH NAIK	IV	
49	165U5A0131	SANJIV	IV	
50	165U5A0132	RAGI SOUMYA PRIYA	IV	

Co-ordinator

HOD

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Program Name: Certificate program on design of water tanks

Dates: 02/05/2019 to 13/05/2019

S.No	HALLTICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8	DAY-9	DAY-10
1	115UIA0111	GELENNNA KARTHIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	115UIA0118	KANCHARLA RAJENDHAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	155UIA0101	ALLEY JAYASURYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	155UIA0103	BATHULA SHARATH REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	155UIA0104	CHEJARLA GANESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	155UIA0105	DANDUGULA SATHEESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	155UIA0107	GADDAM AKSHAY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	155UIA0109	K KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	155UIA0110	KADARI PUSHPALATHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	155UIA0111	KALLEM HARDIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	155UIA0115	KONNE SAI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	155UIA0116	KOTTAM SRIKANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	155UIA0117	MOHD ISMAIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	155UIA0118	MOTHKURU SAIRAM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	155UIA0119	MUDASTHU RAKESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	155UIA0122	NOUSE PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	155UIA0123	P CHANDRASHEKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	155UIA0124	PARVATHAM KRANTHI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	155UIA0126	SADHU ANVESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	155UIA0129	U ABHINAY REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	165U5A0101	A VIJAY KRISHNA NAIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	165U5A0102	ADUPULA KALPANA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	165U5A0103	B SRAVANTHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	165U5A0104	BANDA ABHINAV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	165U5A0105	BATHULA SAIKIRAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	165U5A0106	CHAKALI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	165U5A0108	D PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Ibrahimpatnam (M) R R

30	165U5A0112	GANDYADAPU SWAMY	PO1, PO2, PO3	✓				Swamy
31	165U5A0113	JADI SAGAR	PO1, PO2, PO3, PO4	✓				Sagar
32	165U5A0114	KANDAKURTHI VAMSHI	PO1, PO2, PO3	✓				Vamshin
33	165U5A0115	KHETHAVATH PREMALATHA	PO1, PO2, PO3	✓				Premy
34	165U5A0116	KOTHOORI PRASHANTHI	PO1, PO2, PO3	✓				Prashanthi
35	165U5A0117	MALOTH EERULAL	PO1, PO2, PO3	✓				Eerulal
36	165U5A0118	MANGALI ANILKUMAR	PO1, PO2, PO3, PO4	✓				Anil
37	165U5A0119	MD ARIF	PO1, PO2, PO3, PO4	✓				Arif
38	165U5A0120	MOHAMMAD ASIF ALI	PO1, PO2, PO3, PO4	✓				Asif
39	165U5A0121	MULA RAJESH	PO1, PO2, PO3, PO4	✓				Rajesh
40	165U5A0122	MULINTI RAVIKUMAR	PO1, PO2, PO3, PO4	✓				Ravikumar
41	165U5A0123	MYADARAM HARISH	PO1, PO2, PO3, PO4	✓				Harish
42	165U5A0124	P BHANU PRAKASH	PO1, PO2, PO3, PO4	✓				Prakash
43	165U5A0125	PEDDABUDI RANJITH KUMAR	PO1, PO2, PO3, PO4	✓				Ranjith
44	165U5A0126	PEESHWA ANIL KUMAR RAO	PO1, PO2, PO3, PO4	✓				Anil
45	165U5A0127	POGAANKU PRABHUDEV	PO1, PO2, PO3, PO4	✓				Prabhu
46	165U5A0128	PUNNALA LAVANYA	PO1, PO2, PO3, PO4	✓				Lavanya
47	165U5A0129	PUNNA VIVEK VARDHAN	PO1, PO2, PO3, PO4	✓				Vivek
48	165U5A0130	R NARESH NAIK	PO1, PO2, PO3, PO4	✓				Naresh
49	165U5A0131	SANJIV	PO1, PO2, PO3, PO4	✓				Sanjiv
50	165U5A0132	RAGI SOUMYA PRIYA	PO1, PO2, PO3, PO4	✓				Priya

[Signature]

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Brahmapuram (M), R.R.

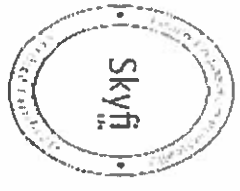
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TANKS

Certificate of completion

This is to certify that **Sri. VK/MS.**

P. Lavanya H.T No: 16505A0128

has completed a two week certificate program on "DESIGN OF WATER TANKS"
Organized by skyfi labs. Hyd. at AVN Institute of Engineering and Technology; held
from 02nd May to 13th May 2019.

Dr. Mid. Subhan
Dr. Mid. Subhan
HOD
Civil Dept.

Mr. Emran Khan
Mr. Emran Khan
Technical faculty
Skyfi labs. Hyd.
Municipal D.Y. Prasad Raj
Institute of Engineering & Technology
Mangalpally (V), Patangutla (AP) NIEET

Ibrahimpatnam (H) R.R.



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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name Mr. Emran Khan
 Course Name & Topic "certificate Program on Design of Water tank from 02/05/2019-13/05/2019"
 Department CIVIL ENGINEERING
 Academic year 2018-19

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering

PO2. Ability to design and conduct experiments, as well as to analyze and interpret data

PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects

PO5 Ability to function on multidisciplinary teams

PO6. Ability to identify, formulate, and solves engineering problems

PO7. Understanding of professional and ethical responsibility

PO8. Ability to communicate effectively

PO9. Understanding the impact of engineering solutions

PO10. Ability to recognize the need and to engage in life-long learning

PO11. Knowledge of contemporary issues

PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

Department of Civil Engineering

AVN Institute of Engineering & Technology
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 Ibrahimpatnam (M), R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	115UIA0111	GELENA KARTHIK REDDY	P01, P02, P03,	✓	✓				Karthik
2	115UIA0118	KANCHARLA RAJENDHAR REDDY	P02, P03, P04	✓					Rajendhar
3	155UIA0101	ALLEY JAYASURYA	P01, P02, P04	✓					Jaya
4	155UIA0103	BATHULA SHARATH REDDY	P01, P03, P05	✓					Sharath
5	155UIA0104	CHEJARLA GANESH	P02, P04, P06	✓					Ganesh
6	155UIA0105	DANDUGULA SATHEESH	P02, P06, P07	✓					Satheesh
7	155UIA0107	GADDAM AKSHAY	P02, P03, P04,	✓					Akshay
8	155UIA0109	K KARTHIK	P01, P02, P03,	✓					Karthik
9	155UIA0110	KADARI PUSHPALATHA	P02, P04, P04,	✓					Puspa
10	155UIA0111	KALLEM HARDIK REDDY	P02, P03, P05, P06	✓					Hardik
11	155UIA0115	KONNE SAI KRISHNA	P02, P03, P04,	✓					Sai
12	155UIA0116	KOTTAM SRIKANTH	P02, P03, P04	✓					Srikanth
13	155UIA0117	MOHD ISMAIL	P02, P02, P04	✓					Ismail
14	155UIA0118	MOTHKURI SAIRAM	P01, P02, P03	✓					Sairam
15	155UIA0119	MUDASTHU RAKESH	P02, P03, P04	✓					Rakesh
16	155UIA0122	NOUSE PRASHANTH KUMAR	P02, P04, P07	✓					Prashanth
17	155UIA0123	P CHANDRASHEKAR	P02, P03, P04	✓					Chandru
18	155UIA0124	PARVATHAM KRANTHI KUMAR	P02, P03, P04	✓					Kranti
19	155UIA0126	SADHU ANVESH	P02, P04, P03	✓					Anvesh
20	155UIA0129	U ABHINAY REDDY	P04, P06, P07	✓					Abhinav
21	165U5A0101	A VIJAY KRISHNA NAIK	P01, P02, P03,	✓					Vijay
22	165U5A0102	ADUPULA KALPANA	P02, P04, P05	✓					Kalpna
23	165U5A0103	B SRAVANTHI	P01, P02, P03,	✓					Sravanti
24	165U5A0104	BANDA ABHINAV	P02, P03, P04	✓					Abhinav
25	165U5A0105	BATHULA SAIKIRAN	P01, P02, P03,	✓					Saikiran
26	165U5A0106	CHAKALI KRISHNA	P01, P05, P05	✓					Krishna
27	165U5A0108	D PRASHANTH KUMAR	P01, P02, P03	✓					Prashanth
28	165U5A0109	D VISHWANATHAM YADAV	P01, P04, P05	✓					Vishwanath
29	165U5A0111	ERRA HARISH	P06, P07, P08, P09	✓					Harish

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 Ibrahimpatnam (M), R.R.
 ::::N Institute of Engineering & Technology

Program Name: Certificate program on design of water tanks

Dates: 02/05/2019 to 13/05/2019

28	16SUS A0109	D VISHWANATHAM YADAV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	16SUS A0111	ERRA HARISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	16SUS A0112	GANDYADAPU SWAMY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	16SUS A0113	JADI SAGAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	16SUS A0114	KANDAKURTHI VAMSHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	16SUS A0115	KHETHAVATH PREMALATHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	16SUS A0116	KOTHOORI PRASHANTHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	16SUS A0117	MALOTH EERULAL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	16SUS A0118	MANGALI ANILKUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	16SUS A0119	MD ARIF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	16SUS A0120	MOHAMMAD ASIF ALI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	16SUS A0121	MULA RAJESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	16SUS A0122	MULINTI RAVIKUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	16SUS A0123	MYADARAM HARISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	16SUS A0124	P BHANU PRAKASH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	16SUS A0125	PEDDABUDI RANJEETH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	16SUS A0126	PEESHTWA ANIL KUMAR RAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	16SUS A0127	POGAAKU PRABHUDEV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46	16SUS A0128	PUNNALA LAVANYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47	16SUS A0129	PUNNA VIVEK VARDHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
48	16SUS A0130	R NARESH NAIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
49	16SUS A0131	SANJIV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	16SUS A0132	RAGI SOUMYA PRIYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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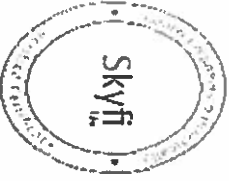
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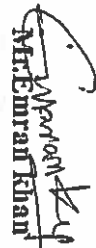
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K. DUSHPALATHA H.No: 155V190110

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from 02nd May to 13th May 2019.


Dr. Mid Subhan
HOD
Civil Dept.


Mr. Emran Khan
Technical faculty
Skyffi Labs, Hyd.


Dr. Jayaram Raj
Principal
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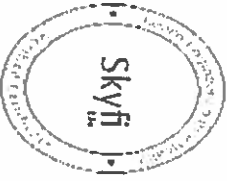
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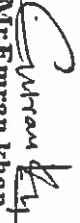
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from 02nd May to 13th May 2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. Emran Khan
Technical faculty,
Skyfi Labs


DR. Y. Hanu Raj
PRINCIPAL
Institute of Engineering & Technology
Mangalpally (V), Patelguda
ANNAMET

By: Abhishekam (M) R.R



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Department of civil Engineering

Date: 24.12.2018

Ref: 01/AVN/CE-4


Circular

All the **III-B.TECH** Students are hereby informed that the department is going to organize a certificate course on “**CANAL MODELLING** ” from **02ND JAN 2019** to **12th JAN 2019** in association with the interested candidates are informed to register their names in the department office on before **31/12/2018**.


HOD-CIVIL

To be read in.

Class room.


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AVNIET/CE/2018-19

DATE: 24.12.2018

From:

MR.T.AJITH,
Assistant professor,
Department of CE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on "CANAL MODELLING"-Reg:-


We have planned to conduct certificate course on "CANAL MODELLING"- in the academic year 2018-19 for III Year students of civil engineering department from 02ND JAN 2019 to 12th JAN 2019 (2 weeks as per the time table). Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


HOD/CE


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I. INTRODUCTION

Irrigation Canal Simulation Models (ICSMs) have become useful and powerful tools for improving efficiency of irrigation water management practices especially at main and secondary Canals system levels. Higher efficiency often translates into increase in command area and crop production. Besides system maintenance and operation of irrigations, ICSMs are tools for conducting research on the hydraulic behaviours of main system level under different management scenarios. Most models combine efficient numerical algorithms and up-to-date user-friendly interfaces and are developed in distribution and high operational losses. The need for improved management of the old canals is recognized and thus provides a good opportunity for the adaptation of ICSMs. The paper reviewed the development approach of ICSMs based on key issues and conditions prevalent in irrigation schemes. The paper further reviewed the requirement for ICSMs to be run and a practical uses to the managers of irrigation schemes. The paper also assessed the applicability of the ICSMs to South African (SA) irrigation schemes. Finally, the paper highlighted the existing limitations that would inhibit the adoption of foreign-based ICSMs in SA and argued that local expertise must be exploited to initiate such Endeavour close collaboration with the engineers and irrigation managers. It has been already used in many different countries: France, Sri Lanka, Pakistan, Burkina Faso, Mexico, Jordan, Senegal, etc. [1]. ICSM usage requires serious investments of time and personnel. Many excellent models are available, although very few can be considered user-friendly for the average design engineer. Canal models can simulate an actual canal, but the user must input the necessary canal gate-control algorithms in order to study the effects of various types of automation and control. Use of ICSMs assists to a large extent in the centralized control system, in combination with trial and error processes; most often determine efficient canal operational policies. ICSMs can also be used as a tool to modernize large irrigation schemes with the aim of improving their efficiencies. This is because schemes established are not normally operated as per design due to: change of crop pattern, introduction of a new water demanding crop or change in policy which may lead to higher scheme water demand. The alternative is physical redesign and constructions leading to additional investment which often overweigh the cost of acquiring or developing an ICSM. Thus, ICSMs are representations of physical schemes in computer which can be calibrated to simulate the actual irrigation canal hydraulic and operational conditions. They can also be used to test design modifications, use of different cropping pattern and crop diversification, and to test new operational rules in the schemes. In South Africa, there are several large irrigation projects used mainly for irrigation. The conveyance and distribution networks of the projects consist of open canals under manual control. They have been designed to serve large irrigation areas in accordance with collective land use requirements. Nowadays the operational conditions are changed and the irrigation projects exist with problems of inequitable water a range in the value of "h" when water can easily be diverted to the farm or another system level with a predetermined "Q". The two major issues, therefore, in simulating flow of irrigation water in a

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canal which can deliver water in accurate and flexible way are, (a) The mathematical concept (equation) that can represent hydraulics of water flow in open canals in steady and unsteady conditions (b) The water level control function in the canal that can give the required and flexible discharge Q within the range of h value. The first issue can be discussed under governing physical processes assumed in ICSMs while the second issue can be presented under water level control function

THE REASONS FOR THE USE

1. Real time control:

A simulation program should not be used for real-time control when the actual canal is already providing the correct, actual data and the simulation program can never exactly predict the flows or water levels because the input data is always imprecise

2. Development of control algorithms and operational strategies:

This is where these models can excel. It is simply impossible to run hundreds of trials on a real canal and have access to all the desired data, but with a simulation model those trials can be done quickly and safely, with full access to all data.

3. Canal design:

Often the canal design only solves for dimensions at maximum (steady) flow rates. If the canal design is completed in conjunction with a study of various advanced gate-control logics, the use of an unsteady model can pinpoint the needs for extra pool storage and freeboard.


4. Studies of when to release water from a dam to a canal with upstream control:

Unsteady models can show how a flow rate and water-level changes pass through a canal system, with static or dynamic control structures.

5. Studies of buffer reservoir operation in canal networks, or studies related to buffer reservoir design: This may be another good potential use for the future generation of models.

WATER LEVEL CONTROL FUNCTION

In general, the water level control function is part of the requirement for solving the Saint Venant equations. It involves the choice of the boundary conditions at the off-take gates for diversion or cross regulators or functions. There are four common boundary conditions encountered in typical irrigation canal systems [14]: a. Constant water level at upstream gates/regulators b. Constant water level at down stream c. Variable discharge at upstream/downstream end d. Conditions a-b at junction of two or more channels The manipulations of these boundary conditions give rise to three types of control algorithms: feedback control, feed forward control and the combination of the two. Feed back control is a situation where the control variables are directly obtained from field measurements. Details are available in [17]


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while examples can be found in [18]. Feed forward control algorithm is sometimes called gate stroking where the computed action variables are compared with the set values of the variables. Example of feed forward control could be found in [19] and [20]. The third algorithm is the combination of the first two control algorithms, generally adopted for a scheme with multi-variable system with several control actions and controlled variables. Examples are available in [21, 22]. The ICSMs can be developed for application in most typical open canal irrigation system through the process described in preceding sections. There are also several software available for use. Some of the available canal hydraulic models software are CANALMAN, DUFLON, CARIMA, MODIS USM and SIC (www.google.com). Each of these models must be calibrated and validated before use as a tool for operational management of an irrigation scheme. Existing simulation models have their positive and negative aspects. The positive aspect is the interest in such models and their usage also model programs are becoming more widely available for use on Personal Computers (PC) and lastly some effective modeling programs exist. The negative part is that these computer programs are not comparable to standard user-friendly PC software. Unsteady canal models with virtually no documentation can provide a very frustrating experience. Canal models, as a rule, have insufficient documentation, require extensive knowledge of programming and hydraulics are cumbersome to manipulate and operate, and have generally been developed for some special circumstance that differs from the new application in just enough ways to be troublesome

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Report On Certificate Program on CANAL MODELLING Organized By

Civil Department:

The department of civil has organized a certificate program on CANAL MODELLING in association with **CADD CENTRE**.


This program was started with an inauguration ceremony by Principal **DRELLAM RAJ** By **Mr.B.Venkateswar Reddy, G.M Technical Consultants AND Chief Consultant Mr.R.V.Chakrapani CADD CENTRE**. On from 02ND JAN 2019 to 12th JAN 2019 at civil seminar hall.

The session was continued by **Mr.B.Venkateswar Reddy** who began with an Introduction to CANAL MODELLING, the session was so interesting to know about new things about CANAL MODELLING.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 80 students of III Year of civil department have attended for the session.


Co-ordinator


HOD


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REPORT ON CANAL MODELLING:

After the introduction of Geographic Information Systems (GIS) and Satellite Remote Sensing, efficient planning of land and water resources is possible. These recent developments provide new ways to collect, store and retrieve, evaluate and analyze a broad variety of data for irrigation canal planning and management aspects. A procedure is designed to derivate the canal distribution system for about 40,000 acres of command area under Sripadasagar Project of Government of Andhra Pradesh, India, that aids the cost- effective selection and design of structures and also to generate the command area register for mains, major distributaries and minors which would eventually formulate the cost of 0.45 million acres of command area. This paper also describes a procedure to design an irrigation canal and to optimize this design in view of efficient and cost effective network. This procedure uses specific data processing functions in GIS to facilitate the canal layout based on physical parameters and economic considerations. Digital information on topography, soils, crop and natural drainage is used to identify the most suitable location for the canals. Digital elevation models (DEM) are applied to prepare the horizontal and vertical canal alignment.

2. Methodology

No system of canal conveyance and distribution can be delineated or designed without considering the topography and the surface characteristics of the terrain. Digital Elevation Model (DEM) represents continuous variation of topography over space that helps in assessing landscape characteristics and has a wide application in surface hydrology modeling. These characteristics help to determine slope, flow directions, areas, boundaries and outlets of drainage basins and ultimately the canal conveyance system. In order to have a faster and precise output, GIS is used to derive the canal system and command area register. The procedure is more or less same for all the tanks and the following tasks have been implemented to derivate the one tank output: a. Collection and Processing of Input

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data b. Generation of DEM, Slope and Aspect c. Deriving Ridges and Valleys d. Delineation of Cabal System and Chack Boundaries e. Generation of Command Area Register 2.a. Collection and Processing of Input data Water resources planning require timely and accurate data with spatial as well as statistical approach. In this regard, GIS holds great promise with a provision to handle spatial and temporal data and aid as an integrative planning tool. For main canals and distributory system, precise and accurate mapping at large scale is needed for the tank command areas for the benefit of farmer's to enrout the canals. The topographic information for the command areas have been derived from the topographic surveys carried out by the total station and GPS. The topographical information includes natural, man made features, spot elevations and the status of existing landuse. Village maps and Pahani data have been collected and processed to generate the Ayacut Register. Using GIS Software a Triangulated Irregular Network (TIN) was generated from the spot elevations and breaklines that influence the terrain topography. By using the TIN, contours have been generated at an interval of 1m and taken as an input for surface hydrology modeling and canal alignments. 2.b. Generation of DEM, Slope and Aspect One of the most sophisticated GIS capabilities which is very useful in hydrographic modeling is the digital representation of the topography of the catchments. The DEM provides the input data for calculating flow direction across terrain, which is subsequently used for creation of stream networks and ridges. DEM was generated through interpolated 1m contours using the DEM Generation Module. This will help to access the three-dimensional topography of the region through which the canal passes. Figure-1 shows the DEM in the raster format. From DEM, command area slope and aspect of the area have been derived from which the flow of the canal could be ascertained. Figure-2 shows the relief of the command area. 2.c. Deriving Ridges and Valleys Figure 1- DEM Figure 2- ASPECT/RELIEF Delineation of surface Hydrology Features from DEM data has become standardized on the eight-direction pour point model in which each cell is connected to one of its eight neighbor cells (four on the principal axes, four on the diagonals) according to the direction of steepest descent. Given an elevation grid, a grid of flow directions is constructed, and from this is derived a grid of flow accumulation, counting the number of cells upstream of a given cell. Streams are identified as lines of cells

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whose flow accumulation exceeds a specified number of cells and thus a specified upstream drainage area. Extracted stream lines obtained with this give us general information about the characteristic of terrain. A relief map has been generated by Figure 3- Ridges Figure 4- Valleys using the DEM to identify the ridges. The delineated features are checked with SOI topo maps. Figure-3 and Figure-4 shows the extracted ridges and valleys of the command area. 2.d. Delineation of Canal System and Chalk Boundaries In general for many irrigation projects the conveyance system includes the Main Canal and distributaries. The distribution system consists of minors and sub minors and supplies water to chacks. All the chacks (nearly 40 hectares) within the area will receive its allocated share of water depending on the size of chacks simultaneously during the period of supply. To find a possible conveyance system the overlay analysis has been used. The slope is the major impact on aligning the canal and it decides whether the flow is under gravity or it has to be pumped to reach its destination. Slope, aspect, land parcels, soils and extracted surface features from the surface hydrology modelling have been superimposed and analyzed on which the existing wet lands, settlements, tanks, hills and other man made features that directly decides the canal system. The main canals forms as contour canal which depends on the FSL at the tank off take. The extracted ridges are the majority that contributes as canal distributaries to the main canals. The major ridges have been identified with reference to extracted ridges from surface hydrology modeling. The area that contributes under each main or distributory depends on the drainage basin it serves under a particular elevation. Figure-5 shows the main canals and distributory system. Once the conveyance system is delineated, the chacks have been formed from the combination of Mains, Distributaries' system and extracted valleys. Figure-6 shows the distributorywise chacks and chalk boundaries. 2. e. Generation of Command Area Register Once the chack boundaries are identified, chack code was given for all the chacks under each distributory. Parcel database was populated externally using the Village Pahani and merged together as one database. Linking of parcel database to the digitized village parcels was done through MS-Access software with reference to the village habitation code and survey number as common fields. Before linking the Survey numbers, extent, type of land and the landowner database was taken from Pahani and sorted out to make the external


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database accurate for linking. A complete command area register has been generated for check, distributory and Figure- 5 Mains and Distributaries Figure-6 Distributorywise chalks with chalk code main wise automatically by using GIS Overlay commands. Fig.7 shows the parcel boundaries, distributaries and chalk boundaries overlaid one over the other. The Table-1 and Table-2 shows abstracts of all the chacks under the first distributory of Right main canal and one check register under the same distributory. Figure- 7 Parcel Information on Distributaries and

Conclusions:

It is clear that advantage of using Geographic Information System (GIS) which in turn using surface hydrology modeling techniques are one of the most simple and straightforward way of providing a decision tool for delineation of distributory system in Irrigation projects. GIS tools allows user to access information and spatial analysis and produce results in the form of maps and tables to take key decisions. While the advantages of using GIS cannot be ignored, there are definitely flaws as well. The quality of data output from the GIS is highly dependent on the quality of the data input. Generating command area registers through old and bad quality village maps may produce errors in the chalk level register.

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Name of Program: CANAL MODELLING

Date: 24.12.2018

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1	155U1A0113	KESHAMGARI SHARAN SAGAR	III	
2	155U1A0114	KONDOJU SAI AKHIL CHARY (RE-ADMITTED)	III	
3	165U1A0101	ANGOTHU SREENU NAIK	III	
4	165U1A0103	AVANAGANTI RAVINDAR REDDY	III	
5	165U1A0105	BANDAMEDI SAI KUMAR	III	
6	165U1A0106	BOTTU AKHIL KUMAR MUDIRAJU	III	
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10	165U1A0113	CHEVULA NAVYA SREE	III	
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32	165U1A0145	MEDI SAI VARAPRASAD	III	Varaprada
33	165U1A0146	MESA MAHESH	III	Mahesh
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35	165U1A0150	NELLA ASHRITHA	III	Ash
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44	165U1A0164	T AJAY	III	Ajay
45	165U1A0165	T DAKESH	III	Dakesh
46	165U1A0166	THAMMANABOYINA VARUN RAJ	III	Varun
47	165U1A0168	THIGULLA DIVYA TEJA	III	Teja
48	165U1A0171	VADLA KARTHIK KUMAR	III	Karthik
49	165U1A0172	VANIMISETTI SAI RAM TEJ	III	Sai ram
50	175U5A0101	AMADAGANI DIVYAVANI	III	Divya
51	175U5A0102	CHALAMALA RAMA KRISHNA	III	Ramya
52	175U5A0103	CHANDA RUCHITA	III	Ruchita
53	175U5A0104	CHERUKU NAVEEN	III	Naveen
54	175U5A0105	DASARI DEVIKA	III	Devika
55	175U5A0107	GADICHERLA RAMDOOT	III	Ramdoof
56	175U5A0108	GAI APARNA	III	Aparna
57	175U5A0109	K MALLESH	III	Mallesh
58	175U5A0110	K NAVEEN	III	Naveen
59	175U5A0111	KALAKOTI SUSHMA	III	Sushma
60	175U5A0112	KALVALA SANTHOSH	III	Santhosh
61	175U5A0113	KOMMU LAKSHMIDEVI	III	Lakshmi
62	175U5A0114	MD MASOOMBABA	III	Masoom
63	175U5A0115	METHUKU SHANKAR	III	Shankar
64	175U5A0116	MUSKU AKHILA	III	Akhila
65	175U5A0117	NALLAVELLI SRIKANTH	III	Srikanth

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66	175U5A0118	PAGADALA NANI	III	Nani
67	175U5A0119	POLOJU VAMSHI KRISHNA CHARY	III	Chary
68	175U5A0121	RATLA VIJAYABHARATHI	III	Bharathi
69	175U5A0122	SAPPIDI CHAITANYA	III	Chaitanya
70	175U5A0123	SOMIDI SWATHI	III	Swathi
71	175U5A0124	T KURUMURTHY	III	Kurumurthy
72	175U5A0125	AKKENAPALLY SHEKHAR	III	Shekhar
73	175U5A0126	ARVAPALLI EASHWAR	III	Eashwar
74	175U5A0129	EDLA SAMARA SIMHA REDDY	III	Samara
75	175U5A0130	ELLANTHAKUNTA VENKATA SAI	III	Venkata Sai
76	175U5A0131	K MEGHANA	III	Meghana
77	175U5A0133	KARNATI VINOD	III	Vinod
78	175U5A0135	M SANDEEP	III	Sandeep
79	175U5A0136	MUSKU NIKHILA	III	Nikhila
80	175U5A0137	PATHLAVATH NAVEEN KUMAR	III	Naveen


Co-ordinator


HOD


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

Program Name: Certificate program on CANAL MODELLING

Dates: 02ND JAN 2019 to 12th JAN 2019

S.No	HALL TICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8	DAY-9	DAY-10
1	155UIA0113	KESHANIGARI SHARAN SAGAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	155UIA0114	KONDOJU SAI AKHIL CHARY (RE-ADMITTED)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	165UIA0101	ANGOTHI SREENU NAIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	165UIA0103	AVANAGANTI RAVINDAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	165UIA0105	BANDAMEDI SAI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	165UIA0106	BOTTU AKHIL KUMAR MUDIRAJU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	165UIA0107	BUDHARAJU KRISHNA VAMSI VARMA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	165UIA0109	CHIAGALAKONDA YOGESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	165UIA0112	CHIENREDDY VARSHINI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	165UIA0113	CHEVULA NAVYA SREE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	165UIA0115	CHIINDAM SHEKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	165UIA0116	DEGALA MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	165UIA0117	DHA VANATH PANDU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	165UIA0118	EDIKUDA RAMAKRISHNA CHARY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	165UIA0119	GADDAM ARAVIND REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	165UIA0121	GARKA BHARATH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	165UIA0122	GATTU MANIDEEP KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	165UIA0123	GOGI REDDY AKHILA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	165UIA0124	GULNAZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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 Ibrahimpatnam (M), R.R.

Program Name: Certificate program on CANAL MODELLING

Dates: 02ND JAN 2019 to 12th JAN 2019

65	175USA0117	NALLAVELLI SRIKANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
66	175USA0118	PAGADALA NANI		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
67	175USA0119	POLOJU VAMSHI KRISHNA CHARY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
68	175USA0121	KATLA VIJAYABHARATHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
69	175USA0122	SAPPIDI CHAITANYA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
70	175USA0123	SOMIDI SWATHI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
71	175USA0124	T KURUMURTHY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
72	175USA0125	AKKENAPALLY SHEKHAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
73	175USA0126	ARVAPALLI EASHWAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
74	175USA0129	EDLA SAMARA SIMHA REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	175USA0130	ELLANTHAKUNTA VENKATA SAI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
76	175USA0131	K MEGHANA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
77	175USA0133	KARNATI VINOD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
78	175USA0135	M SANDEEP		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
79	175USA0136	MUSKU NIKHILA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80	175USA0137	PATHLAVATH NAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Co-Ordinator

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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name Mr.B.Venkateswar Reddy
 Course Name & Topic "certificate program on canal modeling"
 Department CIVIL ENGINEERING
 Academic year 2018-19

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering
 - PO2. Ability to design and conduct experiments, as well as to analyze and interpret data
 - PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
 - PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects
 - PO5 Ability to function on multidisciplinary teams
 - PO6. Ability to identify, formulate, and solves engineering problems
 - PO7. Understanding of professional and ethical responsibility
 - PO8. Ability to communicate effectively
 - PO9. Understanding the impact of engineering solutions
 - PO10. Ability to recognize the need and to engage in life-long learning
 - PO11. Knowledge of contemporary issues
 - PO12. Ability to manage the projects and enhance research through engineering and management fundamentals
- Department of Civil Engineering


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 Mangalghally (V), Patelguda (MP),
 Ibrahimpatnam (M), R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	155UIA0113	KESHAMGARI SHARAN SAGAR	Po1, Po2, Po3, Po4	✓					Sagar
2	155UIA0114	ADMITTED)	Po1, Po3, Po5, Po6	✓					Ashish
3	165UIA0101	ANGOTHU SREENU NAIK	Po6, Po7, Po8	✓					Sreenu
4	165UIA0103	AVANAGANTI RAVINDAR REDDY	Po2, Po7, Po4	✓					Ravindar
5	165UIA0105	BANDAMEDI SAI KUMAR	Po1, Po2, Po3, Po4		✓				Sai Kumar
6	165UIA0106	BOTTU AKHIL KUMAR MUDIRAJU	Po1, Po2, Po3, Po4	✓					Akhil
7	165UIA0107	VARMA	Po1, Po2, Po6	✓					Varma
8	165UIA0109	CHAGALAKONDA YOGESH	Po1, Po1, Po5	✓					Yogesh
9	165UIA0112	CHENIREDDY VARSHINI	Po1, Po2, Po3	✓					Varshini
10	165UIA0113	CHEVULA NAVYA SREE	Po2, Po3, Po4	✓					Navya
11	165UIA0115	CHINDAM SHEKAR	Po1, Po3, Po5	✓					Shekar
12	165UIA0116	DEGALA MAHESH	Po5, Po6, Po7, Po8	✓					Mahesh
13	165UIA0117	DHAVANATH PANDU	Po1, Po2, Po3	✓					Pandu
14	165UIA0118	EDIKUDA RAMAKRISHNA CHARY	Po2, Po3, Po4	✓					Chary
15	165UIA0119	GADDAM ARAVIND REDDY	Po1, Po2, Po3, Po4	✓					Aravind
16	165UIA0121	GARKA BHARATH	Po1, Po2, Po3	✓					Bharath
17	165UIA0122	GATTU MANIDEEP KUMAR	Po4, Po5, Po7, Po8	✓					Manideep
18	165UIA0123	GOGIREDDY AKHILA	Po1, Po2, Po3	✓					Akhila
19	165UIA0124	GULNAZ	Po1, Po2, Po3	✓					Gulnaz
20	165UIA0127	JAJULA BALAKRISHNA	Po1, Po2, Po3, Po4	✓					Balakrishna
21	165UIA0128	AMANDLA LAVEENREDDY	Po1, Po3, Po5	✓					Laveen
22	165UIA0129	JARUPULA NARESH	Po1, Po2, Po3	✓					Naresh
23	165UIA0130	K ARAVIND KUMAR	Po1, Po2, Po3	✓					Aravind
24	165UIA0132	KADARI KRISHNA	Po2, Po3, Po4	✓					Krishna
25	165UIA0133	KANDADA SUSHMITHA REDDY	Po2, Po4, Po5, Po6	✓					Sushmitha
26	165UIA0134	KARNI SHYAM SUNDER	Po1, Po2, Po3	✓					Shyam
27	165UIA0136	KATIPELLY AKANKSHA	Po1, Po2, Po3	✓					Akanksha
28	165UIA0137	KATKAM NAVEEN KUMAR	Po2, Po4, Po5, Po6	✓					Naveen
29	165UIA0141	MALAVATH NARENDRA	Po2, Po3, Po5	✓					Narendra

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Chimbalam (M), R.R.

30	165UIA0143	MANISH KUMAR									nmudhar
31	165UIA0144	MARRI SHIVAKARTHIK REDDY					✓				iceem
32	165UIA0145	MEDI SAI VARAPRASAD					✓				SSEPA
33	165UIA0146	MESA MAHESH					✓				Manamrutha
34	165UIA0149	NELAPATLA V SAI LAXMI PRIYANKA					✓				Madhava
35	165UIA0150	NELLA ASHIRITHA					✓				Ashwathis
36	165UIA0151	NENA VATH PRIYANKA					✓				Shale
37	165UIA0152	NIMMAGADDA SREE SRAVYA					✓				Pritya
38	165UIA0153	NITTU SRINIVAS					✓				Siva
39	165UIA0155	POLA SINDU					✓				Saravina
40	165UIA0158	RAMDAS HARITHA					✓				Sarodhy
41	165UIA0159	SAMALA HARIKRISHNA					✓				Haritha
42	165UIA0160	SAMALA VIJENDRA REDDY					✓				Chaitanya
43	165UIA0162	SUMREDDY SRUJA					✓				Vijayalakshmi
44	165UIA0164	T AJAY					✓				Sarath
45	165UIA0165	T DAKESH					✓				Ajay
46	165UIA0166	THAMANABOYINA VARUN RAJ					✓				Daksh
47	165UIA0168	THIGULLA DIVYA TEJA					✓				Vijay
48	165UIA0171	VADLA KARTHIK KUMAR					✓				Teja
49	165UIA0172	VANIMISETTI SAI RAM TEJ					✓				Karthik
50	175U5A0101	AMADAGANI DIVYAVANI					✓				Sowjanya
51	175U5A0102	CHALAMALA RAMA KRISHNA					✓				Dinesh
52	175U5A0103	CHANDA RUCHITA					✓				Ruchi
53	175U5A0104	CHERUKU NAVEEN					✓				Ravi
54	175U5A0105	DASARI DEVIKA					✓				Navanya
55	175U5A0107	GADICHERLA RAMDOOT					✓				Devika
56	175U5A0108	GAI APARNA					✓				Randee
57	175U5A0109	K MALLESH					✓				Aparna
58	175U5A0110	K NAVEEN					✓				Malleesh
59	175U5A0111	KALAKOTI SUSHIMA					✓				Navanya
60	175U5A0112	KALVALA SANTHOSH					✓				Senth
61	175U5A0113	KOMMU LAKSHMIDEVI					✓				Santhosh
62	175U5A0114	MD MASOOMBABA					✓				Sai

MANGALPALLY MUNICIPAL

Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R

63	175U5A0115	METHUKU SHANKAR	Pos, Pos, Pos, Pos	✓			Pravin
64	175U5A0116	MUSKU AKHILA	Pos, Pos, Pos	✓			Shweta
65	175U5A0117	NALLAVELLI SRIKANTH	Pos, Pos, Pos	✓			Abhinav
66	175U5A0118	PAGADALA NANI	Pos, Pos, Pos	✓			Satish
67	175U5A0119	POLOJU VAMSHI KRISHNA CHARY	Pos, Pos, Pos, Pos	✓			Naveen
68	175U5A0121	RATLA VIJAYABHARATHI	Pos, Pos, Pos	✓			Chengal
69	175U5A0122	SAPPIDI CHAITANYA	Pos, Pos, Pos	✓			Shwetha
70	175U5A0123	SOMIDI SWATHI	Pos, Pos, Pos	✓			Shwetha
71	175U5A0124	T KURUMURTHY	Pos, Pos, Pos	✓			Swathi
72	175U5A0125	AKKENAPALLY SHEKHAR	Pos, Pos, Pos	✓			Pravin
73	175U5A0126	ARVAPALLI EASHWAR	Pos, Pos, Pos	✓			Shwetha
74	175U5A0129	EDLA SAMARA SIMHA REDDY	Pos, Pos, Pos	✓			Shwetha
75	175U5A0130	ELLANTHAKUNTA VENKATA SAI	Pos, Pos, Pos	✓			Shwetha
76	175U5A0131	K MEGHANA	Pos, Pos, Pos, Pos	✓			Shwetha
77	175U5A0133	KARNATI VINOD	Pos, Pos, Pos, Pos	✓			Shwetha
78	175U5A0135	M SANDEEP	Pos, Pos, Pos, Pos	✓			Shwetha
79	175U5A0136	MUSKU NIKHILA	Pos, Pos, Pos, Pos	✓			Shwetha
80	175U5A0137	PATHLAVATH NAVEEN KUMAR	Pos, Pos, Pos, Pos	✓			Shwetha


 HOD



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 Mangalpatly (V), Patelguda & Technology,
 Ibrahimpatnam (M), R.R.




TWO WEEKS TRAINING PROGRAM ON CANAL MODELLING


Certificate of completion


This is to certify that Sri./Mr./Ms.

T. Divya Teja Reddy CHS No: 1650/170165J

has completed a two week certificate program on "CANAL MODELLING" Organized by CADD Centre
Hyderabad at AVN Institute of Engineering and Technology, held from 2nd January to 12th January 2019.


Co-ordinator
Hyderabad
12th January 2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. B. Venkateshwar Reddy
Trainer
CADD Centre Hyd.


Dr. Ellahr Raj
Principal
AVNIET



TWO WEEKS TRAINING PROGRAM ON CANAL MODELLING

Certificate of completion

This is to certify that Sri./Mr./Ms.

Musku Akhila (H.No: 175V5A016)

has completed a two week certificate program on "CANAL MODELLING" Organized by CADD Centre Hyderabad at AVN Institute of Engineering and Technology, held from 2nd January to 12th January 2019.

[Signature]
Co-ordinator
Hyderabad
12th January 2019.

[Signature]
Dr.Md.Sudhan
HOD
Civil Dept.

[Signature]
Mr.B.Venkateshwar reddy
Trainer
CADD Centre Hyd.

[Signature]
Dr.Elham Raj
Principal
AVN IET

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
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TWO WEEKS TRAINING PROGRAM ON CANAL MODELLING

Certificate of completion

This is to certify that Sri./Mr./Ms.

Chenneddy Vasishri Reddy CH.No: 16501701027

has completed a two week certificate program on "CANAL MODELLING" Organized by CADD Centre
Hyderabad at AVN Institute of Engineering and Technology, held from 2nd January to 12th January 2019.

Co-ordinator
Hyderabad
12th January 2019.

Dr. Md. Subhan
HOD
Civil Dept.

Mr. B. Venkateshwar reddy
Trainer
CADD Centre Hyd.

Dr. Elam Raj
Principal
AVNIET

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Ibrahimpatnam (M). R.R.



Department of civil Engineering

Date: 06.09.2019

Ref: 03/AVN/CE


Circular

All the **II- B.TECH** Students are hereby informed that the department is going to organize a certificate course on “**Planning and Design of Commercial, Residential Building**” from **12/09/2019** to **23/09/2019**. In association with **Skyfi Labs**. The interested candidates are informed to register their names in the department office on before **11/09/2019**.


HOD-CIVIL

To be read in,

Class room.


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AVNIET/CE/2018-19

DATE: 06.09.2019

From:

MR.PRABHAKAR,

Assistant professor,

Department of CE,

AVNIET-Ibp.

To

The Principal,

AVN Institute of Engineering and Technology.

Hyderabad-501510.


Sir,

Sub: permission for conduct certificate course on "Planning and Design of Commercial, Residential Building"-Reg:-

We have planned to conduct certificate course on "Planning and Design of Commercial, Residential Building"- in the academic year 2018-19 for II Year students of civil engineering department from 12/09/2019 to 23/09/2019 Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


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HOD/CE



TRAINING COURSE

Planning and Design of Commercial, Residential Building

12/09/2019 to 23/09/2019

Structural engineering deals with the analysis and design of structures. It helps engineers to understand the behavior of a structure when subjected to varied loads and design an efficient structure accordingly.

The design of tall buildings essentially involves conceptual design, approximate analysis, preliminary design and optimization to safely carry different loads acting on the structure. The structural design for a skyscraper must ensure that the building is able to stand up safely, able to function without excessive deflections or movements which may cause fatigue of structural elements, cracking or failure of fixtures, fittings or partitions, or discomfort for occupants.

As part of this training program, you will also learn about Construction Project Management (CPM) which exposes you to the concepts & methodologies behind scheduling, planning, monitoring, controlling a construction project. Apart from knowing the theoretical concepts, you will also learn to manage a construction project by working on industrial grade software.

Construction industry is one of the largest industries in the world, and one that has the highest stakes. Construction project management is the art of undertaking a construction project to meet its cost, time and quality deadlines in a sustainable way.

In short, with this training program you will be able to design a tall structure and understand different stages of a construction project management.

Course Highlights

- Analyze and design a building using an industry grade software
- Understand the effect of wind load on high rise building
- Learn what project management is and the qualities of an effective project manager
- Understand different phases of a construction project
- Learn how to manage resources within the given budget and timeline
- This workshop will take you to the exciting concept behind the Structural analysis and different phases of planning

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Ibrahimpatnam (M), R.R.



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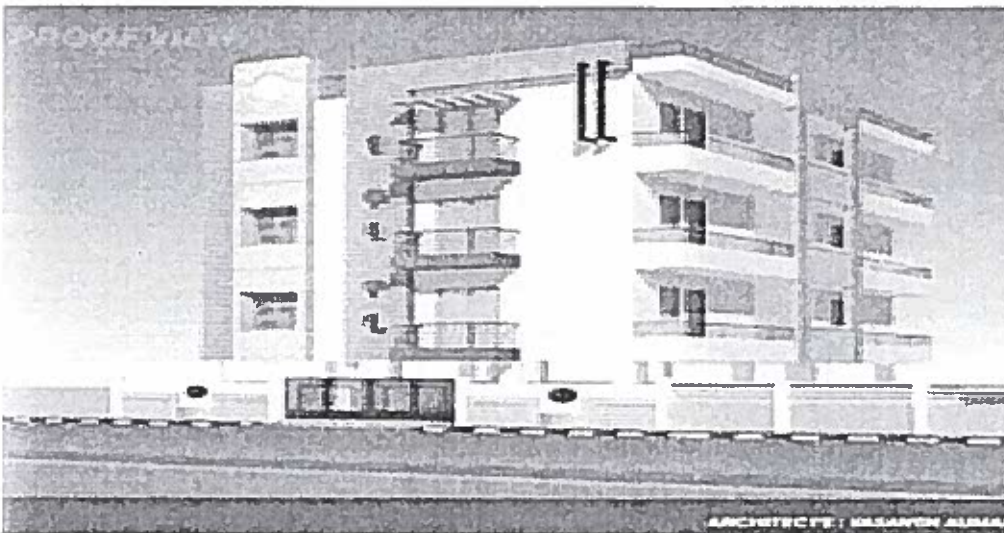
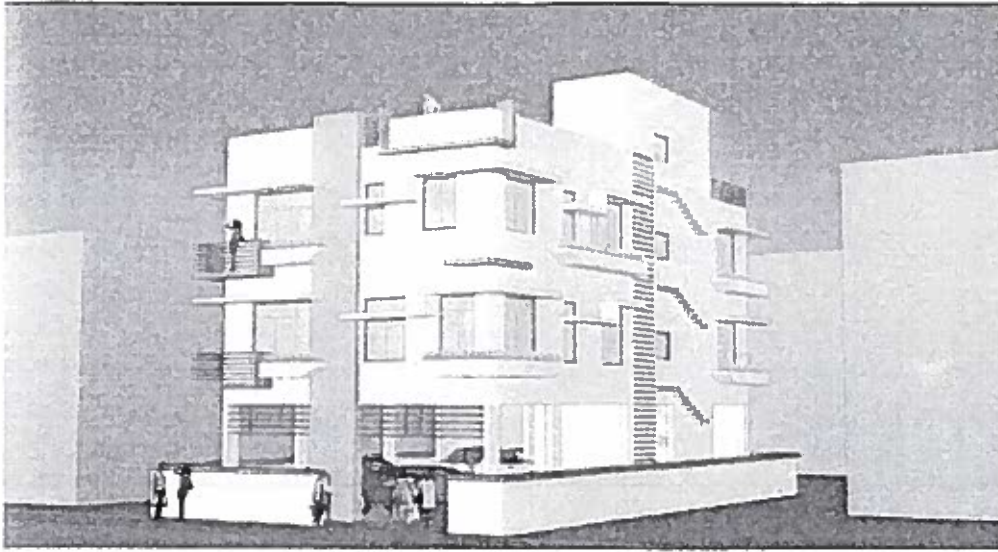
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Course Coordinator:

Mr.S.NARESH

Assistant Professor

The Civil Engineering Department.

E-mail:nareshsiliveru12@gmail.com

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Ibrahimpatnam (M), R.R.



Topics Covered

- **Lecture Session**

- Introduction to high rise building and skyscrapers
- Overview on various structural systems
- Load resisting systems
- Codes requirements conforming to Indian Standard
- Wind Analysis in Structure
- Introduction to Construction Project Management
- Project Life Cycle
- Planning and Scheduling
- Earned Value Management

- **Practical Session (using Industry-grade software)**

- Design of Tall Buildings- G+5
- Design of complex tall buildings G+7
- Wind Analysis – Explanation and Practical
- Introduction to Primavera- Changing calendar, Time units, currencies
- Critical Path Method
- Resource adding and Earned Value Management
- Project in Primavera


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SCHEDULE

Date	Syllabus
12/09/2019	Introduction to high rise building and skyscrapers Overview on various structural systems
13/09/2019	Load resisting systems Codes requirements conforming to Indian Standard
14/09/2019	Wind Analysis in Structure Introduction to Construction Project Management
16/09/2019	Design of Tall Buildings- G+5
17/09/2019	Design of complex tall buildings G+7
18/09/2019	Wind Analysis – Explanation and Practical
19/09/2019	Introduction to Primavera- Changing calendar, Time units, currencies
20/09/2019	Planning and Scheduling
21/09/2019	Resource adding and Earned Value Management
22/09/2019	Earned Value Management Project in Primavera

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List of participants:**Name of Program: Planning and Design of Commercial, Residential Building**

S.No	HALLTICKET NUMBER	STUDENT NAME	YEAR	SIGNATURE
1	175U1A0121	DONURU GREESHMA	II	<i>Greeshma</i>
2	175U1A0122	DUDIPALA SAI KIRAN REDDY	II	<i>Kiran</i>
3	175U1A0123	G RAMAKRISHNA REDDY	II	<i>Ramakrishna</i>
4	175U1A0124	G SHARATH KUMAR REDDY	II	<i>Sharath</i>
5	175U1A0125	GANJI RAVITEJA	II	<i>Raviteja</i>
6	175U1A0128	GUMMUDALA VINAY GOUD	II	<i>Vinay</i>
7	175U1A0129	GUNDLAPALLI HARIKA	II	<i>Harika.</i>
8	175U1A0130	GURRAM SAI KUMAR REDDY	II	<i>Sai Kumar</i>
9	175U1A0131	JITTA NAVEEN KUMAR	II	<i>Naveen</i>
10	175U1A0132	JONNALA PRASHANTH REDDY	II	<i>Prashanth</i>
11	175U1A0133	K KARTHIK	II	<i>Karthik</i>
12	175U1A0134	K RAVITEJA	II	<i>Raviteja</i>
13	175U1A0137	KALAKONDA SHIVA	II	<i>Shiva</i>
14	175U1A0138	KAMUNIPALLI VISHRUTH	II	<i>Vishruth</i>
15	175U1A0139	KANCHARLA SAIKUMAR REDDY	II	<i>Saikumar</i>
16	175U1A0140	KANUGULA NAVEEN	II	<i>Naveen</i>
17	175U1A0144	KUMAR BANOTH	II	<i>Banoth</i>
18	175U1A0145	KURENDA BHARATH KUMAR	II	<i>Bharath</i>

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19	175U1A0146	MALLEPALLI NAVEEN REDDY	II	Naveen
20	175U1A0147	MUKKA ROHITH	II	Rohith
21	175U1A0148	NAGARA AKHIL	II	Akhil
22	175U1A0149	PABBATI RAKESH YADAV	II	Rakesh
23	175U1A0150	PANJAM SRIJA	II	Srija
24	175U1A0151	PASULA KERTHI VARDHINI	II	Kerthi
25	175U1A0153	RAMAVATH RAKESH	II	Rakesh
26	175U1A0154	PUTLURI SRINIVAS REDDY	II	Srinivas
27	175U1A0156	RAVULA AJAY KUMAR	II	Ajay
28	175U1A0157	ROHITH MUDETHULA	II	Rohith
29	175U1A0158	RUDRA BHAVANI	II	Rudra
30	175U1A0159	SADHU RAMANA	II	Ramana
31	175U1A0161	SAI REVANTH JAKKULA	II	Revanth
32	175U1A0164	SURKANTI AMARENDER REDDY	II	Amarender
33	175U1A0165	T GOURAV SINGH	II	Gourav
34	175U1A0166	THALARI NAVEEN KUMAR	II	Naveen
35	175U1A0169	VANKUDOTHU NAVEEN	II	Naveen
36	175U1A0172	VARKALA SANDEEP GOUD	II	Sandeep
37	155U1A0128	SIRIKONDA HAREESH	II	Hareesh
38	165U1A0147	NALLAPU RAJENDER	II	Rajender
39	185U5A0101	AGRISHETTY NARESH	II	Naresh
40	185U5A0102	ALETI SIDHARTHA REDDY	II	Sidhartha
41	185U5A0103	ANGADALA VENKATESH	II	Venkatesh

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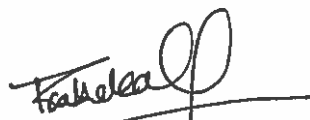
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42	185U5A0104	BONTHA SHIRISHA	II	Shirisha
43	185U5A0105	BAYYA NAVEENKUMAR	II	Naveen
44	185U5A0106	BODDUPALLY PRUTHVI RAJ	II	Pruthvi
45	185U5A0107	BORRA SANGEETHA	II	Sangeetha
46	185U5A0108	BYAGARI SAI KUMAR	II	Sai Kumar
47	185U5A0109	CHEVVA PRANAYA	II	Pranaya
48	185U5A0110	CHINDAM SIRISHA	II	Sirisha
49	185U5A0111	CHINNALACHHI SURESH	II	Suresh
50	185U5A0112	D MAHESH	II	Mahesh
51	185U5A0135	P SAI TEJA	II	Sai Teja
52	185U5A0136	P SURESH SAGAR	II	Suresh Sagar
53	185U5A0137	PALLI VENKATASAI	II	Venkatasai
54	185U5A0138	PANDIRI SUSMITHA	II	Susmitha
55	185U5A0139	PENDEM SHIRISHA	II	Shirisha


Co-ordinator


HOD


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Report on

Certificate program on Planning and Design of Commercial, Residential Building

The department of civil has organized a certificate program on **Planning and Design of Commercial, Residential Building** in association with **Skyfi Labs. Hyd.**

This program was started with an inauguration ceremony by Head of the department **DR.AMARESH SOANPET** and **Mr. T.HARSHAVARDHAN** Technical faculty, **Skyfi Labs. Hyd.** On **12/09/2019** at civil **AUTOCAD LAB.**

The session was continued by **Mr. T.HARSHAVARDHAN** who began with an Introduction to building planning and CADD Software, the session was so interesting to know about new things about Trends and Developments in CADD Software.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 55 students of II Year Students of civil department have attended for the session.


Co-ordinator


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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name Mr.T.Harshavardhan
Course Name & Topic “certificate Program on Planning and Design of Commercial, Residential Building”
Department CIVIL ENGINEERING
Academic year 2018-19 (12/09/2019 to 23/09/2019)

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering
 - PO2. Ability to design and conduct experiments, as well as to analyze and interpret data
 - PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
 - PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects
 - PO5 Ability to function on multidisciplinary teams
 - PO6. Ability to identify, formulates, and solves engineering problems
 - PO7. Understanding of professional and ethical responsibility
 - PO8. Ability to communicate effectively
 - PO9. Understanding the impact of engineering solutions
 - PO10. Ability to recognize the need and to engage in life-long learning
 - PO11. Knowledge of contemporary issues
 - PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.
- Department of Civil Engineering

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 Ibrahimpatnam (M), R.R.

20	175UIA0147	MUKKA ROHITH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	175UIA0148	NAGARA AKHIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
22	175UIA0149	PABBATI RAKESH YADAV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	175UIA0150	PANJAM SRUJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24	175UIA0151	PASULA KERTHI VARDHINI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	175UIA0153	RAMAVATH RAKESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	175UIA0154	PUTLURI SRINIVAS REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	175UIA0156	RAVULA AJAY KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	175UIA0157	ROHITH MUDETHULA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	175UIA0158	RUDRA BHAVANI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	175UIA0159	SADHU RAMANA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	175UIA0161	SAI REVANTH JAKKULA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	175UIA0164	SURKANTI AMARENDER REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
33	175UIA0165	T GOURAV SINGH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
34	175UIA0166	THALARI NAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
35	175UIA0169	VANKUDOTHU NAVEEN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	175UIA0172	VARKALA SANDEEP GOUD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	155UIA0128	SIRIKONDA HAREESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	165UIA0147	NALLAPU RAJENDER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
39	185U5A0101	AGRISHETTY NARESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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S.No	HALLTICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8	DAY-9	DAY-10
1	175UIA0121	DONURU GREESHMA	✓	✓		✓	✓	✓	✓	✓	✓	✓
2	175UIA0122	DUDIPALA SAI KIRAN REDDY	✓		✓	✓	✓	✓	✓	✓	✓	✓
3	175UIA0123	G RAMAKRISHNA REDDY	✓	✓		✓	✓	✓	✓	✓	✓	✓
4	175UIA0124	G SHARATH KUMAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	175UIA0125	GANJI RAVITEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	175UIA0128	GUMMUDALA VINAY GOUD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	175UIA0129	GUNDLAPALLI HARIKA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	175UIA0130	GURRAM SAI KUMAR REDDY	✓	✓		✓	✓	✓	✓	✓	✓	✓
9	175UIA0131	JITTA NAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	175UIA0132	JONNALA PRASHANTH REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	175UIA0133	K KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	175UIA0134	K RAVITEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	175UIA0137	KALAKONDA SHIVA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	175UIA0138	KAMUNIPALLI VISHRUTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	175UIA0139	KANCHARLA SAIKUMAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	175UIA0140	KANUGULA NAVEEN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	175UIA0144	KUMAR BANOTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	175UIA0145	KURENDA BHARATH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19	175UIA0146	MALLEPALLI NAVEEN REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

40	185U5A0102	ALETI SIDHARTHA REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	185U5A0103	ANGADALA VENKATESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	185U5A0104	BONTHA SHIRISHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
43	185U5A0105	BAYYA NAVEENKUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	185U5A0106	BODDUPALLY PRUTHVI RAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	185U5A0107	BORRA SANGEETHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
46	185U5A0108	BYAGARI SAI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
47	185U5A0109	CHEVVA PRANAYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
48	185U5A0110	CHINDAM SIRISHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
49	185U5A0111	CHINNALACHHI SURESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	185U5A0112	D MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
51	185U5A0135	P SAI TEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
52	185U5A0136	P SURESH SAGAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
53	185U5A0137	PALLI VENKATASAI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
54	185U5A0138	PANDIRI SUSMITHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
55	185U5A0139	PENDEM SHIRISHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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AVM Institute of Engineering & Technology
Mangalpally (V), Patancheru (R.R.)
Ibrahimpatnam (M). R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	175UIA0121	DONURU GREESHMA	PO1, PO2, PO3, PO5, PO6	✓					GreeNa
2	175UIA0122	DUDIPALA SAI KIRAN REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
3	175UIA0123	G RAMAKRISHNA REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
4	175UIA0124	G SHARATH KUMAR REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
5	175UIA0125	GANJI RAVITEJA	PO1, PO2, PO3, PO5, PO6	✓	✓				Handwritten
6	175UIA0128	GUMUDALA VINAY GOUD	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
7	175UIA0129	GUNDLAPALLI HARIKA	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
8	175UIA0130	GURRAM SAI KUMAR REDDY	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
9	175UIA0131	JITTA NAVEEN KUMAR	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
10	175UIA0132	JONNALA PRASHANTH REDDY	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
11	175UIA0133	K KARTHIK	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
12	175UIA0134	K RAVITEJA	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
13	175UIA0137	KALAKONDA SHIVA	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
14	175UIA0138	KAMUNIPALLI VISHRUTH	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
15	175UIA0139	KANCHARLA SAIKUMAR REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
16	175UIA0140	KANUGULA NAVEEN	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
17	175UIA0144	KUMAR BANOTH	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
18	175UIA0145	KURENDA BHARATH KUMAR	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
19	175UIA0146	MALLEPALLI NAVEEN REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
20	175UIA0147	MUKKA ROHITH	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
21	175UIA0148	NAGARA AKHIL	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
22	175UIA0149	PABBATI RAKESH YADAV	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
23	175UIA0150	PANJAM SRUJA	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
24	175UIA0151	PASULA KERTHI VARDHINI	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
25	175UIA0153	RAMAVATH RAKESH	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
26	175UIA0154	PUTLURI SRINIVAS REDDY	PO1, PO2, PO3, PO5, PO6	✓					Handwritten
27	175UIA0156	RAVULA AJAY KUMAR	PO1, PO2, PO3, PO5, PO6		✓				Handwritten
28	175UIA0157	ROHITH MUDETHULA	PO1, PO2, PO3, PO5, PO6	✓					Handwritten

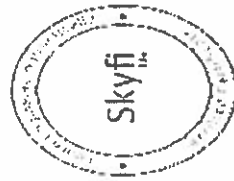
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Ithrahimpattinam (M), R.R.

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Certificate of completion

This is to certify that Sri./Mr./Ms.

Sh. Ravi Teja [H.T No: 1750190125]

has completed a two week certificate program on " Planning and Design of
Commercial, Residential Building" Organized by skyfi labs. Hyd. at AVN
Institute of Engineering and Technology, held from 12/09/2019 to 23/09/2019.


Dr. Md. Subhan
HOD
Civil Dept.


Dr. Y. Ellappa Raj
Principal
Technical faculty
MANGALPALLY MUNICIPAL
SKYFI INSTITUTE OF ENGINEERING & TECHNOLOGY
MANGALPALLY (M) R.B.

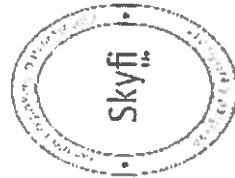
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10 Days Training Program on Planning and Design of Commercial, Residential Building


Certificate of completion

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D. Greesha [H.T.No: 17501A0121]

has completed a two week certificate program on " Planning and Design of
Commercial, Residential Building" Organized by skyfi labs Hyd. at AVN
Institute of Engineering and Technology. held from 12/09/2019 to 23/09/2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. P. Harshavardhan
Technical faculty
Skyfi labs

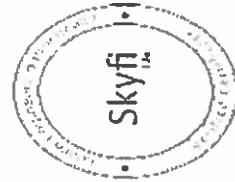

Dr. P. Ellyn Raj
PRINCIPAL, Principal
Institute of Engineering & Technology
Mangalagally (V), Patalguda (ME)
Ibrahimpatnam (M), R.R

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Certificate of completion

This is to certify that **Sri/Mr./Ms.**

Rudra Bhavani H.T No: 17501A0158

has completed a two week certificate program on " Planning and Design of
Commercial, Residential Building" Oganized by skyfi labs. Hyd. at AVN
Institute of Engineering and Technology. held from 12/09/2019 to 23/09/2019.


Dr. Md. Subhan
HOD
Civil Dept.


Mr. T. Harshavardhan
Principal
Technical faculty
Skyfi labs,Hyd.
AVN Institute of Engineering & Technology
Principal
Mangalpally (V), Patelguda (MP),
Ibrahimpattanam (M). R.R.



AVN Institute of Engineering & Technology

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Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345, 92461 72317
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Department of Mechanical Engineering

Date: 25/03/2019


CIRCULAR

All the B.Tech Mechanical final year students are hereby informed that, a **Two Week Certificate program on "CATIA"** will be conducted on **01/04/2019 to 13/04/2019**. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms


H O D


Principal
AVN Institute of Engineering & Technology
Mangalpatly (M), Patelguda (MP),
Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

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Department of Mechanical Engineering

AVNIET/ME/2018-19/ODD/CP/03

DATE: 14.03.2019

From:

Mr.B.Ramesh,
Asst. professor,
Department of ME,
AVNIET-lbp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conducting certificate program on “ CATIA ” -Reg:-

We have planned to conduct a certificate program on CATIA in the academic year 2018-19 for IV Year students of mechanical engineering department from 01.04.2019 to 13.04.2019 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.

Coordinator

HOD/ME

PRINCIPAL

Principal
AVN Institute of Engineering & Technology
Mangalapuram, Patelguda (M.P.),
Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

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Department of Mechanical Engineering

CATIA SYLLABUS

1. Introduction:

CATIA as a CAD software :- Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management, drawing profiles. Major user industries of Catia. Why Catia is preferred?

2. Sketcher:

Profile toolbar, operation (corner, chamfer, relimitations, transformations, project 3D element), constraints, types of constraints, workbench.

sketch tools, tools (Sketch solving status, sketch analysis, output feature), visualization toolbar, user selection filter.

3. Modeling of Machined component:

Material Addition and Removal (Pad, Pocket, Shaft, Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole.

Pattern (Rectangular, Circular, User) , Thread/Tap, Datum Features (Plane, Axes, Points), Simple Draft. Frequently used commands for Machined components in Catia / Creo

4. Modelling of Machined Component (Part Modelling)

Advance Design features :- Axis System, Types of draft, Shell, Stiffener, rib slot, Multisection solid, Removed multisection solid. Apply Material. Measure, Render.

Principal
AVN Institute of Engineering & Technology
Department of Mechanical Engineering
Koheda Road, M.P. Patelguda Post, Ibrahimpatnam (M)
Ranga Reddy Dist. (V), Patalguda (M), N.V.
Maggalpathy, (V), N.V.
Ibrahimpatnam (M), P.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: CATIA

Date: 01-04-2019 TO 13-04-2019

A.Y:- 2018-19


STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALTTICKET NUMBER	STUDENT NAME	SIGNATURE
1	145U1A03A3	YENDRU RAMANJANEYULU	Y. Ramesh
2	155U1A0302	BADHULA GANESH	B. Ganesh
3	155U1A0304	CHAVVA THIRUPATHAIAH	C. Theerth
4	155U1A0308	GANDIGARI SUNIL	G. Sunil
5	155U1A0309	GANJI PRAVEEN KUMAR	G. Praveen
6	155U1A0311	K HARI KRISHNA	K. Krishna
7	155U1A0312	K SHIVANNA	K. Shivan
8	155U1A0313	KATTAM NIKHIL	K. Nikhil
9	155U1A0314	KOTLA NITHIN	K. Nithin
10	155U1A0315	VENKATARAMANA SRIRAMADAS	V. Ramadas
11	155U1A0317	LAVURI BABU	L. Babu
12	155U1A0318	M AKHIL KUMAR GOUD	M. Akhil
13	155U1A0319	MALIGIREDDY SAI KIRAN REDDY	M. Sai Kiran
14	155U1A0320	MANCHIREDDY SYLVESTER KANTH	M. Sylvester
15	155U1A0323	MOHD FARHAN	M. Farhan
16	155U1A0324	MOHD ZUBAIR	M. Zubair
17	155U1A0326	VIBUDHI ANAND	V. Anand
18	155U1A0327	POTHI REDDY VIKKAS REDDY	P. Vikkas
19	155U1A0328	KOTIAPALLY RAJKUMAR	K. Rajkumar
20	155U1A0330	SAPAVATH PRASAD	S. Prasad
21	155U1A0333	SHOEB UR RAHMAN	S. Rahman
22	155U1A0334	SIDDHOJU VAMSHIKIRAN	S. Vamshikiran
23	155U1A0335	SRIRAMULA KARTHIK	S. Kartik
24	155U1A0336	SUDINI PAVAN REDDY	S. Pavan
25	165U5A0301	AKULA BALU	A. Balu
26	165U5A0302	ARE RAMAKRISHNA	A. Krishna
27	165U5A0303	ARUNA JYOTHI KALVAGADDA	A. Jyothi
28	165U5A0304	BOINI RAJASHEKAR	B. Rajashekar
29	165U5A0305	BOLLEPALLI SANDEEP	B. Sandeep
30	165U5A0306	C DASTAGIRI	C. Dastagiri
31	165U5A0308	D YADAGIRI	D. Yadagiri
32	165U5A0309	DEERAWATH MADHU	D. Madhu
33	165U5A0310	DEVARAPAGA SAIRAMUDU	D. Sairamudu
34	165U5A0311	DEVI SANDHYA	D. Sandhya
35	165U5A0313	G SHIRISHA	G. Shirisha
36	165U5A0314	GAMALAPATI SAIKUMAR	G. Saikumar
37	165U5A0315	GOTTAM PRASHANTHI	G. Prashanthi
38	165U5A0316	ILLA NAVEEN	I. Naveen
39	165U5A0317	K SANDEEPGOUD	K. Sandeep
40	165U5A0318	KICHANAGARI NIKHIL	K. Nikhil
41	165U5A0319	DEEKONDA KIRAN	D. Kiran

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Ibrahimpatnam (M) R.R.

42	165U5A0321	KOTHAGOLLA VENKATESH	KDw
43	165U5A0322	KOUDE SHIRISHA	K. Shm
44	165U5A0323	MALOTH KARTHEEK	Karth
45	165U5A0324	MALOTH SAGAR	M. Sagar
46	165U5A0325	MATAM SARASWATHI	Sarathi
47	165U5A0326	MOTE NARMADHA	M. Narmadha
48	165U5A0327	MUDAVATH AKHILA	M. Akhila
49	165U5A0328	NUNE VAMSHI	N. Vamshi
50	165U5A0330	RAJAVARAPU SATISH BABU	R. Satish
51	165U5A0332	SALIGANTI ASHOK	S. Ashok
52	165U5A0333	SAGGEM SANDEEP	S. Sandeep
53	165U5A0334	THODETI NAVEEN	T. Naveen
54	165U5A0335	THORTHII MAHESH	M.


HOD



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Ibrahimpattanam (M), R.R.



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Department of Mechanical Engineering

Report On Certificate Program on CATIA Organized By Mechanical Department:

The department of Mechanical Engineering has organized a certificate program on CATIA in association with **HYUNDAI Hyd.**

This program was started with an inauguration ceremony by Principal **DRELLAM RAJ** by **Mr.G.SRIKANTH** Technical partner, **HYUNDAI Hyd.** On **1/04/2019** at **Mechanical CAD/CAM LAB.**

The session was continued by **Mr. G.SRIKANTH** who began with an Introduction to catia, the session was so interesting to know about new things about modeling of objects.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 54 members of IV Year Students of Mechanical Engineering department have attended for the program. It's conducted from 1-04-2019 to 13-04-2019.


Co-Ordinator


HOD



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Ibrahimpatnam (M), R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: CATIA

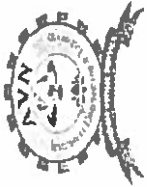
Date: 01-04-2019 TO 13-04-2019

A.Y:- 2018-19

STUDENT ATTENDANCE FOR CATIA CERTIFICATE PROGRAM

S.No	HALL TICKET NUMBER	STUDENT NAME	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	7-Apr	8-Apr	9-Apr	10-Apr	11-Apr	4/12/2019	4/13/2019
1	145U1A03A3	YENDRU RAMANJANEYULU	P	P	P	A	P	P	P	P	P	A	P	P
2	155U1A0302	BADHULA GANESH	P	P	P	P	P	P	P	P	P	P	P	P
3	155U1A0304	CHAVVA THIRUPATHAIAH	P	P	P	P	P	P	P	P	P	P	P	P
4	155U1A0308	GANDIGARI SUNIL	P	P	P	P	P	P	P	P	P	P	P	P
5	155U1A0309	GANJI PRAVEEN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
6	155U1A0311	K HARI KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P
7	155U1A0312	K SHIVANNA	P	P	P	P	P	P	P	P	P	P	P	P
8	155U1A0313	KATTAM NIKHIL	P	P	P	P	P	P	P	P	P	P	P	P
9	155U1A0314	KOTLA NITHIN	P	P	P	P	P	P	P	P	P	P	P	P
10	155U1A0315	VENKATARAMANA SRIRAMADAS	P	P	P	P	P	P	P	P	P	P	P	P
11	155U1A0317	LAVURI BABU	P	P	P	P	P	P	P	P	P	P	P	P
12	155U1A0318	M AKHIL KUMAR GOUD	P	P	P	P	P	P	P	P	P	P	P	P
13	155U1A0319	MALIGIREDDY SAJ KIRAN REDDY	P	P	P	P	P	P	P	P	P	P	P	P
14	155U1A0320	MANCHIREDDY SYL VESTER KANTH	P	P	P	P	P	P	P	P	P	P	P	P
15	155U1A0323	MOHD FARHAN	P	P	P	P	P	P	P	P	P	P	P	P
16	155U1A0324	MOHD ZUBAIR	P	P	P	P	P	P	P	P	P	P	P	P
17	155U1A0326	VIBUDHI ANAND	P	P	P	P	P	P	P	P	P	P	P	P
18	155U1A0327	POTHI REDDY VIKKAS REDDY	P	P	P	P	P	P	P	P	P	P	P	P
19	155U1A0328	KOTHAPALLY RAJKUMAR	P	P	P	P	P	P	P	P	P	P	P	P
20	155U1A0330	SAPAVATH PRASAD	P	P	P	P	P	P	P	P	P	P	P	P
21	155U1A0333	SHOEB UR RAHMAN	P	P	P	P	P	P	P	P	P	P	P	P
22	155U1A0334	SIDDHOJU VAMSHIKIRAN	P	P	P	P	P	P	P	P	P	P	P	P
23	155U1A0335	SRIRAMULA KARTHIC	P	P	P	P	P	P	P	P	P	P	P	P
24	155U1A0336	SUDINI PAVAN REDDY	P	P	P	P	P	P	P	P	P	P	P	P
25	165U5A0301	AKULA BALU	P	P	P	P	P	P	P	P	P	P	P	P
26	165U5A0302	ARE RAMAKRISHNA	P	P	P	P	P	P	P	P	P	P	P	P
27	165U5A0303	ARUNA JYOTHI KALVAGADDA	P	P	P	P	P	P	P	P	P	P	P	P
28	165U5A0304	BOINI RAJASHEKAR	P	P	P	P	P	P	P	P	P	P	P	P
29	165U5A0305	BOLLEPALLI SANDEEP	P	P	P	P	P	P	P	P	P	P	P	P
30	165U5A0306	C DASTAGIRI	P	P	P	P	P	P	P	P	P	P	P	P
31	165U5A0308	D YADAGIRI	P	P	P	P	P	P	P	P	P	P	P	P
32	165U5A0309	DEERA WATH MADHU	P	P	P	P	P	P	P	P	P	P	P	P

PRINCIPAL
 AVN Institute of Engineering & Technology
 P. O. - Chintalapudi (V), Patancheru (MP),
 Hyderabad - 507384 (M), E. R.



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpattam (M)
Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345, 92461 72317
avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name : Mr. G.SRIKANTH
Course Name & Topic Name : CATIA
Department : Mechanical Engineering
Academic year : 2018-19

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solve engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattam (M), R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	145U1A03A3	YENDRU RAMANJANEYULU	Pol, P10	✓					Yendru
2	155U1A0302	BADHULA GANESH	Pol, P12		✓				Badrup
3	155U1A0304	CHAVVA THIRUPATHAIAH	Pol, P10						Thirupath
4	155U1A0308	GANDIGARI SUNIL	Pol, P12		✓				(S. gund)
5	155U1A0309	GANJI PRAVEEN KUMAR	Pol, P12				✓		G. Praveen
6	155U1A0311	K HARI KRISHNA	Pol, P05						K. Hari
7	155U1A0312	K SHIVANNA	Pol, P10		✓				K. Shiva
8	155U1A0313	KATTAM NIKHIL	Pol, P12		✓				K. Nikhil
9	155U1A0314	KOTLA NITHIN	Pol, P10						K. Nithin
10	155U1A0315	VENKATARAMANA SRIRAMADAS	Pol, P12			✓			V. S. Ramadas
11	155U1A0317	LAVURI BABU	Pol, P10						L. Babu
12	155U1A0318	M AKHIL KUMAR GOUD	Pol, P10				✓		M. Akhil
13	155U1A0319	MALIGIREDDY SAI KIRAN REDDY	Pol, P12						M. Sai Kiran
14	155U1A0320	MANCHIREDDY SYLVESTER KANTH	Pol, P10			✓			Sylvester
15	155U1A0323	MOHD FARHAN	Pol, P12		✓				M. Farhan
16	155U1A0324	MOHD ZUBAIR	Pol, P12						M. Zubair
17	155U1A0326	VIBUDHI ANAND	Pol, P05				✓		V. Anand
18	155U1A0327	POTHI REDDY VIKKAS REDDY	Pol, P10						P. Vikkas
19	155U1A0328	KOTHAPALLY RAJKUMAR	Pol, P12			✓			P. Rajkumar
20	155U1A0330	SAPAVATH PRASAD	Pol, P10						S. Prasad
21	155U1A0333	SHOEB UR RAHMAN	Pol, P12				✓		S. Rahman
22	155U1A0334	SIDDHOJU VAMSHIKIRAN	Pol, P12		✓				S. Vamshikiran
23	155U1A0335	SRIRAMULA KARTHIK	Pol, P10						S. Kartik
24	155U1A0336	SUDINI PAVAN REDDY	Pol, P12			✓			S. Pavan
25	165U5A0301	AKULA BALU	Pol, P10		✓				A. Balu
26	165U5A0302	ARE RAMAKRISHNA	Pol, P12						A. Ramakrishna
27	165U5A0303	ARUNA JYOTHI KALVAGADDA	Pol, P10			✓			A. Jyothi
28	165U5A0304	BOINI RAJASHEKAR	Pol, P05						B. Rajashekar
29	165U5A0305	BOLLEPALLI SANDEEP	Pol, P10		✓				B. Sandeep
30	165U5A0306	C DASTAGIRI	Pol, P10						C. Dastagiri
31	165U5A0308	D YADAGIRI	Pol, P12						D. Yadagiri
32	165U5A0309	DEERA WATH MADHU	Pol, P10						D. Madhu

Participate

AVN Institute of Engineering & Technology,
Mandapally (V), Pateiguda (MP),
Ibrahimpattanam (M), R. R.

33	165U5A0310	DEVARAPAGA SAIRAMUDU	Pol, Pos	✓			D. Sairam
34	165U5A0311	DEVI SANDHYA	Pol, Pio	✓			D. Sandhya
35	165U5A0313	G SHIRISHA	Pol, Pio				G. Shirisha
36	165U5A0314	GAMALAPATI SAIKUMAR	Pol, Pio	✓			G. Sairam
37	165U5A0315	GOTTAM PRASHANTH	Pol, Pio				G. Sairam
38	165U5A0316	ILLA NAVEEN	Pol, Pio				I. Naveen
39	165U5A0317	K SANDEEPOUD	Pol, Pio	✓			K. Sandeep
40	165U5A0318	KICHANAGARI NIKHIL	Pol, Pio				K. Sandeep
41	165U5A0319	DEEKONDA KIRAN	Pol, Pio	✓			K. Sandeep
42	165U5A0321	KOTHAGOLLA VENKATESH	Pol, Pio				K. Sandeep
43	165U5A0322	KOUDE SHIRISHA	Pol, Pio	✓			K. Sandeep
44	165U5A0323	MALOTH KARTHEEK	Pol, Pio				K. Sandeep
45	165U5A0324	MALOTH SAGAR	Pol, Pio	✓			K. Sandeep
46	165U5A0325	MATAM SARASWATHI	Pol, Pio				K. Sandeep
47	165U5A0326	MOTE NARMADHA	Pol, Pio	✓			K. Sandeep
48	165U5A0327	MUDAVATH AKHILA	Pol, Pio				K. Sandeep
49	165U5A0328	NUNE VAMSHI	Pol, Pio	✓			K. Sandeep
50	165U5A0330	RAJAVARAPU SATISH BABU	Pol, Pio				K. Sandeep
51	165U5A0332	SALIGANTI ASHOK	Pol, Pio	✓			K. Sandeep
52	165U5A0333	SAGGEM SANDEEP	Pol, Pio				K. Sandeep
53	165U5A0334	THODETI NAVEEN	Pol, Pio				K. Sandeep
54	165U5A0335	THORTHU MAHESH	Pol, Pio	✓			K. Sandeep

HOD

W

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Ibrahimpatnam (M), R.R.



HYUNDAI

Two Weeks Certification course on " Computer Aided Three Dimensional Interactive Application (CATIA)"

1st April to 13th April 2019

CERTIFICATE

This is to certify that **B. Ganesw.** of

..... **AVN.I.E.T** has attended

a **2** Week/Day Certification Course on **C.A.T.I.A**

at AVN Institute of Engineering & Technology , Organized by Hyundai



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AVN Institute of Engineering & Technology
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H-55, Mangalpally (V), P.R



HYUNDAI
**Two Weeks Certification course on " Computer Aided Three
 Dimensional Interactive Application (CATIA)"**

1st April to 13th April 2019

CERTIFICATE

This is to certify that S. Karthik, 15SV1A0335 of
 AVN.I.E.T has attended

a 2 Week/Day Certification Course on C.A.T.I.A.

at AVN Institute of Engineering & Technology , Organized by Hyundai



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 Thrahimpatnam (M), R.R.



HYUNDAI

Two Weeks Certification course on " Computer Aided Three Dimensional Interactive Application (CATIA)"

1st April to 13th April 2019

CERTIFICATE

This is to certify that **M. Akhila, 16S05A327** of

AVN.I.E.T......

a **2** Week/Day Certification Course on **C.A.T.I.A.** has attended

at AVN Institute of Engineering & Technology , Organized by Hyundai



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Ibrahimpattam (M). R.R.**



AVN Institute of Engineering & Technology

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avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering CERTIFICATE PROGRAM FEEDBACK FORM


Speaker Name : Mr.N.YADAAIAH
Course Name & Topic Name :ROBOTICS
Department : Mechanical Engineering
Academic year : 2017-18

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solve engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.


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Ibrahimpatnam (M), R.R.

S.No	HALLTICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	145U1A0301	ABDUL SOHAIL	Pol, P10		✓				<i>Sohail</i>
2	145U1A0302	AERROLA KARTHIK	Pol, P05				✓		<i>Karthik</i>
3	145U1A0307	B AKASH	Pol, P10						<i>B Akash</i>
4	145U1A0308	BALSHETTI PRADEEP GOUD	Pol, P12					✓	<i>P. Pradeep</i>
5	145U1A0309	BANDA SRINIVAS	Pol, P12		✓				<i>B. Srinivas</i>
6	145U1A0310	BANDARU NAGA GOPI	Pol, P12				✓		<i>B. Naga Gopi</i>
7	145U1A0313	BOBBILI VIJAY KUMAR	Pol, P10	✓					<i>B. Vijay Kumar</i>
8	145U1A0314	BODHANWAR SAITEJA	Pol, P12					✓	<i>Saiteja</i>
9	145U1A0315	CH SAI PAVAN KUMAR	Pol, P05			✓			<i>Ch. S. Pavan</i>
10	145U1A0316	CHADA SAI KIRAN	Pol, P10						<i>Ch. Kiran</i>
11	145U1A0318	CHINTHALA SRIKANTH REDDY	Pol, P12				✓		<i>S. R. Reddy</i>
12	145U1A0322	DANDA MADHUVAN REDDY	Pol, P12						<i>D. Madhuvan</i>
13	145U1A0323	DASA SUDHARSHAN	Pol, P10	✓					<i>D. S. S. Sudharshan</i>
14	145U1A0325	DASARI SAINATH REDDY	Pol, P12			✓			<i>S. S. Reddy</i>
15	145U1A0326	DENDHI ANVESH REDDY	Pol, P10	✓					<i>D. Anvesh</i>
16	145U1A0327	DEPAVATH MUKESH NAIK	Pol, P12		✓				<i>A. Mukesh</i>
17	145U1A0328	DESHMUK SHIVA KUMAR	Pol, P12				✓		<i>S. Shiva Kumar</i>
18	145U1A0330	G AKASH	Pol, P10			✓			<i>G. Akash</i>
19	145U1A0331	GADE MURALI KRISHNA	Pol, P12						<i>M. Krishna</i>
20	145U1A0332	GAJAGANTI SAIKUMAR	Pol, P12			✓			<i>G. Sai Kumar</i>
21	145U1A0333	GANDHAM MANOJ	Pol, P12	✓					<i>G. Manoj</i>
22	145U1A0335	GONE SAI CHARAN REDDY	Pol, P12				✓		<i>G. Charan</i>
23	145U1A0336	GOSKOLLA PAVAN	Pol, P10						<i>G. Pavan</i>
24	145U1A0349	M MANISH REDDY	Pol, P12	✓					<i>M. Manish</i>
25	145U1A0351	NAMPALLY HARISH	Pol, P10	✓					<i>N. Harish</i>
26	145U1A0353	PONNA RAMAKRISHNA	Pol, P10			✓			<i>P. Ramakrishna</i>
27	135U1A0356	MADAGIRI YAGNAVALKYA	Pol, P10	✓					<i>M. Yagnavalkya</i>
28	135U1A0365	MOHAMMAD ISHRATH ALI	Pol, P05					✓	<i>M. Ishrath Ali</i>
29	135U1A0386	RAMAVATH PAVAN	Pol, P10	✓					<i>R. Pavan</i>
30	145U1A0356	GANDI ABHILASH	Pol, P05				✓		<i>G. Abhilash</i>

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Ibrahimpatnam (M), R.R.

31	145U1A0368	MOHAMMED MERAJ	Pol, Pio						Mera
32	145U1A0370	MOHD IKRAM AFZALULLAH	Pol, P12	✓					Mohd Ikr
33	145U1A0371	MOOTA VINITH KUMAR	Pol, P12						Vinith
34	145U1A0373	NADIMPALLY AKHIL REDDY	Pol, Pio	✓					Akhil
35	145U1A0374	NALLA HARSHAVARDHAN	Pol, P12						Nalla Harshavardhan
36	145U1A0375	NIMMA SHIVANAND REDDY	Pol, P12	✓					N. Shivanand
37	145U1A0376	P ANUP	Pol, Pio	✓					P Anup
38	145U1A0387	RAVULA HARISH GOUD	Pol, Pos	✓					Ravula Harish Goud
39	145U1A0389	RAYE VINAYSAGAR	Pol, Pio				✓		Raye Vinaysagar
40	145U1A0391	SAMPANGI MOHANBABU	Pol, P12						S. Mohanbabu
41	145U1A0392	SARAGANI MANOJ	Pol, Pio	✓					Manoj
42	145U1A0393	SUMREDDY SRAVAN REDDY	Pol, Pos	✓					S. S. Reddy
43	145U1A0394	SURESH YENDRU	Pol, Pio						Suresh Yendru
44	145U1A0395	SYAMALA RAHUL	Pol, P12				✓		Syamala Rahul
45	145U1A03A1	VENNAVARAM PRADEEP	Pol, P12						Vennavaram Pradeep
46	145U1A03A2	YALAKA GOPI KRISHNA	Pol, Pio	✓					Yalaka Gopi Krishna
47	145U1A03A6	BONGU SAI KIRISHNA	Pol, P12	✓					Bongu Sai Kirishna
48	145U5A0315	GANTA TRINADHARAO	Pol, P12						G. T. N. Rao
49	155U5A0302	CHILUKA NARESH	Pol, Pio				✓		Chiluka Nareesh
50	155U5A0304	G JAGADISH	Pol, Pio						G Jagadish
51	155U5A0305	GAJADI RAMESH YADAV	Pol, Pio	✓					Gajadi Ramesh Yadav
52	155U5A0306	JAKKARTHI NAGARAJU	Pol, P12	✓					Jakkarthi Nagaraju
53	155U5A0307	KASULA MAHESH	Pol, Pio	✓					Kasula Mahesh
54	155U5A0310	SAMMETA ASHOK	Pol, P12						Sammeta Ashok
55	155U5A0311	SANGEPU GANESH	Pol, P12				✓		Sangepu Ganesh
56	155U5A0312	SUKKA RAKESH	Pol, Pio	✓					Sukka Rakesh
57	155U5A0313	SURAMPALLY SUMANTH	Pol, Pio	✓					S. R. S.
58	155U5A0316	YENUGULA VIKRAM KUMAR	Pol, Pos				✓		Y. V. K.



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Department of Mechanical Engineering


Date: 24/12/2018


CIRCULAR

All the B.Tech Mechanical Third year students are hereby informed that, a **Two Week Certificate program on "CNC Programming"** will be conducted on **02/01/2019 to 12/01/2019**. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms


H O D


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Department of Mechanical Engineering

AVNIET/ME/2018-19/ODD/CP/02

DATE: 16.12.2018

From:

Mr.P.Prasanna,
Asst. professor,
Department of ME,
AVNIET-Ibp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conducting certificate program on “ CNC Programming ” -Reg:-

We have planned to conduct a certificate program on CNC Programming in the academic year 2018-19 for IIIrd Year students of mechanical engineering department from 02.01.2019 to 12.01.2019 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.


Coordinator


HOD/ME


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Ibrahimpatnam (M), R R

CNC PROGRAMME SYLLABUS

UNIT - I

Features of NC machines: fundamentals of numerical control, advantage of NC systems, classification of NC systems, point to point, NC and CNC, incremental and absolute, open and closed loop systems, features of NC Machine tools, design consideration of NC machine tool, methods of improving machine accuracy.

CNC Machine elements: machine structures - Guide ways - feed drives-spindles- spindle bearings-measuring systems- tool mentoring systems.

UNIT - II

Tooling for CNC machines: interchangeable tooling system, preset and qualified tools, coolant fed tooling system, modular fixturing, and quick change tooling system, automatic head changers. **NC part programming:** manual programming-Basic concepts, point to point contour programming, canned cycles, parametric programming.

UNIT - III

Computer-Aided Programming: General information, APT programming, Examples Apt programming problems (2D machining only). NC programming on CAD/CAM systems, the design and implementation of post processors. Introduction to CAD/CAM software, Automatic Tool Path generation.

UNIT - IV

DNC Systems and Adaptive Control: Introduction, type of DNC systems, advantages and disadvantages of DNC, adaptive control with optimization, adaptive control with constraints, Adaptive control of machining processes like turning, grinding.

UNIT - V

Micro Controllers: Introduction, Hardware components, I/O pins, ports, external memory, counters, timers and serial data I/O interrupts selection of Micro Controllers, Embedded Controllers, Applications and Programming of Micro Controllers.

Programming Logic Controllers (PLC'S): Introduction, Hardware components of PLC, system, basic structure, principle of operations, Programming mnemonics timers, Internal relays and counters, Applications of PLC'S in CNC Machines.



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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: CNC

Date: 02-01-2019 TO 12-01-2019


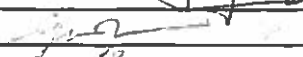
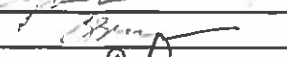


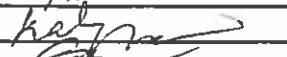
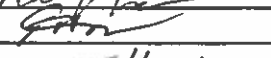
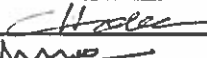



A.Y:- 2018-19

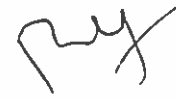
STUDENT ATTENDANCE FOR CNC CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	165U1A0303	ANUGULA SANJEEV	A Sanjeev
2	165U1A0304	ANUKUL CHANDRA VARMA	Chandru
3	165U1A0307	AVA SHIVA KRISHNA	Shiva
4	165U1A0309	B UDAY KIRAN	B. Uday
5	165U1A0313	BOGGAWARAPU YASHWANTH	Yashwanth
6	165U1A0322	DUDDUKURI ABHILESH	Abhilesh
7	165U1A0324	EEDHULA ARAVIND	E Aravind
8	165U1A0325	GEDIGAM RAJENDRA	Rajendra
9	165U1A0326	JALE NARENDER REDDY	N. Narendar
10	165U1A0331	KANKANALA RAKESH REDDY	Rakesh
11	165U1A0333	KASTURI ARUN REDDY	Arun
12	165U1A0334	KORULA SHIVA KUMAR REDDY	Shiva Kumar
13	165U1A0336	KULDEEP AGARWAL	Kuldeep
14	165U1A0337	KUNTLA MADHAVA REDDY	Madhu
15	165U1A0340	M JAI KUMAR	M. Jai
16	165U1A0343	MAMIDI SAI CHARAN	Sai Charan
17	165U1A0350	NALLA ASHOK	N. Ashok
18	165U1A0353	PAMMI MAHESWAR REDDY	Mahesh
19	165U1A0354	PATTETI VINEETH	Vineeth
20	165U1A0355	RATHLAVATH NAVEEN KUMAR	R. Naveen
21	165U1A0361	SYED SHARUKH BABA	Sharukh
22	165U1A0362	THUMOJU GAYATHRI	G. Gayathri
23	165U1A0363	TIPPANA MANISH REDDY	Manish
24	165U1A0367	VARIMADLA RAJU	V. Raju
25	165U1A0368	VELICHALA PRAVEEN	V. Praveen
26	175U5A0302	BANOTH AKHIL KUMAR	Akhil
27	175U5A0303	BYRAAJI SHRUTHI	Shruthi
28	175U5A0304	CHAKALI DIHANUSII	Dihanusi
29	175U5A0305	DURISETI MOHAN VAMSI	M. Vamsi
30	175U5A0307	GANJI VAMSHI	G. Vamsi
31	175U5A0308	GODUGU BHANU PRASAD	Bhanu
32	175U5A0309	JANAGAM JAGADEESH	Jagan
33	175U5A0310	JANGA DINESH	Dinesh
34	175U5A0311	KANMONI RAGHAVENDRA SWAMY	R. Swamy
35	175U5A0312	KOLUPULA SANDEEP KUMAR	K. Sandeep
36	175U5A0313	KOPPULA VINEETH	V. Vineeth
37	175U5A0314	M MALLESH	M. Malleesh
38	175U5A0315	MATHIANGI YASHASWINI	M. Yashaswini
39	175U5A0316	MD MUKHEEM	M. Mukheem
40	175U5A0319	PEMBI VIJAY	P. Vijay
41	175U5A0321	REBBA MANASA	R. Manasa

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Ibrahimpatnam (M), R.R.

42	175U5A0322	S JYOTHI	
43	175U5A0323	UPPULA GAYATHRI	
44	175U5A0324	VEERAMUSTHI SRIKANTHI	
45	175U5A0326	BUDIDA PARAM JOSHUA	
46	175U5A0328	CHIPPAKURTHI MANOJ KUMAR	
47	175U5A0330	ENDRAVATH KALYAN NAIK	
48	175U5A0332	GANDLA HARSHIK	
49	175U5A0333	KOTHA LOKESHWAR	
50	175U5A0334	M VINOD GOUD	
51	175U5A0335	MENA SHRAVAN KUMAR	
52	175U5A0338	YACHARAM RAJU	


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Department of Mechanical Engineering

Report On Certificate Program on CNC Program Organized By Mechanical Department:

The department of Mechanical Engineering has organized a certificate program on CNC Program in association with **Hexagon Capability center India**.

This program was started with an inauguration ceremony by Principal **DR.ELLAM RAJ** by **Mr.PRADEEP REDDY** Technical partner, **Hexagon Capability center India** On **02/01/2019** at **Mechanical Seminar Hall**.

The session was continued by **Mr.PRADEEP REDDY** who began with an Introduction to CNC, the session was so interesting to know about new things about CNC Technology.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 52 members of III Year Students of Mechanical Engineering department have attended for the program. It's conducted from 02-01-2019 to 12-01-2019


Co-Ordinator


HOD



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Ibrahimpatnam (M), R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: CNC Date: 02-01-2019 TO 12-01-2019
 A.Y:- 2018-19

STUDENT ATTENDANCE FOR CNC CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	2-Jan	3-Jan	4-Jan	5-Jan	8-Oct	9-Oct	9-Jan	10-Jan	11-Jan	12-Jan
1	165U1A0303	ANUGULA SANJEEV	P	P	P	P	P	A	P	P	P	P
2	165U1A0304	ANUKUL CHANDRA VARMA	P	P	P	P	P	P	P	P	P	P
3	165U1A0307	AVA SHIVA KRISHNA	P	P	P	P	P	P	P	P	P	P
4	165U1A0309	B UDAY KIRAN	P	P	P	P	P	P	P	P	P	P
5	165U1A0313	BOGGAWARAPU YASHWANTH	P	P	P	P	P	P	P	P	P	P
6	165U1A0322	DUDDUKURI ABHILESH	P	P	P	P	P	P	P	P	P	P
7	165U1A0324	EEDHULA ARAVIND	P	P	P	P	P	P	P	P	P	P
8	165U1A0325	GEDIGAM RAJENDRA	P	P	P	P	P	P	P	P	P	P
9	165U1A0326	JALE NARENDER REDDY	P	P	P	P	P	P	P	P	P	P
10	165U1A0331	KANKANALA RAKESH REDDY	P	P	P	P	P	P	P	P	P	P
11	165U1A0333	KASTURI ARUN REDDY	P	P	P	P	P	P	P	P	P	P
12	165U1A0334	KORULA SHIVA KUMAR REDDY	P	P	P	P	P	P	P	P	P	P
13	165U1A0336	KULDEEP AGARWAL	P	P	P	P	P	P	P	P	P	P
14	165U1A0337	KUNTALA MADHAVA REDDY	P	P	P	P	P	P	P	P	P	P
15	165U1A0340	M JAI KUMAR	P	P	P	P	P	P	P	P	P	P
16	165U1A0343	MAMIDI SAI CHARAN	P	P	P	P	P	P	P	P	P	P
17	165U1A0350	NALLA ASHOK	P	P	P	P	P	P	P	P	P	P
18	165U1A0353	PAMMI MAHESWAR REDDY	P	P	P	P	P	P	P	P	P	P
19	165U1A0354	PATTETI VINEETH	P	P	P	P	P	P	P	P	P	P
20	165U1A0355	RATHLA VATH NAVEEN KUMAR	P	P	P	P	P	P	P	P	P	P
21	165U1A0361	SYED SHARUKH BABA	P	P	P	P	P	P	P	P	P	P
22	165U1A0362	THUMOJU GAYATHRI	P	P	P	P	P	P	P	P	P	P
23	165U1A0363	TIPPANA MANISH REDDY	P	P	P	P	P	P	P	P	P	P
24	165U1A0367	VARIMADLA RAJU	P	P	P	P	P	P	P	P	P	P
25	165U1A0368	VELICHALA PRAVEEN	P	P	P	P	P	P	P	P	P	P
26	175U5A0302	BANOTH AKHIL KUMAR	P	P	P	P	P	P	P	P	P	P
27	175U5A0303	BYRAAJI SHRUTHI	P	P	P	P	P	P	P	P	P	P
28	175U5A0304	CHAKALI DHANUSH	P	P	P	P	P	P	P	P	P	P
29	175U5A0305	DURISETI MOHAN VAMSI	P	P	P	P	P	P	P	P	P	P
30	175U5A0307	GANJI VAMSHI	P	P	P	P	P	P	P	P	P	P
31	175U5A0308	GODUGU BHANU PRASAD	P	P	P	P	P	P	P	P	P	P
32	175U5A0309	JANAGAM JAGADEESH	P	P	P	P	P	P	P	P	P	P

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 H.S.S.L



HEXAGON

Hexagon Capability Center India

**Two Weeks Certification course on
"CNC Programming"**

2nd Jan to 12th Jan 2019

CERTIFICATE

This is to certify that R. MANASA, 1755081321 of
AVN/EST - Hyd

a 2 Week/Day Certification Course on CNC Programming has attended

at AVN Institute of Engineering & Technology , Organized by with Hexagon Capability Center India.



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Ibrahimpatnam (M), R.R.



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Hexagon Capability Center India

**Two Weeks Certification course on
"CNC Programming"**

2nd Jan to 12th Jan 2019

CERTIFICATE

This is to certify that B. UDAY KIRAN 16SUIAC309 of
..... AVN I.E.T. Hyd.

a 2 Week/Day Certification Course on CNC Programming has attended

at AVN Institute of Engineering & Technology . Organized by with Hexagon Capability Center India.



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Ibrahimpatnam (M) R R



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Hexagon Capability Center India

**Two Weeks Certification course on
"CNC Programming"**

2nd Jan to 12th Jan 2019

CERTIFICATE

This is to certify that P. VINETH, 165U1A0354 of

..... AVNIES, Hnd.

..... has attended

a 2 Week/Day Certification Course on CNC Programming

at AVN Institute of Engineering & Technology , Organized by with Hexagon Capability Center India.



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Ibrahimpatnam (M) R.R.



AVN Institute of Engineering & Technology

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Ranga Reddy Dist – 501 510. T.S. India. Ph:084415-201345, 92461 72317

avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering

CERTIFICATE PROGRAM FEEDBACK FORM


Speaker Name : Mr. PRADEEP REDDY
Course Name & Topic Name : CNC PROGRAMMING
Department : Mechanical Engineering
Academic year : 2018-19

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solve engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.


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Ibrahimpatnam (M) R R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	165U1A0303	ANUGULA SANJEEV	Pol, Pio		✓				<i>[Signature]</i>
2	165U1A0304	ANUKUL CHANDRA VARMA	Pol, Pio						<i>Cherry</i>
3	165U1A0307	AVA SHIVA KRISHNA	Pol, Pos	✓					<i>Shru</i>
4	165U1A0309	B UDAY KIRAN	Pol, Pio			✓			<i>[Signature]</i>
5	165U1A0313	BOGGAWARAPU YASHWANTH	Pol, Pio					✓	<i>[Signature]</i>
6	165U1A0322	DUDDUKURI ABHILESH	Pol, Pos						<i>A Bhar</i>
7	165U1A0324	EEDHULA ARAVIND	Pol, Pio			✓			<i>[Signature]</i>
8	165U1A0325	GEDIGAM RAJENDRA	Pol, Pio		✓				<i>[Signature]</i>
9	165U1A0326	JALE NARENDER REDDY	Pol, Pos						<i>[Signature]</i>
10	165U1A0331	KANKANALA RAKESH REDDY	Pol, Pio						<i>[Signature]</i>
11	165U1A0333	KASTURI ARUN REDDY	Pol, Pio		✓				<i>[Signature]</i>
12	165U1A0334	KORULA SHIVA KUMAR REDDY	Pol, Pio				✓		<i>[Signature]</i>
13	165U1A0336	KULDEEP AGARWAL	Pol, Pos	✓					<i>[Signature]</i>
14	165U1A0337	KUNTLA MADHAVA REDDY	Pol, Pio		✓				<i>[Signature]</i>
15	165U1A0340	M JAI KUMAR	Pol, Pio						<i>[Signature]</i>
16	165U1A0343	MAMIDI SAI CHARAN	Pol, Pio		✓				<i>[Signature]</i>
17	165U1A0350	NALLA ASHOK	Pol, Pio					✓	<i>[Signature]</i>
18	165U1A0353	PAMMI MAHESWAR REDDY	Pol, Pio						<i>[Signature]</i>
19	165U1A0354	PATTETI VINEETH	Pol, Pos		✓				<i>[Signature]</i>
20	165U1A0355	RATHLAVATH NAVEEN KUMAR	Pol, Pio						<i>[Signature]</i>
21	165U1A0361	SYED SHARUKH BABA	Pol, Pio				✓		<i>[Signature]</i>
22	165U1A0362	THUMOJU GAYATHRI	Pol, Pio		✓				<i>[Signature]</i>
23	165U1A0363	TIPPANA MANISH REDDY	Pol, Pos						<i>[Signature]</i>
24	165U1A0367	VARIMADLA RAJU	Pol, Pio			✓			<i>[Signature]</i>
25	165U1A0368	VELICHALA PRAVEEN	Pol, Pos					✓	<i>[Signature]</i>
26	175U5A0302	BANOTH AKHIL KUMAR	Pol, Pos	✓					<i>[Signature]</i>
27	175U5A0303	BYRAAJI SHRUTHI	Pol, Pio						<i>[Signature]</i>
28	175U5A0304	CHAKALI DHANUSH	Pol, Pio		✓				<i>[Signature]</i>
29	175U5A0305	DURISETI MOHAN VAMSI	Pol, Pio				✓		<i>[Signature]</i>
30	175U5A0307	GANJI VAMSHI	Pol, Pos						<i>[Signature]</i>
31	175U5A0308	GODUGU BHANU PRASAD	Pol, Pos						<i>[Signature]</i>
32	175U5A0309	JANAGAM JAGADEESH	Pol, Pio	✓					<i>[Signature]</i>

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Ibrahimnagar (M) R R

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33	175U5A0310	JANGA DINESH	Pol, P10						J. Voz
34	175U5A0311	KANMONI RAGHAVENDRA SWAMY	Pol, P10						Roe
35	175U5A0312	KOLUPULA SANDEEP KUMAR	Pol, P05	✓					ERE
36	175U5A0313	KOPPULA VINEETH	Pol, P12						K. V. V.
37	175U5A0314	M MALLESH	Pol, P12	✓					V. V. V.
38	175U5A0315	MATHANGI YASHASWINI	Pol, P10						V. V. V.
39	175U5A0316	MD MUKHEEM	Pol, P0	✓					MD. M. V.
40	175U5A0319	PEMBI VIJAY	Pol, P12	✓					V. V. V.
41	175U5A0321	REBBA MANASA	Pol, P10						R. M. V.
42	175U5A0322	S JYOTHI	Pol, P10	✓					S. J. V.
43	175U5A0323	UPPULA GAYATHRI	Pol, P05						U. V. V.
44	175U5A0324	VEERAMUSTHI SRIKANTH	Pol, P10	✓					V. V. V.
45	175U5A0326	BUDIDA PARAM JOSHUA	Pol, P11	✓					B. V. V.
46	175U5A0328	CHIPPAKURTHI MANOJ KUMAR	Pol, P10						C. V. V.
47	175U5A0330	ENDRAVATH KALYAN NAIK	Pol, P10	✓					E. V. V.
48	175U5A0332	GANDLA HARSHIK	Pol, P12						G. V. V.
49	175U5A0333	KOTHA LOKESHWAR	Pol, P12	✓					K. V. V.
50	175U5A0334	M VINOD GOUD	Pol, P05						M. V. V.
51	175U5A0335	MENA SHRAVAN KUMAR	Pol, P0						M. V. V.
52	175U5A0338	YACHARAM RAJU	Pol, P12						Y. V. V.

HOD

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Department of Mechanical Engineering


Date: 01/10/2018


CIRCULAR

All the B.Tech Mechanical final year students are hereby informed that a 2 week Certificate program on "Robotics" will be conducted on 01/10/2018 to 13/10/2018. All are requested register the program.

Copy to:

1. Office
2. [unclear]
3. To be circulated in all class rooms


HON


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Ibrahimpatnam (M), R.R. [unclear]



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Department of Mechanical Engineering

AVNIET/ME/2018-18 /CP/01

DATE: 04.09.2018

From:

Mr.H.Hai

Asst. pro

Department of ME,

AVNIET-Ibp.

To

The Prin

AVN Institute of Engineering and Technology.

Hyderabad 501510.

Sir,

Sub: permission for conducting certifi...

We have planned
for IV Year students of mechanical
We have enclosed the schedule and
conduct the program.

3 ac... -19
13.10... ith
us per... J

Thank you.

Coordinator

HOD/ME

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Ibrahimpatnam (M), R.R.



Robotics Schedule

DAY-1:

Introduction

DAY-2:

1. Getting Started with Robotics

- ✓ Difference b/w Automation and Robotics
- ✓ History of Robots
- ✓ Types of Robots
- ✓ Types of Co-ordinate system
- ✓ Advantages and Disadvantages

DAY-3

2. End Effectors

- ✓ Definition of end effectors
- ✓ Types of end effectors
- ✓ Mechanical end effectors
- ✓ Vacuum end effectors

DAY-4

3. MOTION ANALYSIS

- ✓ Basic Rotation Matrices
- ✓ Equivalent Axis and Angle
- ✓ Euler Angles,
- ✓ Composite Rotation Matrices.
- ✓ Homogeneous transformations
- ✓ rotation and translation

DAY-5


4. Manipulator Kinematics-

- ✓ D-H notation
- ✓ method of Assignment of frames
- ✓ D-H Transformation Matrix
- ✓ joint coordinates, world coordinates
- ✓ Forward and inverse kinematics

DAY-6

5.

- ✓ Differential transformation of manipulators
- ✓ Jacobians


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DAY-7

6. Dynamics

- ✓ Lagrange – Euler Formation
- ✓ Newton- Euler Formation

DAY-8

6. Trajectory plan

- ✓ path planning and avoidance of obstacles,
- ✓ path planning
- ✓ Slew motion
- ✓ straight line motion

DAY-9

7. Robot actuators

- ✓ Pneumatic, Hydraulic actuators
- ✓ Electric

DAY-10

8. Feedback control

- ✓ position sensors – potentiometers
- ✓ Resolvers, encoders – Velocity sensors
- ✓ Tactile and Range sensors
- ✓ Force and Torque sensors


DAY-11

9. Robot Application in Manufacturing:

- ✓ Material Transfer - Material handling
- ✓ Loading and unloading - Processing

DAY-12

- ✓ Assembly and Inspection
- ✓ Conclusion
- Certificate distribution


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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: **ROBOTICS**

Date: **01-10-2018 TO 13-10-2018**

A.Y:- **2018-19**

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	145U1A03A3	YENDRU RAMANJANEYULU	
2	155U1A0302	BADHULA GANESH	Y. Ramyana
3	155U1A0304	CHAVVA THIRUPATHAIAH	
4	155U1A0308	GANDIGARI SUNIL	Ch. Thirupathiah
5	155U1A0309	GANJI PRAVEEN KUMAR	G. Praveen
6	155U1A0311	K HARI KRISHNA	G. Praveen
7	155U1A0312	K SHIVANNA	K. Harikrishna
8	155U1A0313	KATTAM NIKHIL	shivanma
9	155U1A0314	KOTLA NITHIN	K. Nikhil
10	155U1A0315	VENKATARAMANA SRIRAMADAS	K. Nithin
11	155U1A0316	KUMMATHA SHARATH CHANDRA	K. Sharath
12	155U1A0317	LAVURI BABU	K. Babu
13	155U1A0318	M AKHIL KUMAR GOUD	L. Babu
14	155U1A0319	MALIGIREDDY SAI KIRAN REDDY	M. Kiran
15	155U1A0320	MANCHIREDDY SYLVESTER KANTH	Sarkar
16	155U1A0323	MOHD FARHAN	Farhan
17	155U1A0324	MOHD ZUBAIR	Md. Farhan
18	155U1A0326	VIBUDHI ANAND	Zubair
19	155U1A0327	POTHI REDDY VIKKAS REDDY	Md. Zubair
20	155U1A0328	KOTHAPALLY RAJKUMAR	R. K.
21	155U1A0330	SAPAVATH PRASAD	Prasad
22	155U1A0332	SHAIK WASEEM	Waseem
23	155U1A0333	SHOEB UR RAHMAN	Shoeb
24	155U1A0334	SIDDHOJU VAMSHIKIRAN	Siddhoju
25	155U1A0335	SRIRAMULA KARTHIK	K. Ramula
26	155U1A0336	SUDINI PAVAN REDDY	S. Pavan Reddy
27	165U5A0301	AKULA BALU	A. Balu
28	165U5A0302	ARE RAMAKRISHNA	R. Ramakrishna
29	165U5A0303	ARUNA JYOTHI KALVAGADDA	A. Jyothi
30	165U5A0304	BOINI RAJASHEKAR	B. Rajashekar
31	165U5A0305	BOLLEPALLI SANDEEP	B. Sandeep
32	165U5A0306	C DASTAGIRI	C. Dastagiri
33	165U5A0307	CHENABOINA VAMSHIKRISHNA	Chenaboina
34	165U5A0308	D YADAGIRI	D. Yadagiri
35	165U5A0309	DEERAWATH MADHU	D. Madhu
36	165U5A0310	DEVARAPAGA SAIRAMUDU	D. Sairamudu
37	165U5A0311	DEVI SANDHYA	D. Sandhya
38	165U5A0313	G SHIRISHA	G. Shirisha
39	165U5A0314	GAMALAPATI SAIKUMAR	G. Saikumar
40	165U5A0315	GOTTAM PRASHANTH	G. Prashanth
41	165U5A0316	ILLA NAVEEN	I. Naveen

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 Hyderabad (M), R.R.

42	165U5A0317	K SANDEEPGOUD	
43	165U5A0318	KICHANAGARI NIKHIL	K. S. Goud
44	165U5A0319	DEEKONDA KIRAN	inst. ch. 11
45	165U5A0321	KOTHAGOLLA VENKATESH	D. K. K. K.
46	165U5A0322	KOUDE SHIRISHA	K. N. K. K.
47	165U5A0323	MALOTH KARTHEEK	Shree
48	165U5A0324	MALOTH SAGAR	M. K. K. K.
49	165U5A0325	MATAM SARASWATHI	Sagu
50	165U5A0326	MOTE NARMADHA	M. S. K. K.
51	165U5A0327	MUDAVATH AKHILA	M. A. K. K.
52	165U5A0328	NUNE VAMSHI	M. V. K. K.
53	165U5A0329	DUDEKULA RAHAMED	M. R. K. K.
54	165U5A0330	RAJAVARAPU SATISH BABU	D. R. K. K.
55	165U5A0332	SALIGANTI ASHOK	Shree
56	165U5A0333	SAGGEM SANDEEP	S. S. K. K.
57	165U5A0334	THODETI N. K. K.	Shree
58	165U5A0335	THORTH. K. K.	P. K. K. K.
59	165U5A0336	UDUTIATA A SRI	M. K. K. K.

B. J.
HOD

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Mahabubnagar (M), R.R.



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Technology

Report On Certificate Program

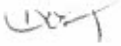
By Mechanical Department:


The department of Mechanical Engineering has organized a certificate program on Robotics in association with BIOLOGICAL E. Ltd. Hyd.

This program was started with an inauguration ceremony by Principal DR.ELLAM RAJ by MP. AIAH Technical partner, BIOLOGICAL E. Ltd. Hyderabad on 09/10/2018 at Seminar Hall.

The session was continued by Mr. VADANAM. The session was so interesting. The program began with an Introduction to Robotics, covering the basics and applications of Robotics.

He appreciated Faculty members and students. The program was successful. Students of Mechanical Engineering department participated in the program. The program was conducted from 1-10-2018 to 13-10-2018.


Co-Ordinator


HO



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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: ROBOTICS

Date: 01-10-2018 TO 13-10-2018

A.Y.- 2018-19

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALL TICKET NUMBER	STUDENT NAME	1-Oct	3-Oct	4-Oct	5-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct
1	145U1A03A3	YENDRU RAMANJANEYULU	P	P	P	P	P	P	P	P	P	P
2	155U1A0302	BADHULA GANESH	P	P	P	P	P	P	P	P	P	P
3	155U1A0304	CHAVVA THIRUPATHAIAH	P	P	P	P	P	P	P	P	P	P
4	155U1A0308	GANDIGARI SUNIL	P	P	P	P	P	P	P	P	P	P
5	155U1A0309	GANJI PRAVEEN KUMAR	P	P	P	P	P	P	P	P	P	P
6	155U1A0311	K HARI KRISHNA	P	P	P	P	P	P	P	P	P	P
7	155U1A0312	K SHIVANNA	P	P	P	P	P	P	P	P	P	P
8	155U1A0313	KATTAM NIKHIL	P	P	P	P	P	P	P	P	P	P
9	155U1A0314	KOTLA NITHIN	P	P	P	P	P	P	P	P	P	P
10	155U1A0315	VENKATARAMANA SRIRAMADAS	P	P	P	P	P	P	P	P	P	P
11	155U1A0316	KUMMATHA SHARATH CHANDRA	P	P	P	P	P	P	P	P	P	P
12	155U1A0317	LAVURI BABU	P	P	P	P	P	P	P	P	P	P
13	155U1A0318	M AKHIL KUMAR GOUD	P	P	P	P	P	P	P	P	P	P
14	155U1A0319	MALIGIREDDY SAI KIRAN REDDY	P	P	P	P	P	P	P	P	P	P
15	155U1A0320	MANCHIREDDY SYLVESTER	P	P	P	P	P	P	P	P	P	P
16	155U1A0323	MOHD FARHAN	P	P	P	P	P	P	P	P	P	P
17	155U1A0324	MOHD ZUBAIR	P	P	P	P	P	P	P	P	P	P
18	155U1A0326	VIBUDHI ANAND	P	P	P	P	P	P	P	P	P	P
19	155U1A0327	POTHI REDDY VIKKAS REDDY	P	P	P	P	P	P	P	P	P	P
20	155U1A0328	KOTHAPALLY RAJKUMAR	P	P	P	P	P	P	P	P	P	P
21	155U1A0330	SAPAVATH PRASAD	P	P	P	P	P	P	P	P	P	P
22	155U1A0332	SHAIK WASEEM	P	P	P	P	P	P	P	P	P	P
23	155U1A0333	SHOEB UR RAHMAN	P	P	P	P	P	P	P	P	P	P
24	155U1A0334	SIDDHOJU VAMSHIKIRAN	P	P	P	P	P	P	P	P	P	P
25	155U1A0335	SRI RAMULA KARTHIK	P	P	P	P	P	P	P	P	P	P
26	155U1A0336	SUDINI PAVAN REDDY	P	P	P	P	P	P	P	P	P	P
27	165U5A0301	AKULA BALU	P	P	P	P	P	P	P	P	P	P
28	165U5A0302	ARE RAMAKRISHNA	P	P	P	P	P	P	P	P	P	P
29	165U5A0303	ARUNA JYOTHI KALYAGADDA	P	P	P	P	P	P	P	P	P	P
30	165U5A0304	BONI RAJASHEKAR	P	P	P	P	P	P	P	P	P	P
31	165U5A0305	BOLEPALLI SANDEEP	P	P	P	P	P	P	P	P	P	P
32	165U5A0306	C DASTAGIRI	P	P	P	P	P	P	P	P	P	P

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Department of Mechanical Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name

: Mr.N.YADALAH

Course Name & Topic Name

: ROBOTICS

Department

: Mechanical Engineering

Academic year

: 2018-19

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solves engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

PRINCIPAL

AVN Institute of Engineering & Technology
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Ibrahimpattanam (M), R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	145U1A03A3	YENDRU RAMANJANEYULU	Pol, P10	✓					<i>[Signature]</i>
2	155U1A0302	BADHULA GANESH	Pol, P12		✓				<i>[Signature]</i>
3	155U1A0304	CHAVVA THIRUPATHAIAH	Pol, P10				✓		<i>[Signature]</i>
4	155U1A0308	GANDIGARI SUNIL	Pol, P12				✓		<i>[Signature]</i>
5	155U1A0309	GANJI PRAVEEN KUMAR	Pol, P12				✓		<i>[Signature]</i>
6	155U1A0311	K HARI KRISHNA	Pol, P05					✓	<i>[Signature]</i>
7	155U1A0312	K SHIVANNA	Pol, P05					✓	<i>[Signature]</i>
8	155U1A0313	KATTAM NIKHIL	Pol, P10					✓	<i>[Signature]</i>
9	155U1A0314	KOTLA NITHIN	Pol, P12					✓	<i>[Signature]</i>
10	155U1A0315	VENKATARAMANA SRIRAMADAS	Pol, P10					✓	<i>[Signature]</i>
11	155U1A0316	KUMMATHA SHARATH CHANDRA	Pol, P05					✓	<i>[Signature]</i>
12	155U1A0317	LAVURI BABU	Pol, P10					✓	<i>[Signature]</i>
13	155U1A0318	M AKHIL KUMAR GOUD	Pol, P12					✓	<i>[Signature]</i>
14	155U1A0319	MALIGIREDDY SAI KIRAN REDDY	Pol, P10					✓	<i>[Signature]</i>
15	155U1A0320	MANCHIREDDY SYLVESTER KANTH	Pol, P12					✓	<i>[Signature]</i>
16	155U1A0323	MOHD FARHAN	Pol, P10	✓					<i>[Signature]</i>
17	155U1A0324	MOHD ZUBAIR	Pol, P12					✓	<i>[Signature]</i>
18	155U1A0326	VIBUDHI ANAND	Pol, P10					✓	<i>[Signature]</i>
19	155U1A0327	POTHI REDDY VIKKAS REDDY	Pol, P12					✓	<i>[Signature]</i>
20	155U1A0328	KOTHAPALLY RAIKUMAR	Pol, P10					✓	<i>[Signature]</i>
21	155U1A0330	SAPAVATH PRASAD	Pol, P12					✓	<i>[Signature]</i>
22	155U1A0332	SHAIK WASEEM	Pol, P10	✓					<i>[Signature]</i>
23	155U1A0333	SHOEB UR RAHMAN	Pol, P12					✓	<i>[Signature]</i>
24	155U1A0334	SIDDHOU VAMSHIKIRAN	Pol, P10					✓	<i>[Signature]</i>
25	155U1A0335	SRIRANULA KARTHIK	Pol, P12	✓					<i>[Signature]</i>
26	155U1A0336	SUDINI PAVAN REDDY	Pol, P05					✓	<i>[Signature]</i>
27	165U5A0301	AKULA BALU	Pol, P10					✓	<i>[Signature]</i>
28	165U5A0302	ARE RAMAKRISHNA	Pol, P12	✓					<i>[Signature]</i>
29	165U5A0303	ARUNA JYOTHI KALVAGADDA	Pol, P10					✓	<i>[Signature]</i>
30	165U5A0304	BOINI RAJASHEKAR	Pol, P05					✓	<i>[Signature]</i>
31	165U5A0305	BOLLEPALLI SANDEEP	Pol, P12					✓	<i>[Signature]</i>
32	165U5A0306	C DASTAGIRI	Pol, P10					✓	<i>[Signature]</i>

Principal

SVN Institute of Engineering & Technology
 Technologically (V), Patelguda (M-3)
 Hyderabad - 500083

33	165U5A0307	CHENABOINA VAMSHIKRISHNA	Pol, Po							C. Madh
34	165U5A0308	D YADAGIRI	Pol, Pr		✓					grad cege m D. Madh
35	165U5A0309	DEERAWATH MADHU	Pol, Pos	✓						
36	165U5A0310	DEVARAPAGA SAIRAMUDU	Pol, Pr				✓			D. S. S. S.
37	165U5A0311	DEVI SANDHYA	Pol, Pr		✓					D. S. S. S.
38	165U5A0313	G SHIRISHA	Pol, Pr	✓						G. S. S. S.
39	165U5A0314	GAMALAPATI SAIKUMAR	Pol, Pos			✓				G. S. S. S.
40	165U5A0315	GOTTAM PRASHANTH	Pol, Po		✓					G. S. S. S.
41	165U5A0316	ILLA NAVEEN	Pol, Pr				✓			G. S. S. S.
42	165U5A0317	K SANDEEPCOUD	Pol, Pr					✓		G. S. S. S.
43	165U5A0318	KICHANAGARI NIKHIL	Pol, Pos			✓				G. S. S. S.
44	165U5A0319	DEEKONDA KIRAN	Pol, Pr			✓				G. S. S. S.
45	165U5A0321	KOTHAGOLLA VENKATESH	Pol, Pr				✓			G. S. S. S.
46	165U5A0322	KOUDE SHIRISHA	Pol, Pr					✓		G. S. S. S.
47	165U5A0323	MALOTH KARTHEEK	Pol, Pr					✓		G. S. S. S.
48	165U5A0324	MALOTH SAGAR	Pol, Pr						✓	G. S. S. S.
49	165U5A0325	MATAM SARASWATHI	Pol, Pr						✓	G. S. S. S.
50	165U5A0326	MOTE NARMADHA	Pol, Pr		✓					G. S. S. S.
51	165U5A0327	MUDAVATH AKHILA	Pol, Pr				✓			G. S. S. S.
52	165U5A0328	NUNE VAMSHI	Pol, Pr					✓		G. S. S. S.
53	165U5A0329	DUDEKULA RAHAMED	Pol, Pr			✓				G. S. S. S.
54	165U5A0330	RAJAVARAPU SATISH BABU	Pol, Pr			✓				G. S. S. S.
55	165U5A0332	SALIGANTI ASHOK	Pol, Pr					✓		G. S. S. S.
56	165U5A0333	SAGGEM SANDEEP	Pol, Pr				✓			G. S. S. S.
57	165U5A0334	THODETI NAVEEN	Pol, Pr		✓					G. S. S. S.
58	165U5A0335	THORTHI MAHESH	Pol, Pr					✓		G. S. S. S.
59	165U5A0336	UDUTHALA SRIKANTH	Pol, Pr			✓				G. S. S. S.

HOD
PRINCIPAL

[Handwritten signature]

AVN Institute of Engineering & Technology
Patalguda (M.P.), Patangy (V), Patangy (M.P.), Patangy (M.P.), Patangy (M.P.)



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"Robotics" 1st October to 13th October 2018

This is to certify that K. Hari Krishna, 155U1A0311 of
AVN Institute of Engineering & Technology has attended
a 2 Week/Day Certification Course on Robotics
at AVN Institute of Engineering & Technology..




MANAGER

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Bangalore (M), R.R.

✓
2/11



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**TWO WEEK CERTIFICATION COURSE ON
"Robotics" 1st October to 13th October 2018**

This is to certify that A. Balu, 165 VS No 301 of AVN Institute of Engineering & Technology has attended a 2 Week/Day Certification Course on Robotics at AVN Institute of Engineering & Technology ..




MANAGER

PRINCIPAL
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Mangalpally (V), Patelguda (MP),
Chennai-600 088 (M). R.R

✓



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"Robotics" 1st October to 13th October 2018

This is to certify that G. Shrivisha 16SUSAB0313 of AVN Institute of Engineering & Technology has attended a 2 Week Day Certification Course on Robotics at AVN Institute of Engineering & Technology ..




MANAGER

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Inrahimapatnam (M), R.R.



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PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



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INDIA

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AVNIET/CSE/2019-20

DATE: 01.07.2019

From:

Mrs. B. Swathi,
Assistant professor,
Department of CSE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on “Augmented Reality & Virtual Reality” -
Reg:-


We have planned to conduct certificate course on “Augmented Reality & Virtual Reality”- in the academic year 2018-19 for students of CSE department from 12/07/2019 to 25/07/2019 (2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

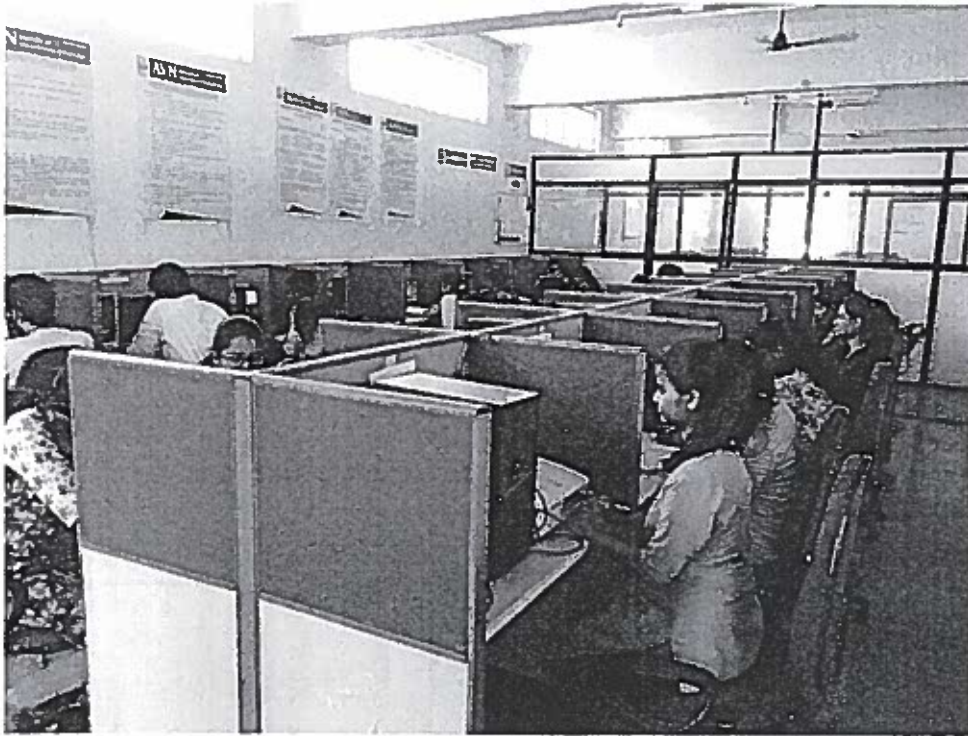
Thank you.


Coordinator


HOD/CSE


PRINCIPAL


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Ibrahimpattanam (M), R.R.



Collecting information

As big data refers to gathering data from disparate sources, this feature creates a crucial use case for the insurance industry to pounce on. Eg: When a customer intends to buy a car insurance kenya, the companies can obtain information from which they can calculate the safety levels for driving in the buyer's vicinity and his past driving records. On basis of this they can effectively calculate cost of car insurance as well.

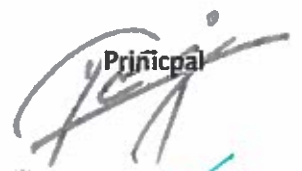
Gaining customer insight


Determining customer experience and making customers the center of a company's attraction is of prime importance to organizations.

Fraud detection

Insurance frauds are a common incidence. Big data use case for reducing fraud is highly effective.

Around 100+ students of B.Tech of CSE has attended and interacted with the guest. A good feedback has been given by the students.


Principal


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Ibrahimpatnam (M), R.R.

- Industrial design: to visualize, calculate or model.



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FEEDBACK FORM

Speaker Name : Mrs. Pooja Dwedi


TOPIC : Augmented Reality & Virtual Reality

DEPARTMENT : CSE

ACADEMIC YEAR: 2018-19

Score each of the following aspects of the presentation on a scale of 1 to 5 (5 : excellent , 4: good , 3 : average , 2 : needs improvement , 1 : poor).

s.no	Roll. no	Name of the student	5	4	3	2	1
1	145U1A0561	A VARUN KUMAR YADAV		✓			
2	145U1A0562	KOTA SRI RAVALI		✓			
3	145U1A0563	LINGAM RITHVIK		✓			
4	145U1A0565	MULA GOPINATH GOUD			✓		
5	145U1A0566	M VINEETH		✓			
6	145U1A0567	MALREDDY ANUSHA		✓			
7	145U1A0568	MAMIDALA UMAKANTH	✓				
8	145U1A0570	M PRAVEEN KUMAR			✓		
9	145U1A0571	MERUGA ROJA SRI		✓			
10	145U1A0572	M ABHISHEK CHANDRA		✓			
11	145U1A0575	NOOLI ASHWITHA	✓				
12	145U1A0576	NAZNEEN AKSA		✓			
13	145U1A0577	P ROHITH		✓			
14	145U1A0578	VENKATESHWAR RAO	✓				
15	145U1A0579	PADAMATI RADHIKA		✓			
16	145U1A0580	PALAPARTHI GOPI CHAND			✓		
17	145U1A0581	PENUGONDA AKHIL SAI		✓			
18	145U1A0582	PILLALA BALAKRISHNA		✓			
19	145U1A0583	R SHRESTA		✓			
20	145U1A0584	REPELLI VINEETH	✓				
21	145U1A0585	REDDY SARANLAL		✓	✓		
22	145U1A0586	S BHAVANA CHOUDHARY		✓			
23	145U1A0587	S R SAI KRISHNA REDDY			✓		
24	145U1A0588	SADINENA SANJEETHA			✓		
25	145U1A0589	SAMALA SREEJA REDDY				✓	
26	145U1A0590	SANGEM SOWMYA	✓				
27	145U1A0591	SHILPA MAURYA	✓				


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 VN Institute of Engineering & Technology
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 Ibrahimpatnam (M). R.R.

28	145U1A0592	SURAM PRASHANTH REDDY		✓			
29	145U1A0593	SURUKANTI RANI	✓				
30	145U1A0594	SURYA PAVAN KUMAR GOUD		✓			
31	155U1A0501	A SAI KIRAN	✓				
32	155U1A0503	ANNU DIVYA REDDY		✓			
33	155U1A0504	ANARSIMMHACHARY		✓			
34	155U1A0505	B APARNA REDDY			✓		
35	155U1A0506	BALTHU LAKSHMI PRANATHI			✓		
36	155U1A0507	BATHKULA NIHARIKA		✓			
37	155U1A0508	BODA HARI KRISHNA		✓			
38	155U1A0509	BODAPATI TRIGVEL TEJ		✓			
39	155U1A0510	BOGADI MOUNISH REDDY			✓		
40	155U1A0512	BONTHU MOHAN SREE VINAY		✓			
41	155U1A0513	BURRA SRAVAN GOUD		✓			
42	155U1A0514	BURUGU ANUSHA		✓	✓		
43	155U1A0515	BUYA SOWMYA		✓			
44	155U1A0516	C SHALINI		✓			
45	155U1A0517	CHERUKURI SAI KRISHNA			✓		
46	155U1A0520	CH PRATHYUSHA REDDY			✓		
47	155U1A0521	DASARLAPALLY NAVEENA			✓		
48	155U1A0522	DEVABHATTINI RAKESH		✓			
49	155U1A0523	ERRA ANUHYA	✓				
50	155U1A0524	ETIKOTA KRISHNA MEGHANA		✓			
51	155U1A0525	GADDAM PRIYANKA		✓			
52	155U1A0526	GANGIDI NIKHITHA	✓				
53	155U1A0527	GARLAPATI PHANINDHRA		✓			
54	155U1A0528	GEEDI SACHIN	✓				
55	155U1A0530	GUDURI GNANASAI				✓	
56	155U1A0532	INDRAKANTI HARI CHARAN		✓			
57	155U1A0533	ISHWARYA	✓				

HOD of CSE Department.

Principal

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..... *Computer Science Engineering* has attended
a Week/Day Certification Course on *Augmented Reality and Virtual Reality*

at AVIN Institute of Engineering & Technology, Organized by ICTs.

Principal
AVIN Institute of Engineering & Technology
Bangaluru (V), Patalguda (MP),
Ibrahim Saham (M), R.R.



SECTION HEAD



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 09-01-2019

All the IV B.TECH Students are hereby informed that the department is going to organize a certificate program on "VLSI AND EMBEDDED SYSTEM DESIGN" from 21-01-2019 in Collaboration with MEPAC³ ENGG SOLUTIONS PVT LTD. The interested candidates are informed to register their names in the department office on or before 18-01-2019. The fee particulars and schedule details of the program are enclosed

P. V. Shukla
HOD

Head of the Department
Electronics & Communication Engineering,
AVN Institute of Engineering & Technology,
Patelguda (M) R.R. Dist. 501510

[Signature]

PRINCIPAL
AVN Institute of Engineering & Technology
Patelguda (M), R.R. Dist. 501510



TO

Date: 03-01-2019

The Principal,
 AVNIET,
 Hyderabad,

Sub: Requesting to conduct certificate program.

Respected sir,

Department of ECE seeking permission to organize a certificate program on "VLSI AND EMBEDDED SYSTEM DESIGN" in association with MEPAC³ ENGG SOLUTIONS PVT LTD. from 21/01/2019. The program will be of 40hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you

(Signature)

P. V. Shankar
HOD
 Head of the Department
 Electronics & Communication Engineering
 Institute of Engineering & Technology
 Ibrahimpatnam (M) R.R. Dist-501 510 A.P.

(Signature)
PRINCIPAL & Technology
 AVN Institute of Engineering & Technology
 Mangalpally (M) R.R. Dist-501 510 A.P.
 Ibrahimpatnam (M) R.R.

Certificate program on VLSI & Embedded system Design

Very-large-scale integration (VLSI) is the process of creating an integrated circuit (IC) by combining hundreds of thousands of transistors or devices into a single chip. VLSI began in the 1970s when complex semiconductor and communication technologies were being developed. The microprocessor is a VLSI device. This Workshop majorly focuses on VLSI Design. VLSI and Embedded Systems Design Techniques are the main pillar of most of the present research, industrial and commercial activities in Electronics Engineering. This training program focuses on specific design techniques using VLSI Design Tools & Software. It also focuses on embedded system techniques such as Microcontroller Programming.

Topics to be covered

S.NO	CONTENT	NO.OF DAYS
1.	Introduction Of Embedded System <ul style="list-style-type: none"> • What is Embedded Systems • Microcontrollers, Microprocessors • Difference b/w Microcontrollers & Microprocessors • Applications of Embedded Systems 	4 Days
2.	Introduction Embedded C <ul style="list-style-type: none"> • Difference b/w Embedded C and C • Benefits of C over Assembly language • Data type and its memory representation • Arrays • Operators • Bit Operators • Control statements, loops 	5 Days
3.	Embedded Programming and Interfacing Peripherals AVR series Microcontrollers	5 Days

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	<ul style="list-style-type: none"> • Introduction of AVR • Features and architecture of AVR • Input /output port • Memory organization • Led blinking Programming concept • Glowing LEDs in a pattern of your choice • Controlling Relay by microcontroller • Intro to LCD • Interfacing sensor • Interfacing Motors 	
4.	<p>Introduction to VLSI</p> <ul style="list-style-type: none"> • Introduction to SSI,LSI,VLSI • Introduction of Discreet Component and IC. • Electronics Design Advantage of IC • Why VLSI? • Why silicon? • Fabrication Ste 	4 Days
5.	<p>Introduction Of Digital Electronics Combinational Logic Circuit</p> <ul style="list-style-type: none"> • Adders • Subtractor • Mux/Demux • Encoder/Decoder • Parity checker/generator • Sequential Logic Circuit • Flip Flops • Latchs • Counters 	5Days

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	<ul style="list-style-type: none"> • Register 	
6.	<p>Introduction to HDL's (VHDL/VERILOG)</p> <ul style="list-style-type: none"> • Introduction of HDL • Why HDL • Design Methodologies • Introduction to VHDL • Data Types VHDL Design Flow • VHDL Syntax – Some General Rules • The Standardization of VHDL • Libraries and Packages • ENTITY • Architecture Body(functionality of entity) • MODELLING • STRUCTURAL • DATAFLOW • BEHAVIORAL • MIXED • Data Objects • Signals • Variables • Constant • AND ,OR ,NOR,XOR,NOT Gate 	5 Days
7.	<p>Lab session</p> <ul style="list-style-type: none"> • HALF Adder • FULL Adder • Half Subtractor • Full subtractor 	6 Days

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Ibrahimpattam (M) R.R.



	<ul style="list-style-type: none">• Encoder• MUX• Decoder• D Flip Flop• T Flip Flop• JK Flip Flop• Up counter• Down counter• Up and down counter• Ripple counter• Ring counter• Shift Register	
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P. V. Dhaka
Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Patelguda (M) R.R. Dist. T.S.

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M) R.R.



Report On Program Organized By Department Of ECE, AVNIET:

The department of ECE has organized a certificate program on “VLSI AND EMBEDDED SYSTEM DESIGN” in association with MEPAC³ ENGG SOLUTIONS PVT LTD. The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by Mr. Obedulla Bin Abdulla

Mr. Obedulla Bin Abdulla focused on the fundamentals of VLSI chip design methodology along with the concepts of ASIC full-custom and semi-custom design, which was followed by hands-on on Mentor Graphics tool for Simulation and Layout design.

He briefed the participants about the 7-Series Architecture and the basics of Vivado design flow, which was followed by hands-on on creating HDL and Embedded system design flow and its constraints.

On the last day of the program, the resource person focused on debugging of system design using Vivado logic analyzer and SDK, and introduced high-level synthesis with Vivado HLS..

Time to time Practical Assignments was provided to the students, which will help them in doing practice at home. Revision Time & Query Sessions were provided to the students which help them in clearing their all previous doubts. Exam also conducted at the end of basic. Around 35 students of IV B.Tech ECE have attended the session.

N. Sagesh
COORDINATOR

P. V. Sheshu
Head of the Department
of Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Patelguda, Ibrahimpatnam (M), R.R. Dist, 501510, T.S

PRINCIPAL
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Ibrahimpatnam (M), R.R.



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 011415-201345, www.avnet.ac.in, Email: avn.principal@apjmail.com



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGISTERED STUDENTS LIST

A.Y: 2018-19

Name of Program: VLSI & Embedded System Design Year & Sem:IV-B.Tech II-Sem

S.No.	Roll Number	Name of Student	Signature
1	155U1A0408	BIKUMALJA KAVYA	[Signature]
2	155U1A0409	IBRADAR SUNANDA G	[Signature]
3	155U1A0411	SRIVATHISA	[Signature]
4	155U1A0412	BONDADA SAI JAYA SURYA	[Signature]
5	155U1A0413	BONTHU ADITYA DEVI	[Signature]
6	155U1A0415	BURUGU DIVYA	[Signature]
7	155U1A0419	CHEPURI RAMYA	[Signature]
8	155U1A0421	CHEPALLY MOUNIKA	[Signature]
9	155U1A0422	CHIMALPADE JAIRAM	[Signature]
10	155U1A0423	CHINAMAR BHARGAVI	[Signature]
11	155U1A0424	CHINTAKRINDI SRIHARI	[Signature]
12	155U1A0425	CH SHIVA KUMAR REDDY	[Signature]
13	155U1A0427	DESHAM MOUNIKA REDDY	[Signature]
14	155U1A0428	DIVANJI VAISHNAVI	[Signature]
15	155U1A0439	IIAKKI SAI THARUNKUMAR	[Signature]
16	155U1A0440	JAKKIDI SAI PRANAY REDDY	[Signature]
17	155U1A0446	KONDAPARTHI ALEKHA	[Signature]
18	155U1A0450	KOTHA SAI MANASWINI	[Signature]
19	155U1A0455	MANJULA T	[Signature]
20	155U1A0459	MUNAGALA SRAVAN REDDY	[Signature]
21	155U5A0417	P SINDHUJA	[Signature]
22	155U5A0418	R SANDHYA RANI	[Signature]
23	155U1A0466	NUTHULA VIJAYA DURGA	[Signature]
24	155U1A0467	P KEERTHI	[Signature]
25	155U1A0468	P VAMSHI KRISHNA GOUD	[Signature]
26	155U1A0469	PANDIRI PAVAN KALYAN	[Signature]
27	155U1A0470	PEDDITI PRAVEEN REDDY	[Signature]
28	155U1A0471	SIVA PRASHANTH	[Signature]
29	155U1A0472	PHARALE DEEPAK RAO	[Signature]
30	155U1A0477	RAMIDI SAI KIRAN REDDY	[Signature]
31	155U1A0479	RAO SPANDANA RAO	[Signature]
32	155U1A0494	THOTA MAHANTHI RAJA	[Signature]
33	155U1A0497	V AKHIL	[Signature]
34	155U1A0498	VALLAPREDDY SAI DIVYA	[Signature]
35	155U1A04A1	VUJJINI SIEKHAR RAO	[Signature]
36	155U1A04A2	Y BHARAT KUMAR REDDY	[Signature]

PRINCIPAL
AVN Institute of Engineering & Technology
Patelguda (M), R.R.Dist (MP)

P. U. Shukla
HOD of the Dept. of
Communication Engineering
and ECE (M) R.R. Dist (M)



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

A.Y: 2018-19

ATTENDANCE SHEET

Program: VLSI & Embedded Systems Design Year & Sem: IV-B.Tech II-Sem

37/1

Roll Number	Name of Student	21/11		22/11		23/11		24/11		25/11		28/11		29/11		30/11	
		F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N
155UIA0408	BIKUMALLA KAVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0409	BIRADAR SUNANDA G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0411	SRIVATHSA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0412	BONDADA SAI JAYA SURYA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0413	BONTHU ADITYA DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0415	BURUGU DIVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0419	CHEPURI RAMYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0421	CHETIPALLY MOUNIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0422	CHIMALPADE JAIRAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0423	CHINAMAR BHARGAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0424	CHINTAKRINDI SRIHARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0425	CH SHIVA KUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0427	DESHAM MOUNIKA REDDY	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0428	DIVANJI VAISHNAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0439	IHAKKI SAI THARUNKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0440	JAKKIDI SAI PRANAY REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0446	KONDAPARTHI ALEKYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0450	KOTHA SAI MANASWINI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0455	MANJULA T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0459	MUNAGALA SRAVAN REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U5A0417	P SINDHUJA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U5A0418	R SANDHYA RANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0466	NUTHULA VIJAYA DURGA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0467	P KEERTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0468	P VAMSHI KRISHINA GOUD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0469	PANDIRI PAVAN KALYAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0470	PEDDITI PRAVEEN REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155UIA0471	SIVA PRASHANTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

AVN Institute of Engineering & Technology
 Ibrahimpatnam (M), R.R
 Mangalpally (V), Pateiguda (MP)

COURSE COMPLETION CERTIFICATE

This is to Certify that
MR. HAKKI SAI THARUN KUMAR (155U1A0-139)
 from IV B.Tech ECE
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 Has Successfully completed the Certificate Program on
" VLSI & EMBEDDED SYSTEM DESIGN "
 from
MEPAC³ ENGINEERING SOLUTIONS PVT. LTD
 during
21ST JANUARY 2019 to 31ST JANUARY 2019.

For MEPAC³ Engineering Solutions Pvt. Ltd

Obedulla Bin Abdululla
 Name: Obedulla Bin Abdululla
 Designation: Managing Director



[Signature]
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 Mangalpally (V), Peddapalle (MP).

HVAC | Lift, Escalator & Car Parking Solutions Fire Alarm & Protection Systems
 Nirmal Towers, Flat No 107, Near Saibaba Temple, Dwarakapuri Colony, Punjagutta, Hyderabad - 500082, T.S.
 Mobile: +91 96661 65007, Landline: 040-48516007, Email: customercare@mepac.in | Website: www.mepac.in

Registered office
 H No. 12-2-389/A/135, Mahaveer Nagar Colony, Gudimalkapur, Asif Nagar, Hyderabad, Telangana, India, 500020.

[Signature]
 Head of the Dept.
 Communication & Technology
 Avn Institute of Engineering & Technology
 Mangalpally (V), Peddapalle (MP)

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: VLSI & Embedded System Design

Date: 22/1/2019

Class: IV-II

Branch: ECE

Section: B

S.No		1	2	3	4	5
	Program Content	Subject Knowledge	Communication & Presentation Skills	Hands-on sessions	Clarification of Doubts	Interaction & Encouragement
1	5	4	3	2	5	4

Suggestions if any:

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Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: VLSI & Embedded System Design

Date: 22/1/2019

Name: P. Praveen Reddy
Class: P. Praveen Reddy

Branch: ECE

Section: IV-II ECE-B

S.No		1	2	3	4	5
	Program Content	Subject Knowledge	Communication & Presentation Skills	Hands-on sessions	Clarification of Doubts	Interaction & Encouragement
1	4	4	5	5	5	4

Suggestions if any: Satisfied with this workshop

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 23 -07-2018

All the II, III & IV- B.TECH students are hereby informed that the department is going to organize a Certificate Program on “ VIDEO & IMAGE PROCESSING USING MATLAB” from 01st AUGUST 2018 in association with HACK BOATS. The interested candidates are informed to register their names in the department office on or before 30-07-2018. The fee particulars and schedule details of the program are enclosed.

Copy to:

- All Class Rooms
- Notice Board

P.V. Reddy
HOD
Head of the Department
Electronics & Communication Engineering
Institute of Engineering & Technology
Patelguda (M), R.R. Dist. T.S.

K.H.D.
PRINCIPAL
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Ibrahimpattnam (M), R R Dist T S



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To

The principal,

AVNIET,

Hyderabad.

Sub: Requesting to conduct certificate program.

Respected sir,

Department of ECE seeking permission to organize a Certificate Program on "VIDEO & IMAGE PROCESSING USING MATLAB" in association with HACK BOATS Solutions from 01/08/2018(WEDNESDAY). The program will be of 45 to 50 hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you

P.V. R. Hele
Head of the Department
HOD-ECE
Department of Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Ibrahimpatnam (M), R.R. Dist. T.S.

[Signature]
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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP)
Ibrahimpatnam (M), R.R. Dist. T.S.

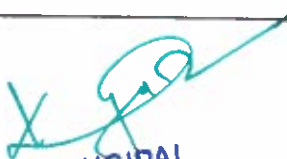


SCHEDULE :IMAGE AND VIDEO PROCESSING USING MATLAB

Content	No. of Days
Module 1:Introduction to MATLAB <ul style="list-style-type: none">• What is MATLAB• The dominance of MATLAB over other languages• Power of matrix computations• The applications of MATLAB in various fields of engineering• MATLAB environment	3 Days
Module 2:Arithmetic functions in MATLAB <ul style="list-style-type: none">• Matrixes and vectors• Creating matrixes and vectors• Matrix operations• Array operations• Indexing matrix• Adding elements to vector or matrix• Various flow control used in MATLAB• 2D&3D graphical plotting	3 Days
Module 3:Introduction to signals & systems <ul style="list-style-type: none">• 2D&3D discrete signals• Complex exponentials signals• Linear shift-invariant systems• 2D convolution• Filtering in the spatial domain	3 Days
Module 4: Introduction to Simulink <ul style="list-style-type: none">• Introduction to Simulink• Applications of Simulink in systems modeling• Modeling basic electrical circuit in Simulink and obtaining characteristics plots	3 Days
Module 5:Fourier transform and sampling <ul style="list-style-type: none">• 2D Fourier transform• Sampling• Discrete Fourier transform• Filtering in the frequency domain• Change of sampling rate	4 Days
Module 6: Introduction to image processing <ul style="list-style-type: none">• What is image data• Image processing toolbox• Importing image• How to build a matrix image• Image display• Image operations• Image conversion	4 Days
Module 7:Image of arithmetic <ul style="list-style-type: none">• Adding images• Subtracting images• Multiplying images• Dividing images• Spatial transformations• Resizing images• Rotating images• Cropping images	4 Days

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Module 8:Image filtration <ul style="list-style-type: none"> • What is image restoration • Noise and images • Noise models • Noise removal using spatial domain filtering • Periodic noise • Noise removal using frequency domain filtering 	4 Days
Module 9:Morphological image processing <ul style="list-style-type: none"> • Mathematical Morphology • Z2 & Z3 • Basic set theory • Logic operations • Structuring element • How to describe structuring element • Basic Morphological operations • Erosion • Dilation • Combining erosion and dilation • Filtering application • Introduction to graphical user interface • Application and demos 	4 Days
Module 10:Image recovery <ul style="list-style-type: none"> • Examples of image and video recovery • Images restoration • Matrix-vector notation for images • Inverse filtering • Constrained least squares • Set-theoretic restoration approaches • Iterative restoration algorithms • Iterative least-squares and constrained least-squares • Spatially adaptive algorithms 	4 Days
Module 11:Image compression <ul style="list-style-type: none"> • Scalar quantization • Vector quantization • Differential pulse-code modulation • Fractal image compression • Transform coding • JPEG • Sub band image compression 	3 Days
Module 12:Video compression <ul style="list-style-type: none"> • Motion-compensated hybrid video encoding • On video compression standards • 261,H.263,MPEG-1 and MPEG-2 • MPEG-4 • 264 • 265 	3 Days
Module 13:Image and video segmentation <ul style="list-style-type: none"> • Methods based on intensity discontinuity • Methods based on intensity similarity • Watersheds and K-Means algorithms • Advanced methods 	3 Days


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Head of the Department
 Electronics & Communication Engineering
 AVN Institute of Engineering & Technology
 Ibrahimpatnam (M), R R Dist TS



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENTS REGISTERED LIST

Name Of Program: "VIDEO AND IMAGE PROCESSING USING MATLAB"

Date: 1/8/2018

S.No.	Hall Ticket No.	Student Name	Year	Signature
1	145U1A0401	A MANISH KUMAR	IV-ECE	Manish
2	145U1A0404	AMRUTHA DIVYA	IV-ECE	Amrutha Divya
3	145U1A0415	CH. DIVYA REDDY	IV-ECE	Divya
4	145U1A0421	C NISHITHA GUPTA	IV-ECE	Nishitha
5	145U1A0425	D SAI JYOTHI	IV-ECE	Jyothi
6	145U1A0433	K VARSHINI	IV-ECE	Varshini
7	145U1A0442	K SINDHU	IV-ECE	Sindhu
8	145U1A0444	M VAISHNAVI REDDY	IV-ECE	Vaishnavi
9	145U1A0456	S SAI VAMSHI	IV-ECE	Vamshi
10	145U1A0453	G NAVANITH KUMAR	IV-ECE	Navanith kumar
11	145U1A0470	P BHUVANESHWARI	IV-ECE	Bhuvaneshwari
12	145U1A0476	P NITHEESH BHARADWAJ	IV-ECE	Nitheesh
13	145U1A0477	P MONALI	IV-ECE	Monali
14	145U1A0487	ROHAN P SIDDANTHI	IV-ECE	Rohan
15	145U1A0491	SHAIK ASIF	IV-ECE	Shikpa
16	145U1A0493	S RAKESH GUPTA	IV-ECE	Rakesh
17	145U1A04A0	T NIKHIL KUMAR	IV-ECE	Nikhil
18	145U1A04A4	Y DEEPIKA	IV-ECE	Deepika
19	145U1A04A5	Y SRAVANI	IV-ECE	Srivani
20	145U1A04A7	Y POOJA REDDY	IV-ECE	Pooja
21	155U5A0406	G V HARI CHARAN	IV-ECE	Hari Charan
22	155U5A0413	N NAVYASRI	IV-ECE	Navyasri


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Ibrahimpatnam (M), R R Dist TS

23	155U5A0417	P SINDHUJA	IV-ECE	Sindhuj
24	155U1A0408	B KAVYA	III-ECE	Kavya
25	155U1A0413	B ADITYA DEVI	III-ECE	Aditya
26	155U1A0415	B DIVYA	III-ECE	Divya
27	155U1A0439	H SAI THARUN KUMAR	III-ECE	Sai
28	155U1A0446	K ALEKHYA	III-ECE	K. Alekha
29	155U1A0449	K SAI PRASANNA	III-ECE	Sai
30	155U1A0458	M SANTOSH KUMAR	III-ECE	Santosh
31	155U1A0466	N VIJAYA DURGA	III-ECE	N. Vijaya
32	155U1A0472	P DEEPAK RAO	III-ECE	Deepak
33	155U1A0479	R SPANDANA RAO	III-ECE	Spandana Rao
34	155U1A0486	SEENA SABU	III-ECE	Seena Sabu
35	155U1A04A2	Y BHARATH KUMAR	III-ECE	Bharath
36	165U5A0420	SABA SULTANA	III-ECE	Sabana
37	165U1A0424	Y NAVYA	III-ECE	Navya
38	175U1A0403	A ARAVIND	II-ECE	Aravind
39	175U1A0407	B PRIYANKA	II-ECE	Priyanka
40	175U1A0410	B OMKAR	II-ECE	Omkar
41	175U1A0415	CH PULKITH	II-ECE	Pulkith
42	175U1A0422	G ALEKYA	II-ECE	Alekya
43	175U1A0425	G SARAYU	II-ECE	Sarayu
44	175U1A0429	GURDEEP SINGH	II-ECE	Gurdeep
45	175U1A0456	N SUNIL REDDY	II-ECE	Sunil
46	175U1A0466	POOJA BIRADAR	II-ECE	Pooja
47	175U1A0477	V SAMPATH	II-ECE	Sampath
48	175U1A0485	KESHAV	II-ECE	Keshav

18/1/18
Co-ordinator

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP)
Ibrahimpatnam (M), R R Dist T S

P. V. Ramesh
HOD
Head of the Department
Electronics & Communication Engineering
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ATTENDANCE SHEET

A. Y: 2018-19

Name of Program: VIDEO & IMAGE PROCESSING USING MATLAB

S.No.	Roll Number	Name of Student	Date	1/8	2/8	3/8	4/8	9/8	10/8	16/8	17/8	18/8	23/8	24/8	25/8	30/8	31/8	1/9
1	145UIA0401	A MANISH KUMAR	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	145UIA0404	AMRUTHA DIVYA	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	145UIA0415	CH. DIVYA REDDY	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	145UIA0421	C NISHITHA GUPTA	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	145UIA0425	D SAI JYOTHI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	145UIA0433	K VARSHINI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	145UIA0442	K SINDHU	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	145UIA0444	M VAISHNAVI REDDY	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	145UIA0456	S SAI VAMSHI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	145UIA0453	G NAVANITH KUMAR	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	145UIA0470	P BHUVANESHWARI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	145UIA0476	P NITHEESH BHARADWAJ	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	145UIA0477	P MONALI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	145UIA0487	ROHAN P SIDDANTHI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	145UIA0491	SHAIK ASIF	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	145UIA0493	S RAKESH GUPTA	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	145UIA04A0	T NIKHIL KUMAR	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	145UIA04A4	Y DEEPIKA	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	145UIA04A5	Y SRAVANI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	145UIA04A7	Y POOJA REDDY	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	155U5A0406	G VHARI CHARAN	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	155U5A0413	N NAVYASRI	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	155U5A0417	P SINDHUJA	IV-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	155UIA0408	B KAVYA	III-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	155UIA0413	B ADITYA DEVI	III-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	155UIA0415	B DIVYA	III-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	155UIA0439	H SAI THARUN KUMAR	III-ECE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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Ibrahimpalnam, R.R. Dist. TS



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REPORT ON CERTIFICATE PROGRAM ORGANIZED BY DEPT. OF ECE, AVNIET :

The department of ECE has organized a Certificate program on “**VIDEO & IMAGE PROCESSING USING MATLAB**” in association with **HACKBOATS**. The program was started with an inauguration Ceremony by **PRINCIPAL DR. Y. ELLAMRAJ** & by **MR. R.K MAHAN**, Technical Director, **HAACKBOATS**, Hyderabad on 1st August 2018 at ECE seminar hall.

Mr.R.K Mahan addressed the gathering about the importance of image and video processing using MATLAB and also mentioned how effectively the technology can be used in areas like health monitoring systems, smart homes and smart cities etc. Around 48 students of III & IV- B.Tech ECE have attended the session.

Co-ordinator

Thant
18/8/18


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP)
Ibrahimpatnam (M), R R Dist TS

HBi030



CERTIFICATE

Date: 09 NOVEMBER 2018

This is to Certify that

G. ALEKHYA (175U1A0422)

A Student of B.Tech [E.C.E] from

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

Has successfully completed Certificate Program on

"VIDEO & IMAGE PROCESSING USING MATLAB"

With HackBoats Inc. from 01st AUGUST 2018 to 09th NOVEMBER 2018.

Your work have been appraised and appreciated by the entire team. You seem to have enormous interest and skills in technology, which gets reflected in your work.

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Apartment, Pragathi
Nagar, Hyderabad - 90

CONTACT

+91 9963449974

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Department of Electronics & Communication Engineering

Feedback on Certificate Course

Speaker Name : MR. A.K. MAHAN

Course Name & Topic Name: Video & Image Processing Using MATLAB

Department : Electronics & Communication Engineering

Academic year : 2015-16

Score each of the following aspects of the presentation on the scale 1 to 5
(5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

S.No	HALLTICKET NUMBER	STUDENT NAME	5	4	3	2	1
1	145U1A0401	A MANISH KUMAR		✓			
2	145U1A0404	AMRUTHA DIVYA	✓			✓	
3	145U1A0415	CH. DIVYA REDDY					
4	145U1A0421	C NISHITHA GUPTA		✓			
5	145U1A0425	D SAI JYOTHI			✓		
6	145U1A0433	K VARSHINI		✓			✓
7	145U1A0442	K SINDHU	✓				
8	145U1A0444	M VAISHNAVI REDDY	✓			✓	
9	145U1A0456	S SAI VAMSHI	✓				
10	145U1A0453	G NAVANITH KUMAR		✓			
11	145U1A0470	P BHUVANESHWARI			✓	✓	
12	145U1A0476	P NITHIESH BIARADWAJ	✓				
13	145U1A0477	P MONALI	✓				✓
14	145U1A0487	ROHAN P SIDDANTHI			✓		
15	145U1A0491	SHAIK ASIF	✓				✓
16	145U1A0493	S RAKESH GUPTA	✓				
17	145U1A04A0	T NIKHIL KUMAR		✓			
18	145U1A04A4	Y DEEPIKA		✓			
19	145U1A04A5	Y SRAVANI	✓				
20	145U1A04A7	Y POOJA REDDY		✓			
21	155U5A0406	G V HARI CHARAN			✓	✓	
22	155U5A0413	N NAVYASRI			✓		
23	155U5A0417	P SINDHUJA		✓		✓	
24	155U1A0408	B KAVYA			✓	✓	
25	155U1A0413	B ADITYA DEVI			✓		
26	155U1A0415	B DIVYA		✓			
27	155U1A0439	H SAI THARUN KUMAR		✓			
28	155U1A0446	K ALEKIIYA	✓				
29	155U1A0449	K SAI PRASANNA			✓		
30	155U1A0458	M SANTOSH KUMAR		✓			
31	155U1A0466	N VIJAYA DURGA		✓			
32	155U1A0472	P DEEPAK RAO		✓		✓	
33	155U1A0479	R SPANDANA RAO				✓	
34	155U1A0486	SEENA SABU		✓			

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35	155U1A04A2	Y BHARATH KUMAR		✓			
36	165U5A0420	SABA SULTANA	✓				
37	165U1A0424	Y NAVYA	✓				
38	175U1A0403	A ARAVIND			✓		
39	175U1A0407	B PRIYANKA					✓
40	175U1A0410	B OMKAR		✓			
41	175U1A0415	CH PULKITHI	✓				
42	175U1A0422	G AI EK YA		✓			
43	175U1A0425	G SARAYU		✓			
44	175U1A0429	GURDEEP SINGH	✓		✓		
45	175U1A0456	N SUNIL REDDY	✓				
46	175U1A0466	POOJA HIRADAR		✓			
47	175U1A0477	V SAMPATH	✓				
48	175U1A0485	KESHAV					✓

P.V. R. K. Reddy
 Head of the Department
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K. S. R.
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Department of civil Engineering

Date: 07.09.2017

Ref: 01/AVN/CE-3


Circular

All the IV-B.TECH Students are hereby informed that the department is going to organize a certificate course on "ESTIMATION AND QUANTY" from 12 SEP 2017 to 23 SEP 2017 in association with INSTITUTE OF ENGINEERING the interested candidates are informed to register their names in the department office on before 12/09/2017.


HOD-CIVIL

To be read in,

Class room.


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AVNIET/CE/2017-18

DATE: 07.09.2017

From:

MR.T.AJITH,
Assistant professor,
Department of CE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on “ESTIMATION AND QUANTITY”-Reg:-


We have planned to conduct certificate course on “ESTIMATION AND QUANTITY”- in the academic year 2017-18 for IV Year students of civil engineering department from 12.09.2017 to 23.09.2017(2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


HOD/CE


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Background:

"Quantity surveying" can be dated back to the antiquated Egyptian civilization where they Utilized dedicated personnel for the completion of estimations and costing for their great and Magnificent structures. It formed into an occupation amid the 17 century restoration of London after the Great Fire.

In 1836it emerged as a new age profession when the new Houses of Parliament of Great Britain, designed by Sir Charles Barry, turned into the first public contract to be completely Measured and tendered utilizing Bills of Quantities (BoQ's) of amounts for money related Responsibility. (RICS, 2005)

1.2 Introduction:

The world is evolving quickly day by day. So are the requests and demands on the Professions, and thus the roles of professional experts. All divisions in an organization with Context to the economy are under expanding pressure to offer wide range of services that are Innovative, value added and also to come up with solutions on how to survive and face the Rapid changes and increasing competition in the world market. In short over the last few Decades, the quantity surveying profession has experienced various transitions. The Appearance of data innovation and the potential it offered, combined with the downturn in Development movement in the UK and various different nations amid the mid-1980s and late 1990s.

Thus these challenges called for change in the functionality of quantity surveying profession. Haran and Torrance (2006) proposes that quantity surveyors ought not to contain themselves Inside the traditional limits of cost administration; they require developing new specialties, Developing new information and break into new zones with a specific end goal to upgrade their competitiveness.

1.3 What is Quantity surveying..?

It can be characterized as, a profession which guarantees that the assets of the construction Business is used to the best point of interest of society, by suggesting the most economical monetary administration for undertakings and an expense consultancy service to client, Builder and planner amid the entire construction process.

1.4 Who is called a Quantity Surveyor..?

The Quantity Surveyor (QS), otherwise called a Construction Economist or Cost Manager, is One among a group of expert counselors to the construction industry. As consultants they gauge and screen construction costs, from the practicality/feasibility phase of a venture through the completion of the development period. After development they may be included With tax deterioration plans, swap cost estimation for protection purposes and, if essential, Arbitration and mediation. (AIQS, 2015)

Services offered by a Quantity Surveyor:

The principal services that are offered by any quantity surveyor or a Quantity Surveying firm Across the globe are as follows:

The modern services that are being offered in the recent past by few of the quantity

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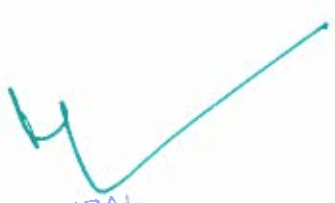
Surveyors or the Quantity Surveying firm across the globe are as follows:

Roles of a Quantity Surveyor (QS):

A qualified Quantity Surveyor has numerous options to gain employment, and involve in wide Range of activities. Usually they are employed by Quantity surveying firms, construction Companies, Property developers etc...

The quantity surveyors working for Consultant firms are held by the project clients to Guarantee that whatever is being constructed is the thing that the client needs or could manage.

the money related premiums of the contractor. He will be responsible for computing and recording of monetary/financial estimations of the works that are done and guarantees that the contractor is paid appropriately and on time.


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**Report On Certificate Program on ESTIMATION AND QUANTY Organized By Civil
Department:**

The department of civil has organized a certificate program on ESTIMATION AND QUANTY in association with MS INSTITUTE OF ENGINEERING.


This program was started with an inauguration ceremony by Principal DR.ELLAM RAJ By MR. MUZAFFAR, QA/QC ENGINEER IN MS INSTITUTE OF ENGINEERING. On 12TH SEP 2017 to 23 SEP 2017 at civil seminar hall.

The session was continued by Mr. MUZAFFAR, who began with an Introduction to ESTIMATION AND QUANTY, the session was so interesting to know about new things about ESTIMATION AND QUANTY.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 120 students of IV Year of civil department have attended for the session.


Co-ordinator


HOD


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REPORT ON ESTIMATING AND QUANTITY

1 Quantity Surveying in Construction Phases:

The QS is involved in almost all of the construction phases with a vivid and wide role to play in each of the phase. The following discusses the duties and responsibilities of QS in each of these stages as follows;

Pre- Construction Phase:

The QS examines the 'designers' and 'engineers' plans, distinguishes the expenses involved, and then sets a general assessed budget plan for each task in the project.

Design Phase:

In this phase the QS involves with the design team and suggests practical solutions so that the project turns out to be economical within the allotted budget of the project, which in short is called as Value Engineering.

Tendering Phase:

In this phase the QS advises on tendering and contractual plans considering the client's needs and other data accessible from the designers. He also advises on the insurances and liabilities with the client's insurance advisers. The detailed and final tender estimate is Prepared by the QS, together with the project architect.

Tender Selection & Appraisal:

At this stage the QS advises on short listing of tenders and look into the financial standing and experience of the renderer. He also advices on errors and negotiates on offers. The final review of financial budget and recommends the best tender.

Construction Phase:

Amid the construction phase the QS will, get ready with suggestions for payments to contractors, subcontractors and suppliers as per the agreement prerequisites. Also he Evaluate expense impacts when there are changes happening in the project, i.e. like delays and variations with contractors and agencies. He also involves in resolving disputes between clients, designers, contractors, subcontractors and others related with the project.

Post Construction Phase:

The QS prepares the statements for final accounts, which records the genuine expenses occurred in all areas of the employment in the project. Also the documents required for the technical auditing are made available. Tax deduction policies and laws are considered and applied wherever needed.

Thus these are the various duties and responsibilities of a QS in each of the stages.



The changing face of Construction Industry:

The rapidly changing scene of the construction industry additionally demands that present specialists and in addition future experts ought to be proactive to drive change rather than only adapting to improvements. Also Quantity surveying profession is experiencing a period of fast change. There was a time when the profession was thought to be confronting extinction, but now it has revitalized, and confronts an appeal for the services that are provided for the construction activities all across the globe.

There is a new optimism about the future of quantity surveying as a profession and quantity surveyors are now seen as important players in the construction industry (Smith, 2004).

Modern Quantity Surveying- Adding values to Projects:

The changes involved in the modern quantity surveying practices have and are resulting in adding great values to construction projects across different industries. The primary changes involved are as discussed below;

Prior Engagement of QS services by Clients:

Currently in construction industry every stakeholder has a multirole to be played considering his/her profession, i.e. these days, clients are mastering with the tasks involved in the construction work. The client needs to appoint the QS as early as possible in the project, preferably prior to the construction phase, in order to get the most out of a quantity surveyor. Therefore QS plays a vital role in meeting up clients, before lodging tenders, keeping in mind the end goal is to meet the client's requirements.


Introduction of Information Technology (IT) in Design Aspects:

Involving IT concepts into the aspects of design, and the potential it offers has changed the way of stakeholders in performing their errand. At the same time it also has resulted in increase of quality and quantity of work.

Transformation of Measurements from Manual to Computer Aided Design:

Since from the time CAD services were introduced, numerous theories are discussed about the use and impact of CAD services in QS profession. The beauty of using CAD software generated designs is that instantly the Bills of Quantity (BOQ) are generated. Since then it became important for QS in determining and learning of the innovative knowledge of the technology and its advancements of their partners in the industry. The introduction of IT and CAD generated designs are reducing the complexity involved in manual measurements and are yielding more economic results in terms of Quality & Accuracy.

Transparency in preparation of BOQ:


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A Bill of Quantities (BQ or BOQ) is prepared by QS to give a broad and organized trade list, including a description and quantity, of each of the components or items involved in a construction project. i.e. It is a book containing long list of items involved in the project. In furthermore QS lives up to expectations of clients to create procurement strategies for the conveyance periods of undertakings. the QS has a full working knowledge of all types of contracting including Construction management, Alliancing, Design & construct, Lump sum, GMP and works closely with legal teams to secure the best advantage of clients.

Provision & Accessibility to Wide Range of Procurement Services:

The modern times Quantity Surveyors Role has been changing day to day in the ever expanding construction market. The provision of wide range of procurement services Available or offered play a vital part in any project. It consists of gigantic information about the general anticipated costs all together that would fulfil the necessity of the project. Thus the QS's are expanding their services i.e. services such as standard type of agreement and consultancy services, and database management services for, data, documentation, dispute resolution and other services.

Value Management:

It is a known fact that QS is perceived to keep up and monitor the project costs amid and post construction. The entire measure of project is managed by QS to keep up adaptability in cash flow and progress the development work till its completion within estimated cost. This methodology is one of the powerful methods for amplifying value of a venture. Value management procedure proves advantageous in most of the undertakings at all phases of development, however is especially powerful when induced in the early stages of project. By embracing an orderly way to deal with project audit, through a progression of workshops and controlled interaction between primary stakeholders, specialists and information providers, the advantages obtained through the value management can be huge.

Cost Management & Controlling Concepts:

To be beneficial, organizations should acquire incomes, as well as control expenses. On the off chance that expenses are too high, net revenues will be too low, making it troublesome for an organization to succeed against its rivals. To accomplish this the QS gives adaptable, creative and exceptionally proficient advice at all times throughout the development phase, and adds success through proactive, realistic and operational expenditure forecasting amid and at master planning phase of project. Then after the cost management is engaged through the outline/design development stage on completing the project within assessed budget, giving ideal worth to cash and performance.


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Conception of Innovative developmental Approaches:

As per a survey conducted by Building research innovation technology and environment, on innovation and technological aspects of a QS in construction industry, it highlights that the critical aspect of review is to recognize about Quantity surveyor's tendency in innovative data collection, innovative management and monitoring skills. Thus a Qs's innovative ideas and skills play a crucial role in the outcomes of any project.

Conclusion:

Every industry comprises of stakeholders functioning as per a scheduled structure of course of actions. A Quantity surveyor is one such stakeholder in the construction industry who cannot function or carry out tasks as per a scheduled structure. The exact role of a QS cannot be defined in a confined way because, of day to day changing requirements in the construction industry. In order to satisfy the overall changes involving in a project, the QS seeks to play a vital role by involving in multi-disciplinary roles.

Hence in short the new definition for Quantity surveyor can be formulated as an auditor, facilitator, leader, manager, Innovative and dynamic individual of the development process involved in a project, and the Quantity Surveying profession as multi- disciplinary practice, functioning to arrive at the best economic output for a project. Quantity Surveying Professionals have the potential to emerge as knowledge leaders in the construction industry by adding great values and economic outputs for the construction projects.

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Name of Program: ESTIMATION AND QUANTY

Date:12/09/ 2018

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1	145U1A0101	A ARAVIND REDDY	IV	AA
2	145U1A0102	A PAVAN REDDY	IV	Pavan
3	145U1A0103	AITHAGONI NARESH	IV	Narash
4	145U1A0104	ANANTHULA DINESH KUMAR	IV	Dinesh
5	145U1A0105	ANKAMGARI BHARATH GOUD	IV	Bharath
6	145U1A0106	AYANAVOLU SUJAN REDDY	IV	Sujan
7	145U1A0107	BALIGANTI MANI KUMAR	IV	Mani
8	145U1A0108	B ANDARI RAMESH	IV	Ramesh
9	145U1A0109	BAVOJULA NANDAN	IV	Nandan
10	145U1A0110	BHUKYA JAYA CHANDRA	IV	chandra
11	145U1A0111	BHUKYA NARESH	IV	Narash
12	145U1A0112	BHUPATHI SAI KUMAR	IV	Sai
13	145U1A0113	BODI PALLAVI	IV	Palli
14	145U1A0114	BOINAPALLY SAI BHARATHWAJ	IV	Waj
15	145U1A0115	BOINI KIRAN KUMAR	IV	Kiran
16	145U1A0116	CHINTA MAHESH KUMAR	IV	Mahesh
17	145U1A0117	CHINTA NIRANJAN REDDY	IV	Niranjan
18	145U1A0118	CHIRALA SAI LOKESH	IV	Lokesh
19	145U1A0119	CHITHALoori RAJASHEKAR	IV	Raj
20	145U1A0120	CHOWHAN DHAN RAJ	IV	Dhan
21	145U1A0121	DASARI HARSHITH REDDY	IV	Harshith
22	145U1A0122	DEPAVATH BIKSHA NAIK	IV	Beeva

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24	145UIA0125	EARAPANENI SHARAN KUMAR CHOWDRY	IV	<i>Sharan</i>
25	145UIA0126	ENDRAKANTI CHANDRASEKHAR	IV	<i>Chandru</i>
26	145UIA0127	ERUKALA NAVEEN	IV	<i>Naveen</i>
27	145UIA0128	ESLAVATH MALPAL	IV	<i>Malpal</i>
28	145UIA0129	GADDAM DHANANJANEYULU	IV	<i>Dhanu</i>
29	145UIA0130	GOWRI BHATLA VAMSEE KRISHNA	IV	<i>Vamsee</i>
30	145UIA0131	GUDDATI VAMSHIKRISHNA	IV	<i>Vamshi</i>
31	145UIA0132	GUDURU KAMALNATH REDDY	IV	<i>Kamal</i>
32	145UIA0133	GUDURU SAI SRINATH RAJU	IV	<i>Srinath</i>
33	145UIA0134	GUNDA SAIKUMAR	IV	<i>Saikumar</i>
34	145UIA0135	ISHAQ UR RAHMAN	IV	<i>Ishaq</i>
35	145UIA0136	J VIDYA SAGAR	IV	<i>Sagar</i>
36	145UIA0137	JAMALPURE VARUN KUMAR	IV	<i>Varun</i>
37	145UIA0138	JANGA DAYAKAR REDDY	IV	<i>Dayakar</i>
38	145UIA0139	JANGILI VIDYASAGAR YADAV	IV	<i>Yadav</i>
39	145UIA0140	JULMI TARUN	IV	<i>Tarun</i>
40	145UIA0141	K HARI KIRAN	IV	<i>Kiran</i>
41	145UIA0142	K PRIYANKA	IV	<i>Priyanka</i>
42	145UIA0143	K SAINIKHIL	IV	<i>Sainikhil</i>
43	145UIA0144	K VINEETH	IV	<i>Vineeth</i>
44	145UIA0145	KAMERA RAVI	IV	<i>Ravi</i>
45	145UIA0146	KATKURWAR SAI SUBHAM	IV	<i>Subham</i>
46	145UIA0147	KAZI WAHEEDUDDIN SIDDIQI	IV	<i>Siddiqi</i>
47	145UIA0148	KONDA SAIKIRAN	IV	<i>Saikiran</i>
48	145UIA0149	KONDAPARTHI AVINASH	IV	<i>Avinash</i>

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50	145U1A0152	KONTHAM ABHISHEK REDDY	IV	Abhishek
51	145U1A0153	KOSHIKA VENKATESH	IV	Venkatesh
52	145U1A0154	KOTA RAJU	IV	Raju
53	145U1A0155	KOTE BALAKRISHNA	IV	Balakrishna
54	145U1A0156	M NIVEDITHA	IV	Niveditha
55	145U1A0157	MOHD ABDUL KAREEM	IV	Abdul Kareem
56	145U1A0159	B T BINDU SAGAR	IV	Bindu Sagar
57	145U1A0161	ERROLLA SHASHIKANTH	IV	Shashikanth
58	145U1A0164	KURAPATI VENKATESH	IV	Venkatesh
59	145U1A0165	M RAVI KUMAR	IV	Ravi
60	145U1A0166	MD NASIR HUSSIAN ANSARI	IV	Nasir Hussian Ansari
61	145U1A0167	MD MAHAMOOD	IV	Mahamood
62	145U1A0168	MOHAMMED ABDUL WASEEM SHAGHIL SIDDIQUI	IV	Waseem Shaghil Siddiqui
63	145U1A0169	MOHD GHAYASUDDIN	IV	Ghayasuddin
64	145U1A0170	MOHD KASHIF UDDIN	IV	Kashif Uddin
65	145U1A0171	MOTHUKURI SANDEEP	IV	Sandeep
66	145U1A0172	MUDDHAM SHANKAR GOUD	IV	Shankar Goud
67	125U1A0115	GIRAMONI SANJEEVA	IV	Sanjeeva
68	135U1A0143	KOLA AJAY KUMAR	IV	Ajay Kumar
69	145U1A0173	MUTHYALA RAHUL	IV	Rahul
70	145U1A0174	MUTHYALA VARUN KUMAR	IV	Varun Kumar
71	145U1A0176	NAINI SAI KIRAN GOUD	IV	Sai Kiran Goud
72	145U1A0177	NAMANI SANGEETHA	IV	Sangeetha
73	145U1A0178	NEELA RADHAKRISHNA	IV	Radhakrishna
74	145U1A0179	NENAVATH VINOD KUMAR	IV	Vinod Kumar

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75	145U1A0180	NIMMAKAYALA CHANDANA	IV	Love
76	145U1A0181	PUTTA SRIDHARREDDY	IV	Sridhar
77	145U1A0182	POHIGARI RANGAIAH	IV	Rangiah
78	145U1A0183	PRASHANTH REDDY	IV	prashanth
79	145U1A0184	PULIJALA SANDEEP GOUD	IV	Sandeep
80	145U1A0187	RAMAVATH NARESH NAIK	IV	Nareesh
81	145U1A0188	RAMAVATH SANTOSH	IV	Santosh
82	145U1A0189	RATLAVATH GOPI	IV	Gopi
83	145U1A0191	DINESH SAGAR	IV	Sagar
84	145U1A0192	SALEEM KHAN	IV	Saleem
85	145U1A0193	SHAIK RASHEED	IV	Rasheed
86	145U1A0194	SILIVERU SHEKAR KUMAR	IV	Shekar
87	145U1A0195	SYED AHMED	IV	Ahmed
88	145U1A0196	SYED MOHAMMAD QUADRI	IV	Quadri
89	145U1A0197	TANDU RAVI TEJA	IV	Teja
90	145U1A0198	TATAVARTHY PAAVANA KRISHNA	IV	Paavana
91	145U1A0199	T VIJAY KUMAR	IV	Vijay
92	145U1A01A0	TIRUMANI SHIRISHA LAXMI	IV	Laxmi
93	145U1A01A2	V TARAKA SUDHEER	IV	Sudheer
94	145U1A01A3	VALLETI PURUSHOTHAM	IV	Purushotham
95	145U1A01A4	VANAM MAHENDAR	IV	Mahendar
96	145U1A01A5	VANKUDOTH JEEVAN	IV	Jeevan
97	145U1A01A6	VANKUDOTH SHIVARAM	IV	Shivaram
98	145U1A01A7	YARAMADHA SUSHMA	IV	Sushma
99	145U1A01A8	YELANTI CHANTI	IV	Chanti
100	145U1A01A9	MANKALI CHARANTEJA	IV	Teja

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101	14TFIA0101	KATARAPU RAJITHA RAMA RAO	IV	Ramalakshmi
102	14TFIA0102	MOHD IRFAN MALIK	IV	Malik
103	155U5A0101	AMBOTH DEVENDER	IV	Devender
104	155U5A0102	ARSE HINDUJA	IV	Hinduja
105	155U5A0103	BAGGALI AKHILA	IV	Akhila
106	155U5A0104	BOLISHETTI RAGINI	IV	Ragini
107	155U5A0105	CHINTHAKINDI SRIDEVI	IV	Sridevi
108	155U5A0106	DUDDU RAJESH	IV	Rajesh
109	155U5A0107	DHARAMSOTH SHAILAJA	IV	Shailaja
110	155U5A0108	DONTHARABOINA VENKATESH	IV	Venkat
111	155U5A0109	G SHILPA	IV	Shilpa
112	155U5A0111	GUNREDDY RAVALI	IV	Ravali
113	155U5A0112	GURRAM SAIKUMAR	IV	Saikumar
114	155U5A0113	J MOUNIKA	IV	Mounika
115	155U5A0114	JADI SATHISH	IV	Sathish
116	155U5A0115	KAVALIKRANTHI KUMAR	IV	Kumar
117	155U5A0118	MALLARAPU SUNIL	IV	Sunil
118	155U5A0119	NEERADI NAVYASRI	IV	Navyasri
119	155U5A0120	NEERUDU NAVEEN KUMAR	IV	Naveen
120	155U5A0121	OLLEPU RAJU	IV	Raju

Co-ordinator

HOD

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Ibrahimpatnam (M), R.R.

S.No	HALLTICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8	DAY-9	DAY-10
1	145UIA0101	A ARAVIND REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	145UIA0102	A PAVAN REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	145UIA0103	AITHAGONI NARESH	✓		✓	✓	✓	✓	✓	✓	✓	✓
4	145UIA0104	ANANTHULA DINESH KUMAR	✓	✓		✓	✓	✓	✓	✓	✓	✓
5	145UIA0105	ANKAMGARI BHARATH GOUD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	145UIA0106	AYANAVOLU SUJAN REDDY		✓	✓	✓	✓	✓	✓	✓	✓	✓
7	145UIA0107	BALIGANTI MANI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	145UIA0108	B ANDARI RAMESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	145UIA0109	BAVOJULA NANDAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	145UIA0110	BHUKYA JAYA CHANDRA	✓	✓		✓	✓	✓	✓	✓	✓	✓
11	145UIA0111	BHUKYA NARESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	145UIA0112	BHUPATHI SAI KUMAR		✓	✓	✓	✓	✓	✓	✓	✓	✓
13	145UIA0113	BODI PALLAVI	✓	✓		✓	✓	✓	✓	✓	✓	✓
14	145UIA0114	BOINAPALLY SAI BHARATHWAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	145UIA0115	BOINI KIRAN KUMAR		✓		✓	✓	✓	✓	✓	✓	✓
16	145UIA0116	CHINTA MAHESH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	145UIA0117	CHINTA NIRANJAN REDDY		✓	✓	✓	✓	✓	✓	✓	✓	✓
18	145UIA0118	CHIRALA SAI LOKESH	✓	✓		✓	✓	✓	✓	✓	✓	✓
19	145UIA0119	CHITHALOORI RAJASHEKAR		✓	✓		✓	✓	✓	✓	✓	✓
20	145UIA0120	CHOWHAN DHAN RAJ	✓		✓	✓	✓	✓	✓	✓	✓	✓
21	145UIA0121	DASARI HARSHITH REDDY		✓		✓	✓	✓	✓	✓	✓	✓
22	145UIA0122	DEPAVATH BIKSHA NAIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	145UIA0123	DHARAVATH SURESH		✓	✓	✓	✓	✓	✓	✓	✓	✓

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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM


Speaker Name MR. MUZAFFAR
 Course Name & Topic “certificate program on ESTIMATION AND QUANTITY from 12/009/2017 to 23/09/2017”
 Department CIVIL ENGINEERING
 Academic year 2017-18

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects
- PO5. Ability to function on multidisciplinary teams
- PO6. Ability to identify, formulate, and solves engineering problems
- PO7. Understanding of professional and ethical responsibility
- PO8. Ability to communicate effectively
- PO9. Understanding the impact of engineering solutions
- PO10. Ability to recognize the need and to engage in life-long learning
- PO11. Knowledge of contemporary issues
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.


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 Hoshangabad (M.P.)

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	145UIA0101	A ARAVIND REDDY	Pos, Pos, Pos,	✓					AA
2	145UIA0102	A PAVAN REDDY	Pos, Pos, Pos, Pos		✓				Pavan
3	145UIA0103	AITHAGONI NARESH	Pos, Pos, Pos,	✓					Nareesh
4	145UIA0104	ANANTHULA DINESH KUMAR	Pos, Pos, Pos, Pos	✓					Dinesh
5	145UIA0105	ANKAMGARI BHARATH GOUD	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Bharath
6	145UIA0106	AYANAVOLU SUJAN REDDY	Pos, Pos, Pos, Pos	✓					Sujana
7	145UIA0107	BALIGANTI MANI KUMAR	Pos, Pos, Pos, Pos		✓				Mani
8	145UIA0108	B ANDARI RAMESH	Pos, Pos, Pos, Pos	✓					Ramesh
9	145UIA0109	BAVOJULA NANDAN	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Nandan
10	145UIA0110	BHUKYA JAYA CHANDRA	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Chandran
11	145UIA0111	BHUKYA NARESH	Pos, Pos, Pos, Pos	✓					Nareesh
12	145UIA0112	BHUPATHI SAI KUMAR	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Sai
13	145UIA0113	BODI PALLAVI	Pos, Pos, Pos, Pos	✓					Pallavi
14	145UIA0114	BOINAPALLY SAI BHARATHWAJ	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Bharath
15	145UIA0115	BOINI KIRAN KUMAR	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Kiran
16	145UIA0116	CHINTA MAHESH KUMAR	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Mahesh
17	145UIA0117	CHINTA NIRANJAN REDDY	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Niranjan
18	145UIA0118	CHIRALA SAI LOKESH	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Lokesh
19	145UIA0119	CHITHALOORI RAJASHEKAR	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Rajasekar
20	145UIA0120	CHOWHAN DHAN RAJ	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Dhanraj
21	145UIA0121	DASARI HARSHITH REDDY	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Harshith
22	145UIA0122	DEPAVATH BIKSHA NAIK	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Biksha
23	145UIA0123	DHARAVATH SURESH	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Suresh
24	145UIA0125	EARAPANENI SHARAN KUMAR CHOWDRY	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Sharan
25	145UIA0126	ENDRAKANTI CHANDRASEKHAR	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Chandrasekar
26	145UIA0127	ERUKALA NAVEEN	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Naveen
27	145UIA0128	ESLAVATH MALPAL	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Malpal
28	145UIA0129	GADDAM DHANANJANEYULU	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Dhananjayulu
29	145UIA0130	GOWRI BHATLA VAMSEE KRISHNA	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Vamsee
30	145UIA0131	GUDETI VAMSHIKRISHNA	Pos, Pos, Pos, Pos, Pos, Pos, Pos, Pos	✓					Vamshikrishna

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Ibrahimnatham (M.P.)

63	145UIA0169	MOHD GHAYASUDDIN							General
64	145UIA0170	MOHD KASHIF UDDIN					✓		Kashif
65	145UIA0171	MOTHUKURI SANDEEP					✓		Sandeep
66	145UIA0172	MUDDHAM SHANKAR GOUD					✓		Shankar
67	145UIA0115	GIRAMONI SANJEEVA					✓		Sanjeeva
68	145UIA0143	KOLA AJAY KUMAR					✓		Ajay
69	145UIA0173	MUTHYALA RAHUL					✓		Rahul
70	145UIA0174	MUTHYALA VARUN KUMAR					✓		Varun
71	145UIA0176	NAINI SAI KIRAN GOUD					✓		Saikiran
72	145UIA0177	NAMANI SANGEETHA					✓		Sangeetha
73	145UIA0178	NEELA RADHAKRISHNA					✓		Radhakrishna
74	145UIA0179	NENAVATH VINOD KUMAR					✓		Vinod
75	145UIA0180	NIMMAKAYALA CHANDANA					✓		Chandana
76	145UIA0181	PUTTA SRIDHARREDDY					✓		Sridhar
77	145UIA0182	POHIGARI RANGAJAH					✓		Rangajah
78	145UIA0183	PRASHANTH REDDY					✓		Prashanth
79	145UIA0184	PULJALA SANDEEP GOUD					✓		Sandeep
80	145UIA0187	RAMAVATH NARESH NAIK					✓		Nareesh
81	145UIA0188	RAMAVATH SANTOSH					✓		Santosh
82	145UIA0189	RATLAVATH GOPI					✓		Gopi
83	145UIA0191	DINESH SAGAR					✓		Sagar
84	145UIA0192	SALEEM KHAN					✓		Saleem
85	145UIA0193	SHAIK RASHEED					✓		Shaik
86	145UIA0194	SILIVERU SHEKAR KUMAR					✓		Shekar
87	145UIA0195	SYED AHMED					✓		Syed
88	145UIA0196	SYED MOHAMMAD QUADRI					✓		Syed
89	145UIA0197	TANDU RAVI TEJA					✓		Tandu
90	145UIA0198	TATAVARTHY PAAVANA KRISHNA					✓		Pavana
91	145UIA0199	T VIJAY KUMAR					✓		Vijay
92	145UIA01A0	TIRUMANI SHIRISHA LAXMI					✓		Shirisha
93	145UIA01A2	V TARAKA SUDHEER					✓		Taraka
94	145UIA01A3	VALLETI PURUSHOTHAM					✓		Purushotham
95	145UIA01A4	VANAM MAHENDAR					✓		Mahendar

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96	145U1A01A5	VANKUDOTH JEEVAN	PO1, PO2, PO3,	✓			Jeevan
97	145U1A01A6	VANKUDOTH SHIVARAM	PO1, PO2, PO4,	✓			Shivaram
98	145U1A01A7	YARAMADHA SUSHMA	PO1, PO2, PO3,	✓			Sushma
99	145U1A01A8	YELANTI CHANTI	PO2, PO3,	✓			Chanti
100	145U1A01A9	MANKALI CHARANTEJA	PO1, PO2, PO3,	✓			Charanteja
101	14TF1A0101	KATARAPU RAJITHA RAMA RAO	PO1, PO2, PO3,	✓			Rama Rao
102	14TF1A0102	MOHID IRFAN MALIK	PO1, PO2, PO3,	✓			Malik
103	155U5A0101	AMBOTH DEVENDER	PO1, PO2, PO3,	✓			Devender
104	155U5A0102	ARSE HINDUJA	PO1, PO2, PO3,	✓			Hinduja
105	155U5A0103	BAGGALI AKHILA	PO1, PO2,	✓			Akhila
106	155U5A0104	BOLISHETTI RAGINI	PO3, PO7,	✓			Ragini
107	155U5A0105	CHINTHAKINDI SRIDEVI	PO1, PO2, PO3,	✓			Sridevi
108	155U5A0106	DUDDU RAJESH	PO1, PO2, PO3,	✓			Rajesh
109	155U5A0107	DHARAMSOTH SHAILAJA	PO2, PO3,	✓			Shailaja
110	155U5A0108	DONTHARABOINA VENKATESH	PO4, PO5, PO6,	✓			Venkatesh
111	155U5A0109	G SHILPA	PO1, PO2,	✓			Shilpa
112	155U5A0111	GUNREDDY RAVALI	PO1, PO2, PO3,	✓			Ravali
113	155U5A0112	GURRAM SAIKUMAR	PO1, PO2,	✓			Saikumar
114	155U5A0113	J MOUNIKA	PO1, PO2, PO3,	✓			Mounika
115	155U5A0114	JADI SATHISH	PO1, PO2, PO5,	✓			Sathish
116	155U5A0115	KAVALKRANTHI KUMAR	PO1, PO2,	✓			Kranti
117	155U5A0118	MALLARAPU SUNIL	PO1, PO2, PO3,	✓			Sunil
118	155U5A0119	NEERADI NAVYASRI	PO1, PO2, PO3,	✓			Navya
119	155U5A0120	NEERUDU NAVEEN KUMAR	PO1, PO4, PO5,	✓			Naveen
120	155U5A0121	OLLEPU RAJU	PO1, PO2, PO3,	✓			Raju

HOD



 co-ordinator


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 Jabalpur



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ENGINEERING
AN ISO 9001:2008 CERTIFIED

ENGINEERING



TWO WEEKS TRAINING PROGRAM ESTIMATION AND QUANTITY

CERTIFICATE

This is to certify that **Mr. A. H. S.**

A. Hindhija [H.No: 15505A0102]

has completed a two week certificate program on "ESTIMATION AND QUANTITY"
Organized by MS Institute of Engineering at AVN Institute of Engineering and Technology
held from 12th to 23rd Septemebr 2017.

Hyderabad
23rd 2017

Co-ordinator

Mr. Muzaffar
Technical Partner
MS Institute of Engg.

Principal
AVNIET



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Mangalpally (V), Patalguda (MP),
Ibrahimpatnam (M), R.R.



MS
Institute of
Engineering

ENGINEERING



TWO WEEKS TRAINING PROGRAM ESTIMATION AND QUANTITY

CERTIFICATE

This is to certify that **Sr. M. S.**

C. Raju [H.No: 15505A0121]

has completed a two week certificate program on "ESTIMATION AND QUANTITY"
Organized by MS Institute of Engineering at AVN Institute of Engineering and Technology
held from 12th to 23rd Septemehr 2017.

Hyderabad
23rd 2017

Co-ordinator

Mr. Muzaffar
Technical Partner
MS Institute of Engg.

D. E. Raju
Principal
AVNIET



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ENGINEERING
AN ISO 9001:2015 CERTIFIED

ENGINEERING



TWO WEEKS TRAINING PROGRAM ESTIMATION AND QUANTITY

CERTIFICATE


This is to certify that Sr. Ms. Ms.

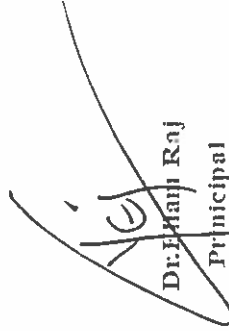
K. Rajitha Rama Rao (A.I.No: 14TF 190102)

has completed a two week certificate program on "ESTIMATION AND QUANTITY"
Organized by MS Institute of Engineering at AVN Institute of Engineering and Technology
held from 12th to 23rd Septemebr 2017.

Hyderabad
23rd 2017


Coordinator


Mr. Muzaffar
Technical Partner
MS Institute of Engg.


Dr. Hari Raj
Principal
AVN IET

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Department of civil Engineering

Date: 25.12.2017

Ref: 02/AVN/CE


Circular

All the III- B.TECH Students are hereby informed that the department is going to organize a certificate course on "RS&GIS" from in association with **skyfi labs. Hyd** from 02/01/2018 to 10/01/2018. The interested candidates are informed to register their names in the department office on before 30/12/2017.


HOD-CIVIL

To be read in,

Class room.


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NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

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AVNIET/CE/2017-18

DATE: 25.12.2017

From:

MR.PRABHAKAR,

Assistant professor,

Department of CE,

AVNIET-Ibp.

To

The Principal,

AVN Institute of Engineering and Technology.

Hyderabad-501510.


Sir,

Sub: permission for conduct certificate course on "RS&GIS"-Reg:-

We have planned to conduct certificate course on "RS&GIS"- in the academic year 2017-18 for III Year students of civil engineering department from 02/01/2018 to 10/01/2018 Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


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Ibrahimpattnam (M), R.R.



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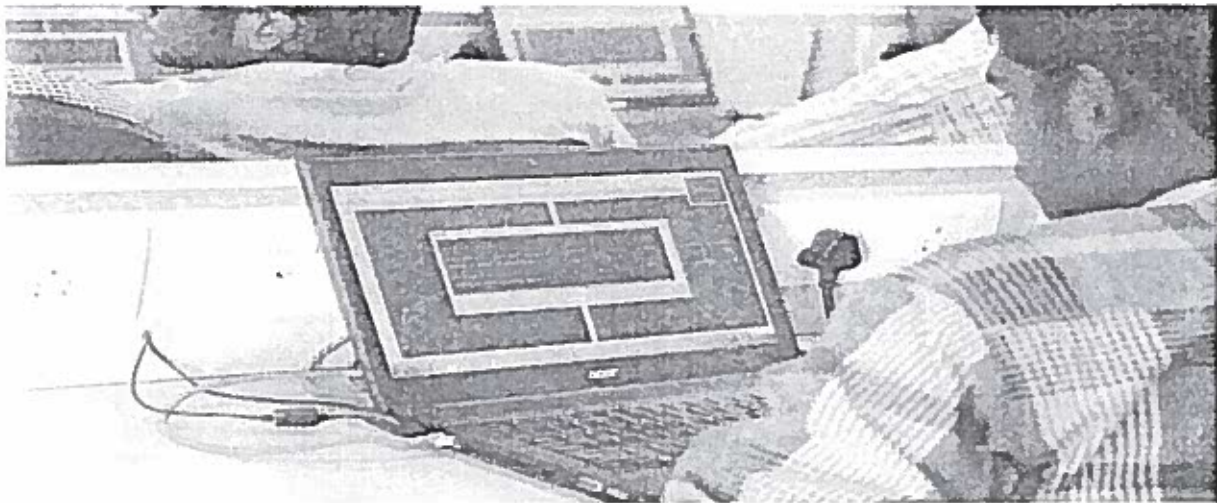
GEOSYS
ENTERPRISE SOLUTIONS PVT. LTD.

TRAINING COURSE ON GIS&RS
02/01/2018 to 10/01/2018

Why do GIS course?

Using Google Maps for your everyday navigation needs? Now you can learn the technology behind it & create your own with this course.

In this course, you will practically learn about the data collection, data processing and data manipulation concepts of GIS using Q-GIS software.



What you'll learn in this course

You will start learning by creating a simple map and then create a complex park map with the help of total station data. And finally, perform the data processing operation to transform local data into global data. By doing this course you will learn about:

1. Data processing & manipulation
2. Shortest distance finder
3. Affine transformation
4. Geo processing & contour creation
5. Processing real-time GPS data

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Ibrahimpatnam (M), R.R.



SCHEDULE:

Day-1: Introduction to GIS

- **Learn:** Introduction to GIS
- **Do:** Software installation - QGIS: Do
- **Do:** Exploring QGIS software

Day-2: What is GIS?

- **Learn:** What is GIS
- **Learn:** Applications of GIS
- **Learn:** GIS process
- **Review:** Introduction to GIS

Day-3: GIS Project: Created Data

- **Learn:** Coordinate reference systems
- **Learn:** GIS data
- **Do:** Creating a simple map - part 1
- **Do:** Creating a simple map - part 2
- **Do:** Creating a simple map - part 3
- **Review:** Coordinate reference systems

Day-4: GIS Project: Total Station Data

- **Do:** Create a park map - Part 1
- **Do:** Create a park map - Part 2
- **Do:** Create a park map - Part 3



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Day- 5: GIS Project: Affine Transformation

- **Learn:** Affine transformation
- **Do:** Working with project data - part 1
- **Do:** Working with project data - part 2
- **Do:** Working with project data - part 3
- **Do:** Working with project data - part 4
- **Do:** gvSIG software installation
- **Do:** Computing affine transformation values
- **Review:** Affine transformation

Day-6: GIS Project: Data Manipulation


- **Do:** Data manipulation - Alaska raw data - part 1
- **Do:** Data manipulation - Alaska raw data - part 2
- **Do:** Working with attribute data: Do

Day-7: GIS Project: Addons

- **Do:** Different data collection methods
- **Do:** Contour mapping
- **Do:** Finding the shortest path using GIS
- **Do:** Finding an optimal location using GIS - Part 1
- **Do:** Finding an optimal location using GIS - Part 2
- **Review:** Different data collection methods

Day-8: GIS Project: GPS Data

- **Learn:** Introduction to GPS
- **Do:** Collect GPS data using an App
- **Do:** Working with GPS data


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Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



Accredited with 'B++' Grade by NAAC

List of participants:

Name of Program: RS&GIS

S.No	HALLTICKET NUMBER	STUDENT NAME	Year	Signature
1	115U1A0111	GELENA KARTHIK REDDY	III	<i>KRP</i>
2	115U1A0118	KANCHARLA RAJENDHAR REDDY	III	<i>Rajendhar Reddy</i>
3	155U1A0101	ALLEY JAYASURYA	III	<i>Jayasurya</i>
4	155U1A0103	BATHULA SHARATH REDDY	III	<i>Sharath</i>
5	155U1A0104	CHEJARLA GANESH	III	<i>Ganesh</i>
6	155U1A0105	DANDUGULA SATHEESH	III	<i>Su</i>
7	155U1A0107	GADDAM AKSHAY	III	<i>Akshay</i>
8	155U1A0109	K KARTHIK	III	<i>Karthik</i>
9	155U1A0110	KADARI PUSHPALATHA	III	<i>Daripalatha</i>
10	155U1A0111	KALLEM HARDIK REDDY	III	<i>Hardik</i>
11	155U1A0115	KONNE SAI KRISHNA	III	<i>K</i>
12	155U1A0116	KOTTAM SRIKANTH	III	<i>Somath</i>
13	155U1A0117	MOHD ISMAIL	III	<i>Ismail</i>
14	155U1A0118	MOTHKURI SAIRAM	III	<i>Sairam</i>
15	155U1A0119	MUDASTHU RAKESH	III	<i>Rakesh</i>
16	155U1A0122	NOUSE PRASHANTH KUMAR	III	<i>Prashanth</i>
17	155U1A0123	P CHANDRASHEKAR	III	<i>Rue</i>
18	155U1A0124	PARVATHAM KRANTHI KUMAR	III	<i>Kranthi</i>
19	155U1A0126	SADHU ANVESH	III	<i>Anvesh</i>
20	155U1A0129	U ABHINAY REDDY	III	<i>Abhinav</i>
21	165U5A0101	A VIJAY KRISHNA NAIK	III	<i>Vijay</i>
22	165U5A0102	ADUPULA KALPANA	III	<i>Kalpana</i>

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23	165U5A0103	B SRAVANTHI	III	Sravanthi
24	165U5A0104	BANDA ABHINAV	III	Banda Abinav
25	165U5A0105	BATHULA SAIKIRAN	III	Saikiran
26	165U5A0106	CHAKALI KRISHNA	III	Krishna
27	165U5A0108	D PRASHANTH KUMAR	III	Prashanth Kumar
28	165U5A0109	D VISHWANATHAM YADAV	III	Vishwanatham
29	165U5A0111	ERRA HARISH	III	Harish
30	165U5A0112	GANDYADAPU SWAMY	III	Swamy
31	165U5A0113	JADI SAGAR	III	Sagar
32	165U5A0114	KANDAKURTHI VAMSHI	III	Vamshi
33	165U5A0115	KHETHAVATH PREMALATHA	III	Premalatha
34	165U5A0116	KOTHOORI PRASHANTHI	III	Prashanthi
35	165U5A0117	MALOTH EERULAL	III	Eerulal
36	165U5A0118	MANGALI ANILKUMAR	III	Anil Kumar
37	165U5A0119	MD ARIF	III	Arif
38	165U5A0120	MOHAMMAD ASIF ALI	III	Asif
39	165U5A0121	MULA RAJESH	III	Rajesh
40	165U5A0122	MULINTI RAVIKUMAR	III	Ravi Kumar
41	165U5A0123	MYADARAM HARISH	III	Harish
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45	165U5A0127	POGAAKU PRABHUDEV	III	Prabhu Dev
46	165U5A0128	PUNNALA LAVANYA	III	Lavanya
47	165U5A0129	PUNNA VIVEK VARDHAN	III	Vivek Vardhan
48	165U5A0130	R NARESH NAIK	III	Naresh Naik

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49	165U5A0131	SANJIV	III	Sanjiv
50	165U5A0132	RAGI SOUMYA PRIYA	III	Soumya
51	165U5A0134	T HARSHITHA CHOUHAN	III	chouhan
52	165U5A0135	URADI DURGA PRASAD	III	Prasad
53	165U5A0136	VARKALA PAVAN SAIGOUD	III	Pavan Saigoud.
54	165U5A0137	DEMULA VANI	III	Vani
55	165U5A0138	VULAVAPUDI VENKATESHWARLU	III	Venkatashwarlu


Co-ordinator


HOD


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Report on

Certificate program on RS&GIS

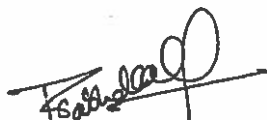
The department of civil has organized a certificate program on "RS&GIS" in association with Skyfi Labs. Hyd. This program was started with an inauguration ceremony by Principal DRELLAM RAJ and Mr. Harishankar reddy yeruva Technical partner, "GEOSYS Engineering solutions PVT LTD. HYD. On 02/01/2018 at civil GIS LAB".



The session was continued by Mr. Harishankar reddy yeruva who began with an Introduction to RS&GIS and QGIS Software, the session was so interesting to know about new things about Trends and Developments in QGIS Software.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. Around 55 students of III Year Students of civil department have attended for the session.

Outcomes of the Program:

Today's students embrace technology outside the classroom, and, when used effectively, technology is an excellent tool to engage students inside the classroom as well. Geosys presents strategies for integrating IT to support instruction, discussion, and extended learning on any topic. Many practical activities enhance the student learning and critical thinking skills


Co-ordinator



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Ibrahimpatnam (M), R.R.

Program Name: Certificate program on RS&GIS

Dates: 02/01/2018 to 10/01/2018

S.No	HALLTICKET NUMBER	STUDENT NAME	DAY-1	DAY-2	DAY-3	DAY-4	DAY-5	DAY-6	DAY-7	DAY-8
1	155U1A0111	GELENN KARTHIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓
2	155U1A0118	KANCHARLA RAJENDHAR REDDY	✓		✓	✓	✓	✓	✓	✓
3	155U1A0101	ALLEY JAYASURYA	✓	✓	✓	✓	✓	✓	✓	✓
4	155U1A0103	BATHULA SHARATH REDDY	✓	✓	✓	✓	✓	✓	✓	✓
5	155U1A0104	CHEJARLA GANESH	✓	✓	✓	✓	✓	✓	✓	✓
6	155U1A0105	DANDUGULA SATHEESH	✓	✓	✓	✓	✓	✓	✓	✓
7	155U1A0107	GADDAM AKSHAY	✓	✓	✓	✓	✓	✓	✓	✓
8	155U1A0109	K KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓
9	155U1A0110	KADARI PUSHPALATHA	✓	✓	✓	✓	✓	✓	✓	✓
10	155U1A0111	KALLEM HARDIK REDDY	✓	✓	✓	✓	✓	✓	✓	✓
11	155U1A0115	KONNE SAI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
12	155U1A0116	KOTTAM SRIKANTH	✓	✓	✓	✓	✓	✓	✓	✓
13	155U1A0117	MOHD ISMAIL	✓	✓	✓	✓	✓	✓	✓	✓
14	155U1A0118	MOTHKURI SAIRAM	✓	✓	✓	✓	✓	✓	✓	✓
15	155U1A0119	MUDASTHU RAKESH	✓	✓	✓	✓	✓	✓	✓	✓
16	155U1A0122	NOUSE PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
17	155U1A0123	P CHANDRASHEKAR	✓	✓	✓	✓	✓	✓	✓	✓
18	155U1A0124	PARVATHAM KRANTHI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
19	155U1A0126	SADHU ANVESH	✓	✓	✓	✓	✓	✓	✓	✓
20	155U1A0129	U ABHINAY REDDY	✓	✓	✓	✓	✓	✓	✓	✓
21	165U5A0101	A VIJAY KRISHNA NAIK	✓	✓	✓	✓	✓	✓	✓	✓
22	165U5A0102	ADUPULA KALPANA	✓	✓	✓	✓	✓	✓	✓	✓
23	165U5A0103	B SRAVANTHI	✓	✓	✓	✓	✓	✓	✓	✓
24	165U5A0104	BANDA ABHINAV	✓	✓	✓	✓	✓	✓	✓	✓
25	165U5A0105	BATHULA SAIKIRAN	✓	✓	✓	✓	✓	✓	✓	✓
26	165U5A0106	CHAKALI KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
27	165U5A0108	D PRASHANTH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓
28	165U5A0109	D VISHWANATHAM YADAV	✓	✓	✓	✓	✓	✓	✓	✓

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Department of Civil Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name Mr.Harishankar reddy yeruva
 Course Name &Topic "Certificate Program on RS&GIS"
 Department CIVIL ENGINEERING
 Academic year 2018-19 (2/01/2018 to 10/01/2018)

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the program the students will have

PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering

PO2. Ability to design and conduct experiments, as well as to analyze and interpret data

PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects

PO5 Ability to function on multidisciplinary teams

PO6. Ability to identify, formulate, and solves engineering problems

PO7. Understanding of professional and ethical responsibility

PO8. Ability to communicate effectively

PO9. Understanding the impact of engineering solutions

PO10. Ability to recognize the need and to engage in life-long learning

PO11. Knowledge of contemporary issues

PO12. Ability to manage the projects and enhance research through engineering and management ~~fundamentalism~~ (M). R.R.

Department of Civil Engineering

V. Mangalpally (V), Patelguda (MP),
 Mangalpally (M). R.R.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	15U1A011	GELENA KARTHIK REDDY	PO1, PO2, PO3, PO4		✓				Kaaf
2	15U1A018	KANCHARLA RAJENDHAR REDDY	PO1, PO2, PO3, PO4	✓					Rajendhar
3	15U1A0101	ALLEY JAYASURYA	PO1, PO2, PO3, PO4		✓				Jayashree
4	15U1A0103	BATHULA SHARATH REDDY	PO1, PO2, PO3, PO4		✓	✓			Sharath
5	15U1A0104	CHEJARLA GANESH	PO1, PO2, PO3, PO4		✓				Ganesh
6	15U1A0105	DANDUGULA SATHEESH	PO1, PO2, PO3, PO4	✓					Satheesh
7	15U1A0107	GADDAM AKSHAY	PO1, PO2, PO3, PO4		✓				Akshay
8	15U1A0109	K KARTHIK	PO1, PO2, PO3, PO4		✓				Karthik
9	15U1A0110	KADARI PUSHPALATHA	PO1, PO2, PO3, PO4		✓				Puspha
10	15U1A0111	KALLEM HARDIK REDDY	PO1, PO2, PO3, PO4	✓					Hardik
11	15U1A0115	KONNE SAI KRISHNA	PO1, PO2, PO3, PO4		✓				Sai Krishna
12	15U1A0116	KOTTAM SRIKANTH	PO1, PO2, PO3, PO4		✓				Srikanth
13	15U1A0117	MOHD ISMAIL	PO1, PO2, PO3, PO4		✓				Ismail
14	15U1A0118	MOTHKURI SAIRAM	PO1, PO2, PO3, PO4		✓				Sairam
15	15U1A0119	MUDASTHU RAKESH	PO1, PO2, PO3, PO4	✓					Rakesh
16	15U1A0122	NOUSE PRASHANTH KUMAR	PO1, PO2, PO3, PO4	✓					Prashanth
17	15U1A0123	P CHANDRASHEKAR	PO1, PO2, PO3, PO4	✓					Chandrashekar
18	15U1A0124	PARVATHAM KRANTHI KUMAR	PO1, PO2, PO3, PO4		✓				Kranti
19	15U1A0126	SADHU ANVESH	PO1, PO2, PO3, PO4		✓				Anvesh
20	15U1A0129	U ABHINAY REDDY	PO1, PO2, PO3, PO4	✓					Abhinav
21	16U5A0101	A VIJAY KRISHNA NAIK	PO1, PO2, PO3, PO4		✓				Vijay
22	16U5A0102	ADUPULA KALPANA	PO1, PO2, PO3, PO4	✓					Kalpna
23	16U5A0103	B SRAVANTHI	PO1, PO2, PO3, PO4	✓					Sravanthi
24	16U5A0104	BANDA ABHINAV	PO1, PO2, PO3, PO4		✓				Abhinav
25	16U5A0105	BATHULA SAIKIRAN	PO1, PO2, PO3, PO4	✓					Saikiran
26	16U5A0106	CHAKALI KRISHNA	PO1, PO2, PO3, PO4	✓					Krishna
27	16U5A0108	D PRASHANTH KUMAR	PO1, PO2, PO3, PO4	✓					Prashanth
28	16U5A0109	D VISHWANATHAM YADAV	PO1, PO2, PO3, PO4	✓					Vishwanath
29	16U5A0111	ERRA HARISH	PO1, PO2, PO3, PO4	✓					Harish

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Ibrahimpatnam (M), R.R.

30	165U5A0112	GANDYADAPU SWAMY	Po1, Po2, Po3, Po4	✓			Sausage
31	165U5A0113	JADI SAGAR	Po1, Po2, Po3, Po4	✓			sagari
32	165U5A0114	KANDAKURTHI VAMSHI	Po1, Po2, Po3, Po4	✓			vamm
33	165U5A0115	KHETHAVATH PREMALATHA	Po1, Po2, Po3, Po4	✓			permalatha
34	165U5A0116	KOTHOORI PRASHANTHI	Po1, Po2, Po3, Po4	✓			Prashanthi
35	165U5A0117	MALOTH EERULAL	Po1, Po2, Po3, Po4	✓			gullal
36	165U5A0118	MANGALI ANILKUMAR	Po1, Po2, Po3, Po4	✓			Anilkumar
37	165U5A0119	MID ARIF	Po1, Po2, Po3, Po4	✓			mid-arif
38	165U5A0120	MOHAMMAD ASIF ALI	Po1, Po2, Po3, Po4	✓			Asif ali
39	165U5A0121	MULA RAJESH	Po1, Po2, Po3, Po4	✓			Rajesh
40	165U5A0122	MULINTI RAVIKUMAR	Po1, Po2, Po3, Po4	✓			Ravikumar
41	165U5A0123	MYADARAM HARISH	Po1, Po2, Po3, Po4	✓			Harish
42	165U5A0124	P BHANU PRAKASH	Po1, Po2, Po3, Po4	✓			Prakash
43	165U5A0125	PEDDABUBI RANJEETH KUMAR	Po1, Po2, Po3, Po4	✓			Ranjeeth
44	165U5A0126	PEESHA ANIL KUMAR RAO	Po1, Po2, Po3, Po4	✓			Ranjeeth
45	165U5A0127	POGAAKU PRABHUDEV	Po1, Po2, Po3, Po4	✓			Prabhu
46	165U5A0128	PUNNALA LAVANYA	Po1, Po2, Po3, Po4	✓			Lavanya
47	165U5A0129	PUNNA VIVEK VARDHAN	Po1, Po2, Po3, Po4	✓			Vardhan
48	165U5A0131	SANJIV	Po1, Po2, Po3, Po4	✓			Sanjiv
49	165U5A0132	RAGI SOUMYA PRIYA	Po1, Po2, Po3, Po4	✓			Soumya
50	165U5A0134	T HARSHITHA CHOUHAN	Po1, Po2, Po3, Po4	✓			Harshitha
51	165U5A0136	VARKALA PAVAN SAIGOUND	Po1, Po2, Po3, Po4	✓			Saigound
52	165U5A0137	VEMULA VANI	Po1, Po2, Po3, Po4	✓			Vemula

co-ordinator

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 Ibrahimpattanam (M), R.R.

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VERIFIED
CERTIFICATE



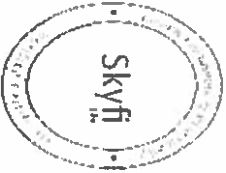
10 January 2018.

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8 DAYS TRAINING PROGRAM ON RS AND GIS

Certificate of completion

This is to certify that **Mr./Ms.**

Sadhu Anand [H-7No; 15501Bo1267]

has completed a two week certificate program on "RS AND GIS" Organized by skyfi labs. Hyd. at AVN Institute of Engineering and Technology, held from 02nd January to 10th January 2018.

mdh
Dr.Md.Sudhan
HOD
Civil Dept.

SH
Mr.X.Harishankar reddy,
Technical Partner
Skyfi labs.Hyd.

VEJ
Dr.Vijayaraj
Principal
AVNIET

PRINCIPAL

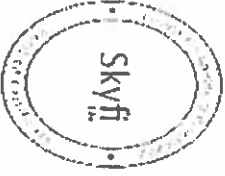
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Madhupatnam (M), R.R.

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Partnership



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Adarsh Nagar,Hyd.

8 DAYS TRAINING PROGRAM ON RS AND GIS

Certificate of completion

This is to certify that Sri./Mr./Ms.

Vemula Vanji [H.T No: 16505A0137]

has completed a two week certificate program on "RS AND GIS" Organized by skyfi labs. Hyd. at AVN Institute of Engineering and Technology, held from 02nd January to 10th January 2018.

MDA
Dr.Md.Subhan
HOD
Civil Dept.

[Signature]
Mr.Y.Harishankar reddy,
Technical Partner
Skyfi labs.Hyd.

[Signature]
Dr.X.Bhanu Raj
Principal
AVNIET
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AVN Institute of Engineering & Technology

Mangalpally (V), Patalguda (M.P),
Ibrahimpatnam (M), R.R

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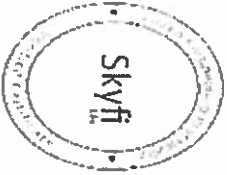


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has completed a two week certificate program on "RS AND GIS" Organized by skyfi labs. Hyd. at AVN Institute of Engineering and Technology. held from 02nd January to 10th January 2018.


Dr. M. S. Subhan
HOD
Civil Dept.


Mr. Y. Harishankar reddy.
Technical Partner
Skyfi labs. Hyd.


Dr. P. Chaur Raj
Principal
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AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Ibrahimpatnam (M), R.R.





DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 23-10-2018

All the IV B.TECH Students are hereby informed that the department is going to organize a certificate program on "EMBEDDED SYSTEM AND ROBOTICS" from 30-10-2018 in Collaboration with MEPAC³ ENGG SOLUTIONS PVT LTD. The interested candidates are informed to register their names in the department office on or before 23-10-2018. The fee particulars and schedule details of the program are enclosed.


Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Ibrahimpatnam (M) R.R. Dist-301


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



TO

Date: 11-10-2018

The Principal,

AVNIET,


Hyderabad,

Sub: Requesting to conduct certificate program.

Respected sir,

Department of ECE seeking permission to organize a certificate program on "EMBEDDED SYSTEM AND ROBOTICS" in Collaboration with MEPAC³ ENGG SOLUTIONS PVT LTD from 30/10/2018. The program will be of 40hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you


Head of the HOD
Department of
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Patelguda (M), R.R. Dist, 501510, T.S

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattam (M), R.R.

**Schedule: EMBEDDED SYSTEM AND ROBOTICS****Topics to be covered**

S.NO	CONTENTS	No. of Days
1	Introduction to Embedded Systems	2 Days
2	Introduction to Arduino ➤ Drivers & Software Installation ➤ Getting used to Arduino IDE	2Days
3	Anatomy of Arduino ➤ Detailed Pin Mapping and Auxiliaries ➤ Bootloaders and Bootloading process	2 Days
4	How to Program in Arduino ?	2Days
5	LED Interfacing with Arduino – Theory ➤ Practical: Blinking LEDs in a given pattern	2 Days
6	Basic Electronic Concepts of Embedded Designing	3 Days
7	Pulse Width Modulation – Theory ➤ Practical: Controlling brightness of a LED.	2 Days
8	Seven Segment Displays - Theory ➤ Practical: Displaying Digits on Seven Segment Display	3 Days
9	LCD Interfacing with Arduino - Theory ➤ Practical: Displaying Text on LCD ➤ Practical: Scrolling Text on LCD	3 Days
10	Digital Input Processing - Theory ➤ Practical: Detecting Switch Inputs on Arduino Pins ➤ Practical: Controlling LEDs with Single Key Button	3 Days
11	Interfacing a Buzzer with Arduino - Theory	2 Days

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Ibrahimpatnam (M), R.R.



	➤ Practical: Generating Tones using Buzzer	
12	Interfacing Ultrasonic Sensors - Theory ➤ Practical: Distance/Speed approximation using Ultrasonic Sensor	2Days
13	Serial Communication in Arduino - Theory ➤ Practical: Controlling LEDs from the PC. ➤ Practical: Printing text on the LCD from PC	3Days
14	Introduction to ADC and Serial Monitoring - Theory ➤ Practical: Interfacing a simple Potentiometer.	2Days
15	Interfacing IR Sensors(Analog) - Theory ➤ Practical: Designing and fabricating an IR sensor. ➤ Practical: Detecting obstacles and surface colour difference using above.	3Days
16	Interfacing LDR Sensors(Analog) - Theory ➤ Practical: Designing and fabricating an LDR sensor. ➤ Practical: Detecting Colour and Light Intensity with LDR Sensors.	3Days
17	Interfacing Temperature Sensor - Theory ➤ Practical: Calibrating Sensor value with Temperature Range.	2Days
18	Introduction to Autonomous Robotics	2Days
19	Motor Driver & Its Need - Theory ➤ Practical: Interfacing a DC Motor with Arduino	2Days
20	Line Follower Robot : Theory ➤ Practical: Making a Line Follower Robot	2Days

PRINCIPALAVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Bhrahimpatnam (M), R.R.



Report On Program Organized By Department Of ECE, AVNIET:

The department of ECE has organized a certificate program on "EMBEDDED AND ROBOTICS SYSTEM" in association with MEPAC¹ ENGG SOLUTIONS PVT LTD. The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by MR.Obedulla Bin Abdulla

Learned how to use an Arduino and its various input/output accessories through practical exercise sessions. Also learn how to use the knowledge gained in the class to build a line follower robot out of it. At the end of the training, you would be capable enough to use other input/output accessories (not used in the training) as well to build further projects on your own

Time to time Practical Assignments was provided to the students, which will help them in doing practice at home. Revision Time & Query Sessions were provided to the students which help them in clearing their all previous doubts. Exam also conducted at the end of basic. Around 35 students of IV B.Tech ECE have attended the session.

P. V. Chakraborty
Head of the Department of
Electronics & Communication
& Institute of Engineering & Technology
Patelguda (M), R.R. Dist 501510

[Handwritten signature]

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, BHARAHIMPATNAM (M), R.R.Dist, 501510, T.S

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NAAC

NATIONAL ASSOCIATION OF AMBA ACCREDITED

Accredited on 08/11/2018 by NAAC

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGISTERED STUDENTS LIST

A.Y: 2018-19

Name of Program: Embedded Systems & Robotics Design

Year & Sem: IV-B.Tech I-Sem

S.No.	Roll Number	Name of Student	Signature
1	155U1A0404	H SRIKANTH	<i>[Signature]</i>
2	155U1A0406	HEERELI HARSHITHA	<i>[Signature]</i>
3	155U1A0408	THKUMALLA KAVYA	<i>[Signature]</i>
4	155U1A0409	BIRADAR SUNANDA G	<i>[Signature]</i>
5	155U1A0410	HOKKA PAVAN REDDY	<i>[Signature]</i>
6	155U1A0411	SAI VENKATA SRIVATHSA	<i>[Signature]</i>
7	155U1A0412	BONDADA SAI JAYA SURYA	<i>[Signature]</i>
8	155U1A0413	BONTHU ADITYA DEVI	<i>[Signature]</i>
9	155U1A0415	BURUGU DIVYA	<i>[Signature]</i>
10	155U1A0416	CHINTHAREDDY SUPRIYA	<i>[Signature]</i>
11	155U1A0417	CHALAMALLA PRANAY KUMAR	<i>[Signature]</i>
12	155U1A0419	CHIEPURI RAMYA	<i>[Signature]</i>
13	155U1A0421	CHETIPALLY MOUNIKA	<i>[Signature]</i>
14	155U1A0423	CHINAMAR BHARGAVI	<i>[Signature]</i>
15	155U1A0424	CHINTAKRINDI SRINIARI	<i>[Signature]</i>
16	155U1A0427	DESIAM MOUNIKA REDDY	<i>[Signature]</i>
17	155U1A0428	DIVANJI VAISHNAVI	<i>[Signature]</i>
18	155U1A0430	E MADHU	<i>[Signature]</i>
19	155U1A0436	MADHURI THIRUMALASETTY	<i>[Signature]</i>
20	155U1A0437	GUDALA SHIVANI	<i>[Signature]</i>
21	155U1A0438	GUNREDDY MAMATHA	<i>[Signature]</i>
22	155U1A0440	JAKKIDI SAI PRANAY REDDY	<i>[Signature]</i>
23	155U1A0442	JONNALA PRAVALLIKA	<i>[Signature]</i>
24	155U1A0443	KAVADI BHARGAV REDDY	<i>[Signature]</i>
25	155U1A0447	KONTHAM RAVALIKA	<i>[Signature]</i>
26	155U1A0465	NETHI HARISH	<i>[Signature]</i>
27	155U1A0466	NUTHULA VIJAYA DURGA	<i>[Signature]</i>
28	155U1A0479	RAO SPANDANA RAO	<i>[Signature]</i>

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalagiri (V), Patalguda (MP),
Bharahimpattanam (M), R.R.

HOD

Head of Department
Department of Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Mangalagiri (V) Patalguda (MP) R.R. Dist 501510, T.S.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ATTENDANCE SHEET

A.Y: 2018-19

of Program: Embedded Systems & Robotics Design

Year & Sem: IV-B.Tech I-Sem

Roll Number	Name of Student	Date		30/10/18		31/10		1/11		2/11		3/11		5/11		6/11		7/11		7/11	
		A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N
155U1A0404	B SRIKANTH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0406	BEERELLI HARSHITHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0408	BIKUMALLA KAVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0409	BIRADAR SUNANDA G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0410	BOKKA PAVAN REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0411	SRIVATHSA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0412	BONDADA SAI JAYA SURYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0413	BONTHU ADITYA DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0415	BURUGU DIVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0416	CHINTHAREDDY SUPRIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0417	CHALAMALLA PRANAY KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0419	CHEPURI RAMYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0421	CHETIPALLY MOUNIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0423	CHINAMAR BHARGAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0424	CHINTAKRINDI SRIHARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0427	DESHAM MOUNIKA REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0428	DIVANJI VAISHNAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0430	E MADHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0436	MADIHURI THIRUMALASETTY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0437	GUDDALA SHIVANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0438	GUNREDDY MAMATHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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155U1A0442	JONNALA PRAVALLIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0443	KAVADI BIHARGAV REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0447	KONTHAM RAVALIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0465	NETHI HARISH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0466	NUTHULA VIJAYA DURGA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
155U1A0479	RAO SPANDANA RAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

PRINCIPAL

(Signature)
 Principal

AVN Institute of Engineering & Technology
 Mangalpally (V), Patelguda (MP),
 Ibrahimpatnam (M), R.R.



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EESKAY
 Mechanical & Electrical Engineering
 Systems and Design Services

COURSE COMPLETION CERTIFICATE

This is to Certify that
MS. BIRADAR SUNANDA G (155UJA0409)
 from IV B.Tech ECE
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 Has Successfully completed the Certificate Program on
" EMBEDDED SYSTEM & ROBOTIC DESIGN"
 from
MEPAC³ ENGINEERING SOLUTIONS PVT. LTD, HYDERABAD
 during
30TH OCTOBER 2018 to 07TH OCTOBER 2018.

For MEPAC³ Engineering Solutions Pvt. Ltd

Obedulla Bin Abdulla
 Name: Obedulla Bin Abdulla
 Designation: Managing Director



[Signature]
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AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
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HVAC | Lift, Escalator & Car Parking Solutions Fire Alarm & Fire Protection Systems

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Registered office

H No. 12-2-389/A/135, Mahaveer Nagar Colony, Gudimalkapur, Asil Nagar, Hyderabad, Telangana, India, 500028.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Embedded System & Robotic Design Date: 7/11/2018

Class: IV. BTech I Sem Branch: ECE Section: B

S.No	1	2	3	4	5
Program Content					
Subject Knowledge					
Communication & Presentation Skills					
Hands-on sessions					
Clarification of Doubts					
Interaction & Encouragement					
1	4	4	4	5	4

Suggestions if any: NO

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Embedded System & Robotic Design Date: 7/11/2018

Class: IV. B.tech Branch: ECE Section: F

S.No	1	2	3	4	5
Program Content					
Subject Knowledge					
Communication & Presentation Skills					
Hands-on sessions					
Clarification of Doubts					
Interaction & Encouragement					
1	4	3	5	4	3

Suggestions if any: Need Research based class


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 Ibrahimpatnam (M), R.R.



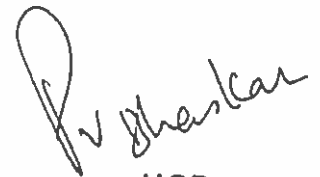
AVN Institute of Engineering & Technology
Koheda Road, M.P.Patelguda Post, Ibrahimpatnam (M), Ranga Reddy Dist - 501 510, T.S. India.
Ph:08415-201345, 92461 72317,avn.principal@gmail.com www.avniet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 24-07-2017

All the IV B.TECH Students are hereby informed that the department is going to organize a certificate program on "EMBEDDED SYSTEMS USING RASPBERRY PI" from 7-08-2017 in association with MEPAC³ ENGG SOLUTIONS PVT LTD. The interested candidates are informed to register their names in the department office on or before 31-07-2017. The fee particulars and schedule details of the program are enclosed



HOD

Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Ibrahimpatnam (M), R.R.



PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



Schedule: Embedded Systems Using Raspberry Pi

Topics to be covered

S.NO	CONTENTS	NO.OF DAYS
1	Introduction to Raspberry Pi ➤ Different Models of Raspberry Pi ➤ Why Raspberry Pi. ➤ Peripherals of Raspberry Pi.	4 Days
2	Preparing Your Raspberry Pi for First Use ➤ Different Operating Systems for Raspberry pi. ➤ Getting Started With NOOB ➤ Booting for the First time.	3Days
3	Setting Up for a Perfect Pi Experience ➤ Operation Procedures. ➤ Do's and Don'ts. ➤ Updating Pi to Latest software's. ➤ Setting various Options and Personalizing. ➤ First introduction to the LINUX terminal. ➤ Connecting to the Network and Troubleshooting.	5 Days
4	Getting Familiar with the GPIO Pins of your Pi ➤ Pin numbering Formats. ➤ The Voltage hazard Information. ➤ The LED Interfacing. ➤ General information on other pins and their functionality. ➤ The First Button Interface with Raspberry Pi.	4 Days
5	Setting Up Pi to be Accessed Remotely. ➤ Remote Computing Basics. ➤ Connecting Raspberry Pi to a Remote Access Client. ➤ Using Raspberry Pi Remotely.	3 Days
6	Embedded Systems ➤ Revisiting Embedded Systems	2 Days

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



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Ph: 08435-201345, 92461 72317.avn.principal@gmail.com www.avniet.ac.in

TO

Date: 06-07-2017

The Principal
AVNIET
Hyderabad.

Sub: Requesting to conduct certificate program-reg..

Sir,

The Department of ECE seeking permission to organize a Certificate Program on "EMBEDDED SYSTEMS USING RASPBERRY PI" in association with MEPAC³ ENGG SOLUTIONS PVT LTD from 7/08/2017. The program will be of 40hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you.

Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Ibrahimpatnam (M) R.R. Dist-501510

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP);
Ibrahimpatnam (M), R.R. Dist-501510



AVN Institute of Engineering & Technology

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Ph: 06415-201345, 92461 72317, avn.principal@gmail.com www.avniet.ac.in

	<ul style="list-style-type: none">➤ Comparison Between Microcontroller and RaspberryPi	
7	<p>RASPBERRY-PI in Real World</p> <ul style="list-style-type: none">➤ RaspberryPi Board Connections.➤ Practical of Raspberry Pi.➤ RaspberryPi gpio and headers.	4 Days
8	<p>-Features & Applications of RASPBERRY-PI</p> <ul style="list-style-type: none">➤ RaspberryPi commands➤ Application of RaspberryPi.	3 Days
9	<p>Raspberry Pi practicals.</p> <ul style="list-style-type: none">➤ LED ON/OFF Program in python➤ Traffic Signal Program in python➤ Seven Segment display program in python for Raspberry pi➤ LCD Display program in python for Raspberry pi➤ Servo Motor Control With Raspberry Pi	4 Days

PRINCIPAL

AVN Institute of Engineering & Technology

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Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

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Ph:08415-201345, 92461 72317, avn.principal@gmail.com www.avniet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGISTERED STUDENTS LIST

A.Y: 2017-18

Name of Program: Embedded Systems Using Raspberry Pi Year & Sem:IV-B.Tech I-Sem

S.No.	Roll Number	Name of Student	Signature
1	145U1A0404	AMURUTHA DIVYA	Amurutha Divya
2	145U1A0407	A SAIKRISHNA	Sai Krishna
3	145U1A0412	B SHIVA KUMAR	Shiva Kumar
4	145U1A0413	B VENKATA SAI ROHITH	Rohith
5	145U1A0415	CH DIVYA REDDY	Divya
6	145U1A0418	CH VIJAY KUMAR	Vijay Kumar
7	145U1A0419	CH VENKANNA	Venkanna
8	145U1A0421	C NISHITHA GUPTA	Nishitha Gupta
9	145U1A0422	CH KESAVA	Kesava
10	145U1A0425	D SAIJYOTHI	Jyothi D.
11	145U1A0426	D GOPI CHAND	Gopichand
12	145U1A0428	G SUSHMA	Sushma
13	145U1A0433	K VARSHINI	Varshini
14	145U1A0434	K SHIV A PRASAD	Prasad K
15	145U1A0437	K NIKITHA REDDY	Nikitha
16	145U1A0439	K ANJANI DURGA	Anjani Durga
17	145U1A0440	K SWATHI	Swathi
18	145U1A0450	M SAI VASUKI	Vasuki
19	145U1A0451	M PRAVEEN KUMAR	Praveen Kumar
20	145U1A0469	N INDU	Indu N
21	145U1A0471	P MAHESH	Mahesh
22	145U1A0473	P PRANEETH REDDY	Praneeth P.
23	145U1A0477	P MONALI	Monali
24	145U1A0488	S CHAITHANYA REDDY	Chaitanya
25	145U1A0495	S BHARATH CHARY	Chary
26	145U1A0497	S SRIKANTH REDDY	Srikanth
27	145U1A0498	SUSHMITA RAJESH CH	Rajesh Ch
28	145U1A0499	T RAMYA	Ramya
29	145U1A04A4	Y DEEPIKA	Y. Deepika
30	145U1A04A5	Y SRAVANI	Sravani
31	145U1A04A7	Y POOJA REDDY	Pooja
32	145U1A04A8	Y VITTAL PRASANNA	Vittal Prasananna
33	155U5A0403	CH THRIVENI	Thriveni
34	155U5A0409	G ANUSHA	Anusha
35	155U5A0412	K JYOTHI	Jyothi
36	155U5A0413	N NAVYASRI	Navyasri
37	155U5A0415	N PRASANNA	Prasananna
38	155U5A0417	P SINDHUJA	Sindhuja
39	155U5A0418	R SANDHYA RANI	Sandhya Rani

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

[Handwritten Signature]
Principal
Department of Electronics & Communication Engineering



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M),Ranga Reddy Dist - 501 510. T.S. India.
Ph:08415-201345, 92461 72317, avn.principal@gmail.com www.avniet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ATTENDANCE SHEET

A.Y: 2017-18

Name of Program: Embedded Systems Using Raspberry Pi Year & Sem:IV-B.Tech I-Sem

No.	Roll Number	Name of Student	7/8/17		8/8/17		9/8/17		10/8/17		11/8/17		14/8/17		16/8		17/8/17		
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN
1	145U1A0404	AMURUTHA DIVYA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	145U1A0407	A SAIKRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	145U1A0412	B SHIVA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	145U1A0413	B VENKATA SAI ROHITH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	145U1A0415	CH DIVYA REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	145U1A0418	CH VIJAY KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	145U1A0419	CH VENKANNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	145U1A0421	C NISHITHA GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	145U1A0422	CH KESAVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	145U1A0425	D SAIJYOTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	145U1A0426	D GOPI CHAND	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	145U1A0428	G SUSHMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	145U1A0433	K VARSHINI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	145U1A0434	K SHIV A PRASAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	145U1A0437	K NIKITHA REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	145U1A0439	K ANJANI DURGA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	145U1A0440	K SWATHI	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	145U1A0450	M SAI VASUKI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	145U1A0451	M PRAVEEN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	145U1A0469	N INDU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	145U1A0471	P MAHESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	145U1A0473	P PRANEETH REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	145U1A0477	P MONALI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	145U1A0488	S CHAITHANYA REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	145U1A0495	S BHARATH CHARY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	145U1A0497	S SRIKANTH REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	145U1A0498	SUSHMITA RAJESH CH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	145U1A0499	T RAMYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Principal
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (M.P.),
Ibrahimpatnam (M) R.R.

COURSE COMPLETION CERTIFICATE

This is to Certify that
MR. M. PRAVEEN KUMAR (145U1A0451)
from B.Tech ECE
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Has Successfully completed the Certificate Program on
"EMBEDDED SYSTEMS USING RASPBERRY PI"
from
MEPAC³ ENGINEERING SOLUTIONS PVT. LTD
during
07TH AUGUST 2017 to 19TH AUGUST 2017.

For MEPAC³ Engineering Solutions Pvt. Ltd



Name: Obedulla Bin Abidulla
Designation: Managing Director



PRINCIPAL

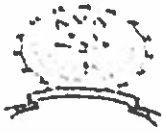
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP).

HVAC | Lift, Escalator & Car Parking Solutions Fire Alarm & Fire Protection Systems

Nirmal Towers, Flat No 107, Near Saibaba Temple, Dwarakapuri Colony, Punjagutta, Hyderabad-500082, T.S.
Mobile: +91 96661 65007, Landline: 040-48516007, Email: customercare@mepac.in | Website: www.mepac.in

Registered Office

H No. 12-2-389/A/135, Mahaveer Nagar Colony, Gudimalkapur, Asif Nagar, Hyderabad, Telangana, India, 500028.



Report on Program Organized by Department of ECE, AVNIET:

The department of ECE has organized a certificate program on "EMBEDDED SYSTEMS USING RASPBERRY PI" in association with MEPAC³ ENGG SOLUTIONS PVT LTD. The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by Mr.Obedulla Bin Abdulla.

A Certificate program on Raspberry Pi was conducted by the Department of E&C Engineering for the students of 07-08-2017 to 19-08-2017. This certificate program intended to familiarize the students with the Raspberry Pi and Arduino as processors and their applications. The resource persons for the Arduino session were MR.Obedulla Bin Abdulla. During this session, the students were given an insight into Introduction to Embedded C and Open Source platform system tools, Interfacing of I/O devices, LEDs, Switch, Buzzer. The students were also taught about Interfacing of Display Devices, ADC and DAC. During this session, the students were given an insight into Introduction to R-Pi, Python basics, Software installation, Introduction to IoT, Interfacing of I/O devices, LEDs, Switch, Buzzer and camera interfacing. The students were also taught OpenCV based object detection and developing games using python on R-Pi board. This session concluded with an overview of IoT and execution of some IoT applications.

Time to time Practical Assignments was provided to the students, which will help them in doing practice at home. Revision Time & Query Sessions were provided to the students which help them in clearing their all previous doubts. Exam also conducted at the end of basic. Around 35 students of IV B.Tech ECE have attended the session.

Sasi Kiran.
 Sasi Kiran

P.V. Shesha
 Head of the Department
 Electronics & Communication Engineering
 AVN Institute of Engineering & Technology
 Ibrahimpatnam (M), Ranga Reddy Dist - 501 510, T.S. India.

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 PRINCIPAL
 AVN Institute of Engineering & Technology
 Mahagubilly (V), Patelguda (MP),
 Ibrahimpatnam (M), R.F.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Embedded Systems Using Raspberry Pi

Date: 17/8/17

Class: IV-V

Branch: ECE

Section: B

S.No	1	2	3	4	5
Content	Subject Knowledge	Communication & Presentation Skills	Hands-on sessions	Clarification of Doubts	Interaction & Encouragement
1	4	4	4	3	4

Suggestions if any: *Need more information about clarification of doubts.*

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Embedded Systems Using Raspberry Pi

Date: 17/8/17


Class: IV-I

Branch: ECE

Section: A

S.No	1	2	3	4	5
Content	Subject Knowledge	Communication & Presentation Skills	Hands-on sessions	Clarification of Doubts	Interaction & Encouragement
1	3	4	4	4	4

Suggestions if any: *Need more informations about Robotics*


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 Ibrahimpatnam R.R.

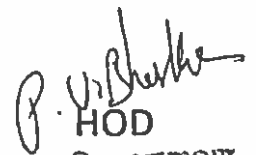


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 08-03-2018

All the IV B.TECH Students are hereby informed that the department is going to organize a certificate program on "video and image processing using matlab" from 19-03-2018 in association with Hack Boats. The interested candidates are informed to register their names in the department office on or before 12-03-2018. The fee particulars and schedule details of the program are enclosed


HOD

Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Patelguda (M) R.R. Dist. S.P.



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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattnam (M) R.R



TO

Date: 05-03-2018


The Principal,
AVNIET,
Hyderabad.

Sub: Requesting to conduct certificate program.

Respected sir,

Department of ECE seeking permission to organize a certificate program on "VIDEO AND IMAGE PROCESSING USING MATLAB" in association with HACK BOATS from 19-03-2018. The program will be of 40hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you


HOD
Head of the Department
Department of Computer & Electronics Engineering
AVN Institute of Engineering & Technology
Patelguda, Ibrahimpatnam (M), R.R. Dist, T.S.

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Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



SCHEDULE: Image & Video Processing using MATLAB

Digital images and videos are everywhere these days – in thousands of scientific (e.g., astronomical, bio-medical), consumer, industrial, and artistic applications. Moreover they come in a wide range of the electromagnetic spectrum - from visible light and infrared to gamma rays and beyond. The ability to process image and video signals is therefore an incredibly important skill to master for engineering/science students, software developers, and practicing scientists. Digital image and video processing continues to enable the multimedia technology revolution we are experiencing today. Some important examples of image and video processing include the removal of degradations images suffer during acquisition (e.g., removing blur from a picture of a fast moving car), and the compression and transmission of images and videos (if you watch videos online, or share photos via a social media website, you use this everyday!), for economical storage and efficient transmission.

This course will cover the fundamentals of image and video processing. We will provide a mathematical framework to describe and analyze images and videos as two- and three-dimensional signals in the spatial, spatio-temporal, and frequency domains. In this class not only will you learn the theory behind fundamental processing tasks including image/video enhancement, recovery, and compression - but you will also learn how to perform these key processing tasks in practice using state-of-the-art techniques and tools.

MATLAB (matrix laboratory) is a multi-paradigm numerical computing environment and fourth-generation programming language. MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include: Math and computation. Algorithm development. Etc

Topics to be covered

S.NO	CONTENTS	No. of Days
1	Introduction to MATLAB <ul style="list-style-type: none"> ❖ What is MATLAB ❖ The dominance of MATLAB over other languages ❖ Power of Matrix computations ❖ The application of MATLAB in various fields of engineering ❖ MATLAB Environment 	3 Days

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2	<p>Arithmetic Functions in MATLAB</p> <ul style="list-style-type: none">❖ Matrixes and Vectors❖ Creating Matrixes and Vectors❖ Matrix Operation❖ Array Operation❖ Indexing Matrix❖ Adding Elements to Vector or Matrix❖ Various Flow Control used in MATLAB❖ 2D & 3D graphical Plotting	3 Days
3	<p>Introduction to Signal & System</p> <ul style="list-style-type: none">❖ 2D and 3D Discrete Signals❖ Complex Exponential Signals❖ Linear Shift-Invariant Systems❖ 2D Convolution❖ Filtering in the Spatial Domain	3 Days
4	<p>Introduction to Simulink</p> <ul style="list-style-type: none">❖ Introduction to Simulink❖ Applications of simulink in System modelling❖ Modelling Basic electrical Circuit in Simulink and obtaining characteristic plots	3 Days
5	<p>Fourier Transform and Sampling</p> <ul style="list-style-type: none">❖ 2D Fourier Transform❖ Sampling❖ Discrete Fourier Transform❖ Filtering in the Frequency Domain❖ Change of Sampling Rate	4 Days
6	<p>Introduction to Image Processing</p> <ul style="list-style-type: none">❖ What is Image Data❖ Image Processing Toolbox❖ Importing Image❖ How to build a matrix image❖ Image Display❖ Image Operations	4 Days

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	❖ Image Conversion	
7	Image Arithmetic <ul style="list-style-type: none"> ❖ Adding Images ❖ Subtracting Images ❖ Multiplying Images ❖ Dividing Images ❖ Spatial Transformation ❖ Resizing Images ❖ Rotating Images ❖ Cropping Images 	4 Days
8	Image Filtration <ul style="list-style-type: none"> ❖ What is Image Restoration ❖ Noise and Images ❖ Noise Models ❖ Noise removal using spatial domain filtering ❖ Periodic noise ❖ Noise removal using frequency domain filtering 	4 Days
9	Morphological Image Processing <ul style="list-style-type: none"> ❖ Mathematic Morphology ❖ Z2 and Z3 ❖ Basic set theory ❖ Logic Operations ❖ Structuring Element ❖ How to describe Structuring Element ❖ Basic Morphological Operations ❖ Erosion ❖ Dilation ❖ Combining Erosion and Dilation ❖ Filtering Application ❖ Introduction to Graphical User Interface ❖ Application and Demos 	4 Days
10	Image Recovery <ul style="list-style-type: none"> ❖ Examples of Image and Video Recovery ❖ Image Restoration 	4 Days

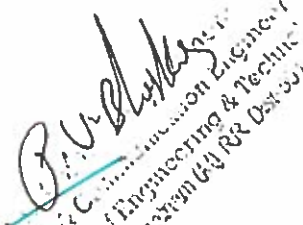
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P. V. Shetty
Head of Department
Communication Engineering
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



	<ul style="list-style-type: none"> ❖ Matrix-Vector Notation for Images ❖ Inverse Filtering ❖ Constrained Least Squares ❖ Set-Theoretic Restoration Approaches ❖ Iterative Restoration Algorithms ❖ Iterative Least-Squares and Constrained Least-Squares ❖ Spatially Adaptive Algorithms 	
11	<p>Image Compression</p> <ul style="list-style-type: none"> ❖ Scalar Quantization ❖ Vector Quantization ❖ Differential Pulse-Code Modulation ❖ Fractal Image Compression ❖ Transform Coding ❖ JPEG ❖ Subband Image Compression 	3 Days
12	<p>Video Compression</p> <ul style="list-style-type: none"> ❖ Motion-Compensated Hybrid Video Encoding ❖ On Video Compression Standards ❖ 261, H.263, MPEG-1 and MPEG-2 ❖ MPEG-4 ❖ 264 ❖ 265 	3 Days
13	<p>Image and Video Segmentation</p> <ul style="list-style-type: none"> ❖ Methods Based on Intensity Discontinuity ❖ Methods Based on Intensity Similarity ❖ Watersheds and K-Means Algorithms ❖ Advanced Method 	3Days


 B.V. Dhyani
 Principal
 AVN Institute of Engineering & Technology
 Mangalpally (V), Patelguda (MP),
 Ibrahimpatnam (M), R.R.



Report On Program Organized By Department Of ECE, AVNIET:

The department of ECE has organized a certificate program on "video & Image Processing using MATLAB" in association with HACKBOATS . The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by R.K Mahan

Mr.R.K.Mahan addressed the gathering about the importance of image and video processing using MATLAB and also mentioned how effectively the technology can be used in areas like health monitoring systems, smart homes and smart cities etc.Around 35 students of 4th year have attended the session. Feedback collected from the students.

P.C. Ellemraj
Head of the Department
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Ph 08415-201345, 92461 72317. avn_principal@gmail.com www.avniet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGISTERED STUDENTS LIST

A.Y: 2017-18

Name of Program: Video & Image Processing using MATLAB

Year & Sem:III-B.Tech I-Sem

S.No.	Roll Number	Name of Student	Signature
1	145U1A0401	A MANISH KUMAR	Manish Kumar
2	145U1A0403	A TARUN REDDY	Tarun Reddy
3	145U1A0404	AMURUTHA DIVYA	Amurutha Divya
4	145U1A0407	A SAIKRISHNA	Saishrisha
5	145U1A0410	B RUSHIKESH	Rushikesh
6	145U1A0412	B SHIVA KUMAR	Shiva Kumar
7	145U1A0413	B VENKATA SAI ROHITH	Venkata Sai Rohith
8	145U1A0415	CH DIVYA REDDY	Divya Reddy
9	145U1A0416	CH PRAVEEN	Praveen
10	145U1A0418	CH VIJAY KUMAR	Vijay Kumar
11	145U1A0419	CH VENKANNA	Venkanna
12	145U1A0421	C NISHITHA GUPTA	Nishitha Gupta
13	145U1A0430	G VAISHNAVI	Vaishnavi
14	145U1A0433	K VARSHINI	Varshini
15	145U1A0434	K SHIV A PRASAD	Shiv A Prasad
16	145U1A0435	K MAHESH	Mahesh
17	145U1A0437	K NIKITHA REDDY	Nikitha Reddy
18	145U1A0438	K MANISHA	Manisha
19	145U1A0439	K ANJANI DURGA	Anjani Durga
20	145U1A0440	K SWATHI	Swathi
21	145U1A0441	K NIKITHA	Nikitha
22	145U1A0442	K SINDHU	Sindhu
23	145U1A0450	M SAI VASUKI	Sai Vasuki
24	145U1A0463	G NAVANITH KUMAR	Navanith Kumar
25	145U1A0464	G SHIRISHA	Shirisha
26	145U1A0465	K MADHURI	Madhuri
27	145U1A0469	N INDU	Indu
28	145U1A0470	P BHUVANESHWARI	Bhuvaneshwari
29	145U1A0471	P MAHESH	Mahesh
30	145U1A0473	P PRANEETH REDDY	Praneeth Reddy
31	145U1A0475	P SRAVANTHI REDDY	Sravanthi Reddy
32	145U1A0477	P MONALI	Monali
33	145U1A0488	S CHAITHANYA REDDY	Chaithanya Reddy
34	145U1A0493	S RAKESH GUPTA	Rakesh Gupta
35	145U1A0495	S BHARATH CHARY	Bharath Chary

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Ibrahimpatnam (M) R.R.

Department of
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
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Ibrahimpatnam (M) R.R.



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Ph: 08415-201345, 92461 72317, avn.principal@gmail.com www.avnlet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ATTENDANCE SHEET

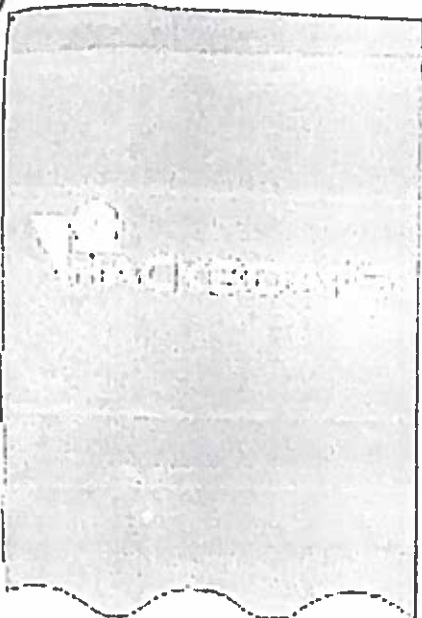
A.Y: 2017-18

02/19/2018

Name of Program: Video & Image Processing using MATLAB

Year & Sem: IV-B. Tech I-Sem

S.No.	Roll Number	Name of Student	Date	19/3/18	20/3/18	21/3/18	22/3/18	23/3/18	24/3/18	25/3/18	26/3/18	27/3/18	28/3/18	29/3/18	30/3/18	31/3/18	1/4/18	2/4/18	
1	145U1A0401	A MANISH KUMAR		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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5	145U1A0410	B RUSHIKESH		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	145U1A0412	B SHIVA KUMAR		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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10	145U1A0418	CH VIJAY KUMAR		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	145U1A0419	CH VENKANNA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	145U1A0421	C NISHITHA GUPTA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	145U1A0430	G VAISHNAVI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	145U1A0433	K VARSHINI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	145U1A0434	K SHIV A PRASAD		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	145U1A0435	K MAHESH		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	145U1A0437	K NIKITHA REDDY		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	145U1A0438	K MANISHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	145U1A0439	K ANJANI DURGA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	145U1A0440	K SWATHI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	145U1A0441	K NIKITHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	145U1A0442	K SINDHU		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	145U1A0450	M SAI VASUKI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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25	145U1A0464	G SHIRISHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	145U1A0465	K MADHURI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	145U1A0469	N INDU		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	145U1A0470	P BHUVANESHWARI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	145U1A0471	P MAHESH		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



CERTIFICATE

Date: 04 April 2018

This is to Certify that

S. RAKESH GUPTA (145U1A0493)

A student of B.tech [E.C.E] from

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

Has successfully completed Certificate Program on

"VIDEO & IMAGE PROCESSING USING MATLAB"

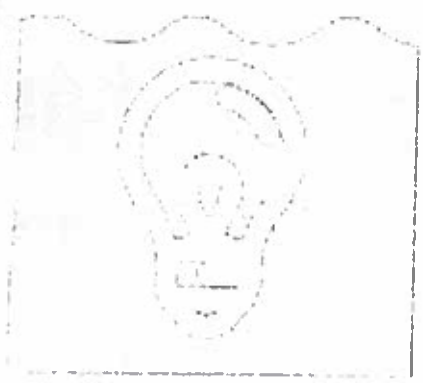
With HACKBOATS Inc. from

19 MARCH 2018 to 04 APRIL 2018.

ADDRESS
203, Lakshmi
Apartment, Mangalgi
Nagar, Hyderabad-500

CONTACT
9849940149874

WEBSITE
www.hackboats.com



Mahant
Founder and CFO
HACKBOATS

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Jirahmatnam (M), R.R.

(Signature)
Principal
Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Jirahmatnam (M), R.R. Dist-501 515

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Video & Image Processing Using MATLAB Date: 20/3/18

Class: IV-5sem Branch: ECE Section: A

S.No	1	2	3	4	5
Program Content					
Subject Knowledge	4				
Communication & Presentation Skills		5			
Hands-on sessions			3		
Clarification of Doubts				2	
Interaction & Encouragement					3
1	5	4	5	3	2

Suggestions if any: *Conduct more... sessions... we can improve... ourselves*

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Student Feedback on Workshop

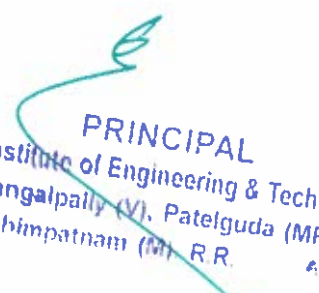
The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: Video & Image Processing Using MATLAB Date: 20/3/18

Class: *IV-I* Branch: ECE Section: A

S.No	1	2	3	4	5
Program Content					
Subject Knowledge	5				
Communication & Presentation Skills		4			
Hands-on sessions			4		
Clarification of Doubts				3	
Interaction & Encouragement					4
1	5	4	4	3	4

Suggestions if any: *Need More Topics on MATLAB*


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 25-01-2018

All the III B.TECH Students are hereby informed that the department is going to organize a certificate program on "MOBILE APPLICATION DEVELOPMENT" from 05-02-2018 in association with RoboInSci Technologies Pvt. Ltd. The interested candidates are informed to register their names in the department office on or before 29-01-2018. The fee particulars and schedule details of the program are enclosed



HOD

Head of the Department
Electronics & Communication Engineering
Department of Engineering & Technology
AVN Institute of Engineering & Technology



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AVN Institute of Engineering & Technology
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Ibrahimpattam (M), R.R.



TO

Date: 22-01-2018

The Principal,

AVNET,

Hyderabad,

Sub: Requesting to conduct certificate program.

Respected sir,

Department of ECE, seeking permission to organize a certificate program on "MOBILE APPLICATION DEVELOPMENT" in association with RoboInSci Technologies Pvt. Ltd from 05/02/2018. The program will be of 40hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to conduct the event.

Thanking you

HOD

Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Ibrahimpatnam (M), R.R. Dist-501510

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Ibrahimpatnam (M), R.R.



Schedule: Mobile Application Development

Topics to be covered

S.NO	CONTENTS	NO.OF DAYS
1	<p>Introduction to Mobile App Development</p> <ul style="list-style-type: none"> ▪ History and Background of Mobile Apps ▪ Smart Phones ▪ Tablets ▪ Mobile Computing ▪ Mobile Business Landscape ▪ Native Mobile Applications ▪ Mobile Web Applications ▪ Different Mobile Platforms ▪ iOS ▪ Android ▪ Windows Phone ▪ BlackBerry OS ▪ Tablet Platforms ▪ Hardware Sensors ▪ Security Consideration in Mobile App Design ▪ Data Integration and Database ▪ Programming Languages ▪ Web Designer and Developer Role 	5 Days
2	<p>App Development for Android</p> <ul style="list-style-type: none"> ▪ Features of Android ▪ Software Development Kit (SDK) for Android ▪ Android Applications ▪ Environment Setup ▪ Android Architecture ▪ Application Components ▪ Organizing Resources and Accessibility ▪ Broadcast Receivers and Intents ▪ Content Providers ▪ Fragments ▪ Intents and Filters ▪ User Interface (UI) Layouts ▪ UI Controls ▪ Event Handling ▪ Styles and Themes ▪ Custom Components ▪ Database and Content Providers ▪ Hardware Sensors ▪ Maps, Geocoding, and Location Services ▪ Audio, Video, and Camera ▪ Bluetooth, Bluetooth LE, NFC, Networks and Wi- 	5 Days

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Bharahimpattanam (M), R.R.



	<ul style="list-style-type: none"> Fi ▪ Telephony and SMS 	
3	Android Environment Setup and Architecture <ul style="list-style-type: none"> ▪ Tools ▪ Java Development Kit (JDK) ▪ Android JDK ▪ Android Development Tools (ADT) Plug-in ▪ Android Virtual Device ▪ Eclipse IDE ▪ Linux Kernel ▪ Android Libraries ▪ Android Runtime ▪ Application Framework ▪ Applications 	4 Days
4	Android User Interface (UI) Layouts and Control <ul style="list-style-type: none"> ▪ Relative Layout Attributes ▪ GridView Attributes ▪ Sub-Activity Attributes ▪ Layout Attributes ▪ View Identification ▪ Android UI Control ▪ TextView Attributes ▪ EditText Attributes ▪ AutoComplete TextView ▪ Button Attributes ▪ ImageButton Attributes ▪ CheckBox Attribute ▪ ToggleButton ▪ RadioButton Attributes ▪ RadioGroup Attribute 	5 Days
5	iOS Mobile Application Development Using Objective-C and Swift (iOS 9 and Below) <ul style="list-style-type: none"> ▪ General Background about iOS ▪ iOS Xcode ▪ Improvement from Cocoa Framework to Objective-C and Swift ▪ Benefits of Swift Development ▪ Combination of Objective-C and Swift ▪ Swift Interface and Implementation ▪ Object Creation ▪ Data Types in Swift ▪ Printing Logs ▪ Arrays, Dictionary and Categories in Swift ▪ Creating an App ▪ Actions and Outlets ▪ Delegates ▪ User Interface (UI) Elements ▪ Designing UI for iOS 	6 Days

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Ibrahimpattam (M), R.R.



	<ul style="list-style-type: none"> • Accelerometer • Universal Applications • Camera Management • Location Handling • SQLITE Database • Audio and Video • File Handling • Map and Location • In-App Purchases, Storyboards, and Audio Layouts • Game, Twitter, and Facebook • Memory Management in iOS • Application Development Debugging Techniques 	
6	User Interface Design in iOS <ul style="list-style-type: none"> • Main Elements of UI • UI Focus and Approaches • Text Files • Input Types • Buttons • Labels and Toolbars • Status Bars and Navigation Bars • Tab Bar • Image View • Scroll view • Table view • Split View • Text View • Pickers • Icons and Switchers • Sliders and Alerts 	5Days
7	C# and XAML for Windows Mobile Application Development (Windows 10 and Below) <ul style="list-style-type: none"> • Introduction to Windows Phone Platform • User Interface Design for Windows Phone • Application Interface • Windows Phone Developer and Designer Tools • Coding Tools • Designing Tools • Application Development Tools • C# Programming for Windows Phone App Development • Windows Application Life Cycle • Storage and Network Access • API Mapping Tools • Navigation Model • XAML Layout and Events • Windows Phone Emulator • HTML Apps in WebView 	6 Days

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Ibrahimpattam (M), R.R.



	<ul style="list-style-type: none"> ▪ Maps and Animations ▪ Video/Audio Control ▪ Controls and File Handling ▪ Bluetooth and Connectivity ▪ Web Services and Database 	
8	Hands On, Workshops, and Group Activities <ul style="list-style-type: none"> ▪ Labs ▪ Workshops ▪ Group Activities 	3 Days
9	Sample Workshops and Labs for Mobile App Development Workshop <ul style="list-style-type: none"> ▪ UI Design for Android Systems, Case Study ▪ Hello World Example for Android with Java ▪ Add Button to UI in Android Sample Code ▪ Designing an Image Capturing Event for Android ▪ Using XML for Slide Out Animation in Android ▪ Xcode Hands on Training for iOS ▪ Creating Button and Label for iOS App Development Case Study ▪ Example on Creating Delegate for iOS ▪ UI Design for iOS using Objective-C ▪ Create the Project for Windows Phone App in C# ▪ Creating the UI for Windows Phone ▪ Hello Word Example for Windows Phones 	6 Days

P. V. Bhargava
 P. V. Bhargava
 Institute of Engineering & Technology
 Ibrahimpatnam (M) RR Dist: 501 510 A.

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 Mangalpally (V), Patelguda (MP),
 Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

Soheda Road, M.P. Patelguda Post, Ibrahimpatnam(M), Ranga Reddy Dist - 501 510, T.S. India.
 Ph:08415-201345, 92461 72317, avn.principal@gmail.com www.avniet.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ATTENDANCE SHEET

A.Y: 2017-18

Name of Program: Mobile Application Development

21/1/2018 Year & Sem:III-B.Tech I-Sem

S.No.	Roll Number	Name of Student	Date	21/1/2018	29/1/18	30-1-2018	31/1/2018	1/2/2018	9/2/2018	2/2/2018	9/2/2018	3/2/2018
1	155U1A0404	B SRIKANTH	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
2	155U1A0406	BEERELLI HARSHITHA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
3	155U1A0407	BELIDE MOUNICA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
4	155U1A0408	BIRUMALLA KAVYA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
5	155U1A0409	BIRADAR SUNANDA G	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
6	155U1A0411	VENKATA SRIVATHSA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
7	155U1A0412	B SAIJAYA SURYA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
8	155U1A0413	BONTHU ADITYA DEVI	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
9	155U1A0414	B NAVEEN KUMAR	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
10	155U1A0415	BURUGU DIVYA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
11	155U1A0416	CH SUPRIYA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
12	155U1A0417	CH PRANAY KUMAR	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
13	155U1A0419	CHEPURU RANVA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
14	155U1A0421	CHEVIPALLY MOUNIKA	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
15	155U1A0422	CHINJALPADE JAIRANI	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
16	155U1A0423	CHINNAMAR BHARGAVI	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
17	155U1A0427	D MOUNIKA REDDY	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN




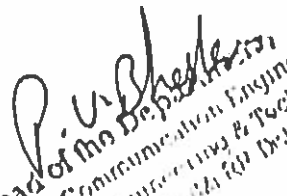
Report On Program Organized By Department Of ECE, AVNIET:


The Department of ECE has organized a certificate program on "MOBILE APPLICATION DEVELOPMENT" in association with RoboInSel Technologies Pvt. Ltd. The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by Mr. B H N Sai

This workshop has emphasis to provide a platform for interaction and to discuss about the recent advances, new paradigms, technological trends and challenges in the field of mobile application. Also WMADA 2014 provides an excellent opportunity to exchange ideas on the topics of importance along with thought provoking technical sessions.

Time to time Practical Assignments was provided to the students, which will help them in doing practice at home. Revision Time & Query Sessions were provided to the students which help them in clearing their all previous doubts. Exam also conducted at the end of basic. Around 30 students of III B.Tech ECE have attended the session.


C. Jagadeesh,
Asst. Prof
Dept of ECE


Head of the Department
Department of Electronics Engineering
Institute of Engineering & Technology
Patelguda, Ibrahimpatnam (M), R.R. Dist, T.S


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(Corporate Identity No. of the company: U73100TG2018PTC123928)

Plot No.5, Road No. 1, Lakshminagar Colony H.H. Reddy, Meerpet, Hyderabad-500097
Off. Address: Sphoorthy Engineering College, Hadergul (V), Sagar Road, Near L B Nagar, Balapur (TA), Hyderabad-501510
Ph.No. 9533423612, 9063334009, 8790353908, E-Mail: roboinsci@gmail.com

CERTIFICATE

This is to Certify that MR. B. SRIKANTH (155UIA0404) of III-B.Tech ECE from AVN INSTITUTE OF ENGINEERING & TECHNOLOGY has been Successfully completed 2-WEEK WORKSHOP on " MOBILE APPLICATION DEVELOPMENT" from RoboInSci Technologies Pvt. Ltd. HYDERABAD during 29th JANUARY 2018 to 03rd FEBRUARY 2018.

.....
Name: Dr. Y. YELLAM RAO.....
Designation: PRINCIPAL.....

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalagiri (V), Patelguda (MP)
Mangalagiri (M) R.R.

.....
Name: BHARSAI
Designation: TECHNICAL DIRECTOR

Director
RoboInSci
B. Vimal Singh
Lakshminagar Colony
Pvt. Ltd.

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalagiri (V), Patelguda (MP)
Mangalagiri (M) R.R.

P. V. Chakr
Head of Institute
Electronics & Communication
Institute of Technology
Mangalagiri (M) R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
 PATELGUDA (V), KOHEDA ROAD, IBRAHIMPATNAM, R.R.DIST, T.S-501510

Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: **MOBILE APPLICATION & DEVELOPMENT** Date: **3/2/18**

Class: **III B.Tech I Sem** Branch: **ECE** Section: **B**

S.No	1	2	3	4	5
Program Content					
Subject Knowledge					
Communication & Presentation Skills					
Hands-on sessions					
Clarification of Doubts					
Interaction & Encouragement					
1	4	4	5	4	4

Suggestions if any: *Keep more workshops on same domain such that we can gain more in mobile communications.*

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Student Feedback on Workshop

The Scale is: Excellent: 5; Verygood: 4; Good: 3; Satisfactory: 2; Not Satisfactory: 1

Name of Program: **MOBILE APPLICATION & DEVELOPMENT** Date: **3/2/18**

Class: **III I Sem** Branch: **ECE** Section:

S.No	1	2	3	4	5
Content					
Subject Knowledge					
Communication & Presentation Skills					
Hands-on sessions					
Clarification of Doubts					
Interaction & Encouragement					
1	2	3	4	4	3

Suggestions if any: *Practical. His should be more. keep tasks such that we come to know how we gain the knowledge.*

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 Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M)

Ranga Reddy Dist -- 501 510. T.S. India. Ph:08415-201345, 92461 72317 •

avn.principal@irmail.com www.avn.edu.in

AVNIET/CSE/2016-17

DATE: 28.08.2016

From:

Mr. P. Jagadish
Assistant professor,
Department of CSE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,


Sub: permission for conduct certificate course on "IOT Technologies" -Reg:-

We have planned to conduct certificate course on "IOT Technologies"- in the academic year 2016-17 for students of CSE department from 1/09/2016 to 14/09/2016 (2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.
Thank you.


Coordinator


HOD/CSE


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Ibrahimpatnam (M). R.R.



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Ranga Reddy Dist -- 501 510. T.S. India. Ph:08415-201345, 92461 72317 •

avn.principaltir@mail.com No. V.L. 1111CL, H.C. 111

Date: 29.08.2016

Ref: 01/AVN/CSE-3

Circular

All the **B.TECH CSE** Students are hereby informed that the CSE department is going to organize a certificate course on “IOT Technologies” from 1/09/2016 to 14/09/2016 the interested candidates are informed to register their names in the department office on before 30/08/2016.

To be read in,
Class room.

HOD-CSE

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Certificate Program on IOT

Introduction to Internet of Things

Learning Objectives: To learn the basics of IoT. Understand IoT architecture and IoT decision

Framework.

Topics:

What is IoT, how does it work

Difference between Embedded device and IoT device

Properties of IoT device

IoT Ecosystem

IoT Decision Framework

IoT Solution Architecture Models

How IoT is Transforming Businesses

Major IoT Boards in Market

Explore Raspberry Pi

Setting up Raspberry Pi and Sensors (Sense HAT Board)

Learning Objectives: To Configure Raspberry Pi and Program Sense HAT.

Topics:


Setting up Raspberry Pi

Showing working of Raspberry Pi using SSH Client and Team Viewer

Understand Sensing actions

Understand Actuators and MEMS

Hands On/Demo:



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(Cellular IoT, LPWAN)

Hands On/Demo:

Using RFID networking

Using other networks such as WiFi and Bluetooth

IoT with Microsoft Azure

Learning Objectives: To enable IOT with Microsoft Azure.

Topics:

What is Cloud and its Infrastructure

How IoT and Cloud deployment can create an effective IoT Solution

Azure IoT Hub components

Hands On/Demo:

Create Free Tier Azure Account. Explore Azure IoT hub services and other useful features

Azure IoT Hub Service API Demo

Implementing IoT with Azure

Learning Objectives: To create an IoT solution using Sensors and Raspberry Pi with Azure.

Topics:

Register your Raspberry Pi on Azure IoT Hub

Send and Receive messages from Raspberry Pi over Azure IoT Hub

Create Storage account and dock a container


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Brahmapuram (M) R.R.

Azure IoT Edge

Azure IoT Edge Components

Azure IoT Edge Architecture

Real-Time Analytics

Hands On/Demo:

Deployment of Raspberry Pi as an Edge Device on Azure IoT Edge



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Ibrahimpattanam (M), R.R.

to perform his day to day tweets using Raspberry Pi and its features.

For this capstone project, we will demonstrate managing and communication of Twitter API's as and

When required. Every time the python code is run the message will automatically be tweeted on the

social networking site.

Below are the challenges addressed in this project:

Control API's of Raspberry Pi

Tweet Text and Images from Raspberry Pi

Project

What are the system requirements for this IoT Certification?

Training?

Hardware Requirement(s):

Raspberry Pi 3 Model B

Sense-Hat,

SD card (minimum 16 GB class 10 recommended)

USB Keyboard and Mouse

Display Unit (Monitor or TV with HDMI support)

HDMI to VGA converter (optional)

USB Mic and Speaker

Software Requirement(s):



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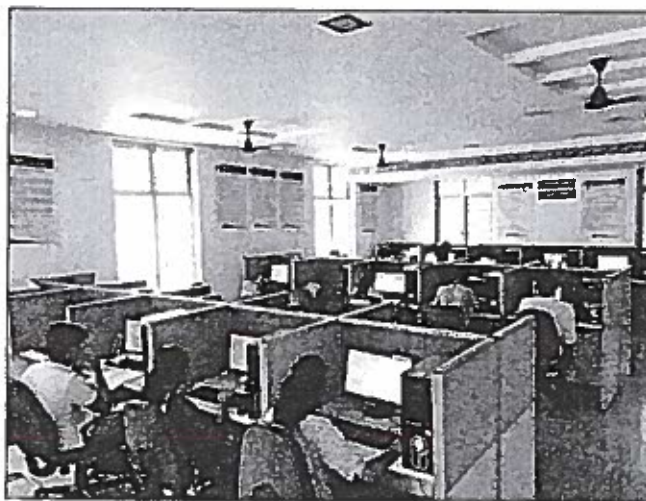
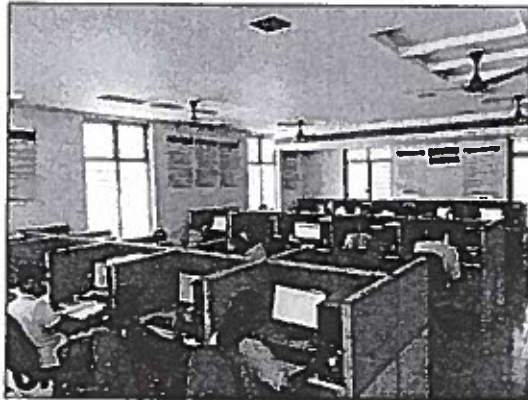
REPORT on IOT


The Department of CSE has organized a Certificate Program on "Internet of Things" by Mr. S. Rajesh Kulkarni, Engineer, PR Labs, Karnataka on 30th August and 1st September 2016 at CSE seminar hall between 09:30 AM to 4:00 PM for the benefit of third year students.

Mr. S. Rajesh Kulkarni emphasized on importance of basic concepts of Internet, microcontrollers and Networking skills required to design and implement an IOT based embedded project.

The Real time scenario also discussed about the software programming techniques and installation using IOT based Devices software and it's usage in embedded applications with authenticated explanations and real time examples.

The lot and COA given a lot of significance to description of ARM processor board, its pin configuration due to its immense importance in embedded system programming.




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STUDENTS LIST

Speaker Name : Mr S RAJESH KULKARNI

TOPIC : IOT

DEPARTMENT : CSE

ACADEMIC YEAR: 2016-17

s.no	Roll. no	Name of the student
1	135U1A0564	Thatipelli Saikiran
2	135U1A0565	Valluri Poojitha
3	135U1A0566	Vardha Sowndarya
4	135U1A0567	Vardha Tejasree
5	135U1A0568	V Prashanth Goud
6	135U1A0570	Vytla Harika
7	135U1A0571	Yata Bhagath Raj
8	135U1A0572	Yathirajula Sharmila
9	135U1A0573	Y Amrutha Pushpa
10	135U1A0574	Z K M Shaheen Khatun
11	145U5A0501	Korporu Krishna
12	145U5A0502	J Jyothi
13	145U5A0503	Chikkudu Srinivas
14	145U5A0504	Mohammad Umar Salman
15	145U5A0505	Anandas Vishal Kumar
16	145U5A0506	Vadde Mahender
17	145U5A0507	Amrutham Mamatha
18	145U5A0508	Sriramula Thirumala
19	125U1A0526	Katekar Akshay
20	125U1A0546	P Shashidhar
21	145U1A0501	A Sai Kiran
22	145U1A0502	Abbar Ulhaq Mohammed
23	145U1A0503	Ahmed Hassan
24	145U1A0504	Akkinepally Sourabh
25	145U1A0505	Amarchinta Naresh

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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpet, Hyderabad

FEEDBACK FORM

Speaker Name : Mr S RAJESH KULKARNI


TOPIC : IOT

DEPARTMENT : CSE

ACADEMIC YEAR: 2016-17

Score each of the following aspects of the presentation on a scale of 1 to 5 (5 : excellent , 4: good , 3 : average , 2 : needs improvement , 1 : poor).

s.no	Roll. no	Name of the student	5	4	3	2	1
1	135U1A0564	Thatipelli Saikiran	✓				
2	135U1A0565	Valluri Poojitha					
3	135U1A0566	Vardha Sowndarya		✓			
4	135U1A0567	Vardha Tejasree	✓				
5	135U1A0568	V Prashanth Goud		✓			
6	135U1A0570	Vytla Harika				✓	
7	135U1A0571	Yata Bhagath Raj		✓			
8	135U1A0572	Yathirajula Sharmila	✓				
9	135U1A0573	Y Amrutha Pushpa		✓			
10	135U1A0574	Z K M Shaheen Khatun					
11	145U5A0501	Korporu Krishna	✓				
12	145U5A0502	J Jyothi		✓			
13	145U5A0503	Chikkudu Srinivas			✓		
14	145U5A0504	Mohammad Umar Salman			✓		
15	145U5A0505	Anandas Vishal Kumar					
16	145U5A0506	Vadde Mahender	✓				
17	145U5A0507	Amrutham Mamatha			✓		
18	145U5A0508	Sriramula Thirumala			✓		
19	125U1A0526	Katekar Akshay	✓				
20	125U1A0546	P Shashidhar		✓			
21	145U1A0501	A Sai Kiran				✓	
22	145U1A0502	Abbar Ulhaq Mohammed	✓				
23	145U1A0503	Ahmed Hassan					
24	145U1A0504	Akkinepally Sourabh	✓				
25	145U1A0505	Amarchinta Naresh					
26	145U1A0506	Ankilla Karthik	✓				
27	145U1A0507	Arkathala Rishitha		✓			


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 RYK Institute of Engineering & Technology
 Mangalpally (V), Patelguda (MP),
 Ibrahimpatnam (M) R.R.



CERTIFICATE



PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattam (M), R.R.

This is to certify that *A. Sai Kumar* of

..... *Computer Science Engineering Internet of Things* has attended
a *Two* Week/Day Certification Course on

at AVN Institute of Engineering & Technology, Organized by Zillion Technologies



[Signature]
DIRECTOR



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



NAAC

NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

Accredited with 'B++' Grade by NAAC

Department of Computer Science Engineering

Date: 28.11.2018

Ref: 01/AVN/CSE-4

Circular

All the B.TECH CSE Students are hereby informed that the CSE department is going to organize a certificate course on " Python Programming " from 2/12/2018 to 25/12/2018 the interested candidates are informed to register their names in the department office on before 1/12/2018.


HOD-CSE

To be read in,

Class room.



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Ph.No. 08415-201345, www.avnie.ac.in, Email: avn.principal@gmail.com



NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

Accredited with 'B++' Grade by NAAC

AVNIET/CSE/2018-19

DATE: 26.11.2018

From:

Mr. N.Yadagiri,
Assistant professor,
Department of CSE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on " Python Programming " -Reg:-

We have planned to conduct certificate course on " Python Programming " - in the academic year 2018-19 for students of CSE department from 2/12/2018 to 25/12/2018 (2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.

Yadagiri
Coordinator

[Signature]
HOD/CSE

[Signature]
PRINCIPAL

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Ibrahimpattam (M), R.R.

CERTIFICATE PROGRAM ON PYTHON PROGRAMMING

In initial lectures of Python training, the focus will be on logic building and getting familiar with basic programming fundamentals.

- Flow charts
- Getting started
- Conditions and loops
- Operators
- Patterns 1 and 2

After first fundamentals part, work on basic Python concepts like strings and lists, along with quizzes to check your understanding. Towards the end of the section, you'll learn about more involved topics like loops and functions, and do a lot of coding exercises.

- Functions , Variables and their Scope
- Arrays And Lists
- Searching And Sorting
- Strings
- Two Dimensional Lists
- Dictionary, Sets And Tuples

he topics covered will be the backbone for the rest of the course and are also crucial for an interview perspective.

- Recursion 1
- Recursion 2
- Recursion 3
- Time and space complexity

Here we will be learning Object Oriented programming and basic data structures to gear up ourselves for writing efficient codes in Python.

- OOPS - 1
- OOPS - 2
- Linked list 1
- Linked list 2

The first half of the course prepares you for the second half i.e. Data structures. Data structures are the core of real world projects. Efficient data structures form the basis for designing efficient algorithms and softwares.


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Exception Handling

Introduction to Exception Handling, scenarios in Exception Handling with its execution, Arithmetic exception, RAISE of Exception, what is Random List, running a Random list on Jupyter Notebook, Value Error in Exception Handling.

Hands-on Exercise – Demo on Exception Handling with an Industry-based Use Case.

Multi Threading & Race Condition

Introduction to Thread, need of threads, what are thread functions, performing various operations on thread like joining a thread, starting a thread, enumeration in a thread, creating a Multithread, finishing the multithreads. Understanding Race Condition, lock and Synchronization with lock.

Hands-on Exercise – Demo on Starting a Thread and a Multithread and then perform multiple operations on them.

Packages and Functions

Intro to modules in Python, need of modules, how to import modules in python, the import statement, locating a module, namespace and scoping, arithmetic operations on Modules using a function, Intro to Search path, Global and local functions, filter functions, Packages, Python Packages, import in packages, various ways of accessing the packages, Decorators, Pointer assignments, and Xldr.

Hands-on Exercise – Demo on Importing the modules and performing various operation on them using arithmetic functions, importing various packages and accessing them and then performing different operations on them.

Web scraping with Python

Introduction to web scraping in Python, the various web scraping libraries, beautifulsoup, Scrapy Python packages, installing of beautifulsoup, installing Python parser lxml, creating soup object with input HTML, searching of tree, full or partial parsing, output print, searching the tree.

Hands-on Exercise – Installation of Beautiful soup and lxml Python parser, making a soup object with input HTML file, navigating using Py objects in soup tree.



PRINCIPAL

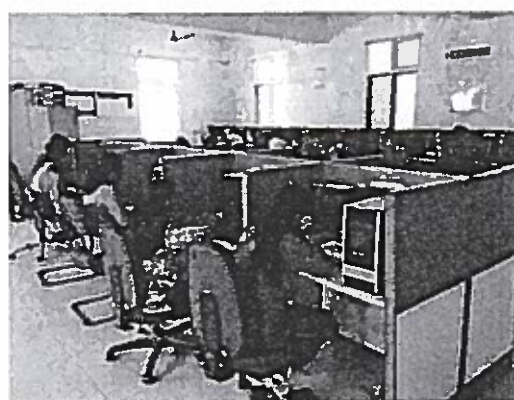
AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Chahimpatnam (M), R.R.

REPORT on Python Programming

The Department of CSE has organized a Certificate Program on "Programming in Python" by Mr. PURAMAN RAGHU KUMAR, Developer, TECHM Labs, Bangalore 2018 at CSE seminar hall between 09:30 AM to 4:00 PM for the benefit of third year students.

Mr. PURAMAN RAGHU KUMAR emphasized on importance of basic concepts of Programming, Python and Commands used in Networking skills required to design and implement an IOT based project. The lecture also discussed about the software programming techniques and installation using Anaconda software and it's usage in applications with authenticated explanations and real time examples.

The workshop given a lot of significance to description of MATPLOTT lib, its configuration due to its immense importance in system programming.



The IOT Using Python discussed about implementation of real time embedded systems such as small moving robot, line follower, Bluetooth controlled car, Traffic signals, LED displays and Mobile phone controlled robot etc.

Around 100 students of third year B.Tech of CSE has attended and interacted with the guest. A good feedback has been given by the students.

They Felt very happy and enlighten their knowledge and improve their skills and make a successful.

 HOD

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Ibrahimpatnam (MA), D.C.

STUDENT LIST


SPEAKER NAME : Mr. Puraman. Raghu Kumar

TOPIC : PYTHON

DEPARTMENT : CSE

ACADEMIC YEAR: 2018-19

S.NO	ROLL. NO	NAME OF THE STUDENT
1	155U1A0503	ANNU DIVYA REDDY
2	155U1A0505	B APARNA REDDY
3	155U1A0506	BALTHU LAKSHMI PRANATHI
4	155U1A0507	BATHKULA NIHARIKA
5	155U1A0508	BODA HARI KRISHNA
6	155U1A0509	BODAPATI TRIGVEL TEJ
7	155U1A0510	BOGADI MOUNISH REDDY
8	155U1A0515	BUYYA SOWMYA
9	155U1A0520	C PRATHYUSHA REDDY
10	155U1A0523	ERRA ANUHYA
11	155U1A0524	ETIKOTA KRISHNA MEGHANA
12	155U1A0525	GADDAM PRIYANKA
13	155U1A0526	GANGIDI NIKHITHA
14	155U1A0527	GARLAPATI PHANINDHRA
15	155U1A0528	GEEDI SACHIN
16	155U1A0530	GUDURI GNANASAI
17	155U1A0532	INDRAKANTI HARI CHARAN
18	155U1A0533	ISHWARYA
19	155U1A0534	JALADI SRAVANTHI
20	155U1A0535	JAMBULA MOUNIKA REDDY
21	155U1A0537	KACHROLA SAGAR
22	155U1A0538	KASULA UDAY KUMAR
23	155U1A0539	KATAKAM KALYAN CHARY
24	155U1A0541	KATTI VINEELA
25	155U1A0542	KOINNI SIREESHA
26	155U1A0543	KONDAMALLA HARIKA
27	155U1A0544	KONDOJU TEJASWINI
28	155U1A0546	KOTHAPALLY RAMYA


PRINCIPAL
AVH Institute of Engineering & Technology
Mangalagiri (V), Patancheru (M.D.),
Brahmapotnam, T.S.R.

FEEDBACK FORM

Speaker Name : Mr PURAMAN RAGHU KUMAR


TOPIC : PYTHON

DEPARTMENT : CSE

ACADEMIC YEAR: 2018-19

Score each of the following aspects of the presentation on a scale of 1 to 5 (5 : excellent , 4: good , 3 : average , 2 : needs improvement , 1 : poor).

S.NO	ROLL. NO	NAME OF THE STUDENT	5	4	3	2	1
1	155U1A0503	ANNU DIVYA REDDY	✓				
2	155U1A0505	B APARNA REDDY		✓			
3	155U1A0506	BALTHU LAKSHMI PRANATHI	✓				
4	155U1A0507	BATHKULA NIHARIKA			✓		
5	155U1A0508	BODA HARI KRISHNA		✓			
6	155U1A0509	BODAPATI TRIGVEL TEJ			✓		
7	155U1A0510	BOGADI MOUNISH REDDY					
8	155U1A0515	BUYYA SOWMYA			✓		
9	155U1A0520	C PRATHYUSHA REDDY	✓				
10	155U1A0523	ERRA ANUHYA			✓		
11	155U1A0524	ETIKOTA KRISHNA MEGHANA	✓				
12	155U1A0525	GADDAM PRIYANKA		✓			
13	155U1A0526	GANGIDI NIKHITHA					
14	155U1A0527	GARLAPATI PHANINDHRA		✓			
15	155U1A0528	GEEDI SACHIN					
16	155U1A0530	GUDURI GNANASAI	✓				
17	155U1A0532	INDRAKANTI HARI CHARAN		✓			
18	155U1A0533	ISHWARYA	✓				
19	155U1A0534	JALADI SRAVANTHI			✓		
20	155U1A0535	JAMBULA MOUNIKA REDDY	✓				
21	155U1A0537	KACHROLA SAGAR					
22	155U1A0538	KASULA UDAY KUMAR			✓		
23	155U1A0539	KATAKAM KALYAN CHARY		✓			
24	155U1A0541	KATTI VINEELA	✓				
25	155U1A0542	KOINNI SIREESHA		✓			


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 Ibrahimpatnam (M), R.R.



ICTs

Information & Communication Technologies

Creates the technology

TWO WEEK CERTIFICATION COURSE ON "Programming Language JAVA"

14th MARCH 2015 to 28th MARCH 2015

CERTIFICATE

This is to certify that **SHUBAM RAO** of

..... **Computer Science Engineering** has attended

a **Two** Week/Day Certification Course on **JAVA PROGRAMMING**
at AVN Institute of Engineering & Technology, Organized by ICTs.



[Signature]
SECTION HEAD

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Ibrahimpattam (M), R.R.



AVN Institute of Engineering & Technology

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avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering


Date: 6/09/2017

CIRCULAR

All the B.Tech Mechanical final year students are hereby informed that, a **Two Week Certificate program on "Robotics"** will be conducted on **12/09/2017 to 23/09/2017**. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms



H O D

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AVN Institute of Engineering & Technology
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Ibrahimpatnam (M). R.R.



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avn.principal@gmail.comwww.avniet.ac.in

Department of Mechanical Engineering

AVNIET/ME/2017-18/ODD/CP/01

DATE: 02.09.2017

From:

Mr.B.RAMESH,
Asst. professor,
Department of ME,
AVNIET-lbp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conducting certificate program on " ROBOTICS " -Reg:-

We have planned to conduct a certificate program on ROBOTICS in the academic year 2017-18 for IV Year students of mechanical engineering department from 12.09.2017 to 23.09.2017 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.


Coordinator


HOD/ME


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Department of Mechanical Engineering

Robotics Schedule

DAY-1:

Introduction

DAY-2:

1. Getting Started with Robotics

- ✓ Difference b/w Automation and Robotics
- ✓ History of Robots
- ✓ Types of Robots
- ✓ Types of Co-ordinate system
- ✓ Advantages and Disadvantages

DAY-3

2. End Effectors

- ✓ Definition of end effectors
- ✓ Types of end effectors
- ✓ Mechanical end effectors
- ✓ Vacuum end effectors

DAY-4

3. MOTION ANALYSIS

- ✓ Basic Rotation Matrices
- ✓ Equivalent Axis and Angle
- ✓ Euler Angles,
- ✓ Composite Rotation Matrices.
- ✓ Homogeneous transformations
- ✓ rotation and translation

DAY-5

4. Manipulator Kinematics-

- ✓ D-H notation
- ✓ method of Assignment of frames
- ✓ D-H Transformation Matrix
- ✓ joint coordinates, world coordinates
- ✓ Forward and inverse kinematics

DAY-6

5.

- ✓ Differential transformation of manipulators
- ✓ Jacobians


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DAY-7

6. Dynamics

- ✓ Lagrange –Euler Formation
- ✓ Newton- Euler Formation

DAY-8

6. Trajectory planning

- ✓ Trajectory planning and avoidance of obstacles,
- ✓ path planning
- ✓ Slew motion, joint interpolated motion
- ✓ straight line motion

DAY-9

7. Robot actuators

- ✓ Pneumatic, Hydraulic actuators
- ✓ Electric & stepper motors

DAY-10

8. Feedback components:

- ✓ position sensors – potentiometers
- ✓ Resolvers, encoders –Velocity sensors
- ✓ Tactile and Range sensors
- ✓ Force and Torque sensors


DAY-11

9. Robot Application in Manufacturing:

- ✓ Material Transfer - Material handling
- ✓ loading and unloading- Processing
- ✓ spot and continuous arc welding
- ✓ spray painting
- ✓ Assembly and Inspection

DAY-12

- ✓ Conclusion
- Certificate distribution


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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING


Name of Course: ROBOTICS

Date: 12-09-2017 TO 23-09-2017

A.Y:- 2017-18

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	145U1A0301	ABDUL SOHAIL	<i>Abdul Sohail</i>
2	145U1A0302	AERROLA KARTHIK	<i>A. Karthik</i>
3	145U1A0307	B AKASH	<i>B. Akash</i>
4	145U1A0308	BALSHETTI PRADEEP GOUD	<i>Pradeep Goud</i>
5	145U1A0309	BANDA SRINIVAS	<i>B. Srinivas</i>
6	145U1A0310	BANDARU NAGA GOPI	<i>B. Naga Gopi</i>
7	145U1A0313	BOBBILI VIJAY KUMAR	<i>V. Kumar</i>
8	145U1A0314	BODHANWAR SAITEJA	<i>B. Saiteja</i>
9	145U1A0315	CH SAI PAVAN KUMAR	<i>Pavan Kumar</i>
10	145U1A0316	CHADA SAI KIRAN	<i>Sai Kiran</i>
11	145U1A0318	CHINTHALA SRIKANTH REDDY	<i>Sri Kiran</i>
12	145U1A0322	DANDA MADHUVAN REDDY	<i>M. Madhuvan</i>
13	145U1A0323	DASA SUDHARSHAN	<i>D. Sudharshan</i>
14	145U1A0325	DASARI SAINATH REDDY	<i>D. Sainath</i>
15	145U1A0326	DENDHI ANVESH REDDY	<i>Anvesh Reddy</i>
16	145U1A0327	DEPAVATH MUKESH NAIK	<i>M. Mukesh</i>
17	145U1A0328	DESHMUK SHIVA KUMAR	<i>D. Shiva</i>
18	145U1A0330	G AKASH	<i>G. Akash</i>
19	145U1A0331	GADE MURALI KRISHNA	<i>M. Krishna</i>
20	145U1A0332	GAJAGANTI SAIKUMAR	<i>G. Saikumar</i>
21	145U1A0333	GANDHAM MANOJ	<i>M. Manoj</i>
22	145U1A0335	GONE SAI CHARAN REDDY	<i>Sai Charan</i>
23	145U1A0336	GOSKOLLA PAVAN	<i>P. Pavan</i>
24	145U1A0349	M MANISH REDDY	<i>M. Manish</i>
25	145U1A0351	NAMPALLY HARISH	<i>N. Harish</i>
26	145U1A0353	PONNA RAMAKRISHNA	<i>P. Ramakrishna</i>
27	135U1A0356	MADAGIRI YAGNAVALKYA	<i>M. Yagna</i>
28	135U1A0365	MOHAMMAD ISHRATH ALI	<i>M. Ishrath</i>
29	135U1A0386	RAMAVATH PAVAN	<i>R. Pavan</i>
30	145U1A0356	GANDI ABHILASH	<i>A. Abhilash</i>
31	145U1A0368	MOHAMMED MERAJ	<i>M. Meraj</i>
32	145U1A0370	MOHD IKRAM AFZALULLAH	<i>M. Ikram</i>
33	145U1A0371	MOOTA VINITH KUMAR	<i>V. Vinith</i>
34	145U1A0373	NADIMPALLY AKHIL REDDY	<i>N. Akhil</i>
35	145U1A0374	NALLA HARSHAVARDHAN	<i>N. Harshavardhan</i>
36	145U1A0375	NIMMA SHIVANAND REDDY	<i>N. Shivanand</i>
37	145U1A0376	P ANUP	<i>P. Anup</i>
38	145U1A0387	RAVULA HARISH GOUD	<i>R. Harish</i>
39	145U1A0389	RAYE VINAYSAGAR	<i>V. Vinaysagar</i>


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 AVN Institute of Engineering & Technology
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 Mahimpatnam (M), R.R.

40	145U1A0391	SAMPANGI MOHANBABU	S. Mahesh
41	145U1A0392	SARAGANI MANOJ	P. Manik
42	145U1A0393	SUMREDDY SRAVAN REDDY	S. Suresh
43	145U1A0394	SURESH YENDRU	Y. Suresh
44	145U1A0395	SYAMALA RAHUL	S. Rahul
45	145U1A03A1	VENNAVARAM PRADEEP	N. Pradeep
46	145U1A03A2	YALAKA GOPI KRISHNA	Y. Gopi krishna
47	145U1A03A6	BONGU SAI KIRISHNA	B. Sai Kirishna
48	145U5A0315	GANTA TRINADHARAO	G. Trinadharao
49	155U5A0302	CHILUKA NARESH	Ch. Naresh
50	155U5A0304	G JAGADISH	G. Jagadish
51	155U5A0305	GAJADI RAMESH YADAV	G. Ramesh
52	155U5A0306	JAKKARTHI NAGARAJU	J. Nagaraju
53	155U5A0307	KASULA MAHESH	K. Mahesh
54	155U5A0310	SAMMETA ASHOK	S. Ashok
55	155U5A0311	SANGEPU GANESH	S. Ganesh
56	155U5A0312	SUKKA RAKESH	S. Rakesh
57	155U5A0313	SURAMPALLY SUMANTH	S. Sumanth
58	155U5A0316	YENUGULA VIKRAM KUMAR	Y. Vikram

[Signature]
HOD

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Ibrahimpatnam (M). R.R.



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Department of Mechanical Engineering

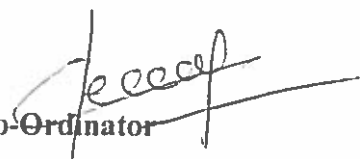
Report On Certificate Program on Robotics Organized By Mechanical Department:

The department of Mechanical Engineering has organized a certificate program on Robotics in association with **BIOLOGICAL E. Ltd. Hyd.**

This program was started with an inauguration ceremony by Principal **DRELLAM RAJ** by **MR. N.YADIAH** Technical partner, **BIOLOGICAL E. Ltd. Hyd.** On 12/09/2017 at **Mechanical Seminar Hall.**

The session was continued by **MR. N.YADIAH** who began with an Introduction to Robotics, the session was so interesting to know about new things about fundamentals of Robotics.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 58 members of IV Year Students of Mechanical Engineering department have attended for the program. It's conducted from 12-09-2017 to 23-09-2017


Co-Ordinator


HOD

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: ROBOTICS

Date: 12-09-2017 TO 23-09-2017

A.Y.- 2017-18

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALL TICKET NUMBER	STUDENT NAME	12-Sep	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	19-Sep	20-Sep	9/21/2017	9/22/2017	9/23/2017
1	145UIA0301	ABDUL SOHAIL	P	P	P	P	P	P	A	P	P	P	P
2	145UIA0302	AERROLA KARTHIK	P	P	P	P	A	P	P	P	P	A	P
3	145UIA0307	B AKASH	P	P	P	P	P	P	P	P	A	P	P
4	145UIA0308	BALSHETTI PRADEEP GOUD	P	P	P	A	P	P	P	P	P	P	P
5	145UIA0309	BANDA SRINIVAS	P	A	P	P	P	P	P	A	P	P	P
6	145UIA0310	BANDARU NAGA GOPI	P	P	A	P	P	P	P	P	P	A	P
7	145UIA0313	BOBBILI VIJAY KUMAR	P	P	P	P	A	P	P	P	P	P	P
8	145UIA0314	BODHANWAR SAITEJA	P	P	P	A	P	P	A	P	P	P	P
9	145UIA0315	CH SAI PAVAN KUMAR	P	P	P	P	P	A	P	P	P	P	P
10	145UIA0316	CHADA SAI KIRAN	P	P	P	P	P	P	P	P	P	P	P
11	145UIA0318	CHINTHALA SRIKANTH	P	P	P	P	P	P	P	P	P	P	P
12	145UIA0322	DANDA MADHUVAN REDDY	P	P	P	P	P	P	P	P	P	P	P
13	145UIA0323	DASA SUDHARSHAN	P	P	P	P	P	P	P	P	P	P	P
14	145UIA0325	DASARI SAINATH REDDY	P	P	P	P	A	P	P	P	P	P	P
15	145UIA0326	DENDHI ANVESH REDDY	P	A	P	P	P	P	P	P	P	P	P
16	145UIA0327	DEPAVATH MUKESH NAIK	P	P	P	P	P	A	P	P	P	P	P
17	145UIA0328	DESHMUK SHIVA KUMAR	P	P	A	P	P	P	P	P	P	P	P
18	145UIA0330	G AKASH	P	P	P	P	P	A	P	P	P	P	P
19	145UIA0331	GADE MURALI KRISHNA	P	P	P	P	P	A	P	P	P	P	P
20	145UIA0332	GAJAGANTI SAIKUMAR	P	P	A	P	P	P	P	P	P	P	P
21	145UIA0333	GANDHAM MANOJ	P	P	P	P	P	P	P	P	P	P	P
22	145UIA0335	GONE SAI CHARAN REDDY	P	P	P	P	P	P	P	P	P	P	P
23	145UIA0336	GOSKOLLA PAVAN	P	A	P	P	P	P	A	P	P	P	P
24	145UIA0349	M MANISH REDDY	P	P	P	P	A	P	P	P	P	P	P
25	145UIA0351	NAMPALLY HARISH	P	P	P	P	P	P	P	P	P	P	P
26	145UIA0353	PONNA RAMAKRISHNA	P	P	P	P	P	P	P	P	P	P	P

AVN Institute of Engineering & Technology
 Mangalpatnam (AV) Patanguda (MP),
 Mangalpatnam (M) R.R.
 Horahimpatnam (M) R.R.



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Celebrating Life Everyday

CERTIFICATE

**TWO WEEK CERTIFICATION COURSE ON
"Robotics" 12th sept to 23rd sept 2017**

This is to certify that B. Akash, 145/1 PPO307, of
AVNIE, Htz.alexabad. has attended
a 2 Week/Day Certification Course on Robotics

at AVN Institute of Engineering & Technology ..



MANAGER

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



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CERTIFICATE

TWO WEEK CERTIFICATION COURSE ON
"Robotics" 12th sept to 23rd sept 2017

This is to certify that G. Pavan 14SUIA0336 of


AVNIES, Hyderabad has attended

a 2 Week/Day Certification Course on Robotics

at AVN Institute of Engineering & Technology ..




MANAGER

 **PRINCIPAL**
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Jbrathinpatnam (M), R.R.



Biological E. Limited

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CERTIFICATE

TWO WEEK CERTIFICATION COURSE ON
"Robotics" 12th sept to 23rd sept 2017

This is to certify that S. Rahul, 145V1A0395of

..... AVN.I.E.T., Hyderabadhas attended

a 2 Week/Day Certification Course on Robotics -

at AVN Institute of Engineering & Technology ..



[Signature]
MANAGER

[Handwritten mark]
PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Ibrahimpatnam (M) R.R.



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



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ACCREDITATION COUNCIL

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Department of Computer Science Engineering

Date: 13.04.2017

Ref: 01/AVN/CSE-2

Circular

All the IV-B.TECH Students are hereby informed that the CSE department is going to organize a certificate course on "ARTIFICIAL INTELLIGENCE" from 21st April 2017 to 3rd May 2017 the interested candidates are informed to register their names in the department office on before 18/04/2017.


HOD-CSE

To be read in,

Class room.


PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattam (M), R.R.



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



NAAC
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ACCREDITATION COUNCIL

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AVNIET/CSE/2017-18

DATE: 13.04.2017

From:

Mr.T.Raj Kumar,
Assistant professor,
Department of CSE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on "ARTIFICIAL INTELLIGENCE"-Reg:-

We have planned to conduct certificate course on "ARTIFICIAL INTELLIGENCE"- in the academic year 2017-18 for IV Year students of CSE department from 21.04.2017 to 3.05.2017 (2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.

Coordinator

HOD/CSE

PRINCIPAL

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpattam (M), R.R.

ARTIFICIAL INTELLIGENCE COURSE CONTENT

Introduction to Python Programming Language along with implementation in local machine &

1. Introduction to Google cloud colab
2. Getting started with Numpy with implementation in python
3. Getting started with Pandas with implementation in python
4. Getting Started with Matplotlib with implementation in Python
5. Mathematics for Machine Learning
6. Linear Algebra for Machine Learning
7. Data Preprocessing with a real-time example using Python
8. Exploratory Data Analysis using Python
9. Introduction to Machine learning Algorithms along with implementation in python by taking a case study
10. Introduction to Calculus
11. Deep Learning
12. Implementation of Neural Network using Tensorflow library in python using google cloud colab
13. Implementation of Neural Network using Keras library in python using google cloud colab
14. Implementation of Neural Network using PyTorch library in python using google cloud colab



PRINCIPAL

AVN Institute of Engineering & Technology

Mangalpally (V), Patolguda (MP),

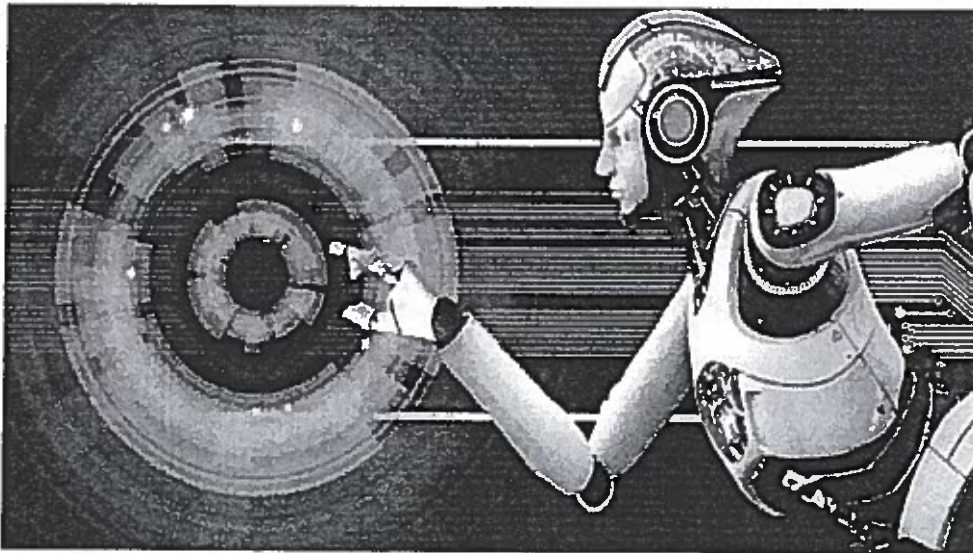
Ibrahimpattam (M), R.R.

What is Artificial Intelligence?

In today's world, technology is growing very fast, and we are getting in touch with different new technologies day by day.

Here, one of the booming technologies of computer science is Artificial Intelligence which is ready to create a new revolution in the world by making intelligent machines. The Artificial Intelligence is now all around us. It is currently working with a variety of subfields, ranging from general to specific, such as self-driving cars, playing chess, proving theorems, playing music, Painting, etc.

AI is one of the fascinating and universal fields of Computer science which has a great scope in future. AI holds a tendency to cause a machine to work as a human.



Artificial Intelligence is composed of two words **Artificial** and **Intelligence**, where Artificial defines "*man-made*," and intelligence defines "*thinking power*", hence AI means "*a man-made thinking power*."

So, we can define AI as:

"It is a branch of computer science by which we can create intelligent machines which can behave like a human, think like humans, and able to make decisions."

Artificial Intelligence exists when a machine can have human based skills such as learning, reasoning, and solving problems

With Artificial Intelligence you do not need to preprogram a machine to do some work, despite that you can create a machine with programmed algorithms which can work with own intelligence, and that is the awesomeness of AI.

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP);
Ibrahimpatnam (M): R.R.

STUDENTS LIST

Speaker Name : Mr A KONDAL REDDY

TOPIC : ARTIFICIAL INTELLIGENCE

DEPARTMENT : CSE

ACADEMIC YEAR: 2017-18

S.no	Roll. no	Name of the student
1	175U1A0501	AALLA NANDU
2	175U1A0502	AGIRISHETTY MEGHANA
3	175U1A0503	ANAMDAS ANUSHA
4	175U1A0504	ARIBANDI ANILA
5	175U1A0505	B NAGARJUNA
6	175U1A0506	B VAISHNAVI
7	175U1A0507	BADDAM MANIKANTH REDDY
8	175U1A0508	BADDAM RAHUL KUMAR REDDY
9	175U1A0509	BANALA MANASA
10	175U1A0510	BANDI AKSHITHA
11	175U1A0511	BANDLAGUDA VINAY GOUD
12	175U1A0512	BARLA MEGHANA
13	175U1A0513	BASTIPADU NAVEEN CHANDRA
14	175U1A0514	BOBBALA SAI KRISHNA REDDY
15	175U1A0515	BONTHA SAIKIRAN
16	175U1A0516	CHARABUDDLA SHREYA REDDY
17	175U1A0517	CHEEKULA TRIVENI REDDY
18	175U1A0518	CHERIPALLY CHANDRAKANTH
19	175U1A0519	CHERUKURI SHIRISHA
20	175U1A0520	CH REDDY SUMANTH REDDY
21	175U1A0521	CHANDA SHIVA KUMAR
22	175U1A0522	DENDI SINDHU
23	175U1A0523	DESANI SAHITHI
24	175U1A0524	DESHAGANI MADHU
25	175U1A0525	DONTHINENI ARUN KUMAR
26	155U1A0511	BONTHA SURESH
27	155U1A0519	CH SUNDAR KUMAR
28	165U1A0501	AGUTHOTA NIKHIL
29	165U1A0502	AMANAGANTI DIVYA REDDY

PRINCIPAL

AVM Institute of Engineering & Technology
Mangalpally (V), Patalguda (M.P),
Ibrahimpattanam (M), R.R.

30	165U1A0504	AVANCHA MALASRI
31	165U1A0506	B PRAVEENA
32	165U1A0508	B V G RAGHUNATH
33	165U1A0509	BADDAM NIHARIKA
34	165U1A0510	BALNE KALYAN
35	165U1A0512	BANOTH SWATHI
36	165U1A0513	BHAMIDIPATI SRI SAI KISHAN
37	165U1A0514	BOMMIDEKA AKANKSHA
38	165U1A0515	BUDIDHA AKHIL
39	165U1A0516	CH SRICHAITHANYA
40	165U1A0517	CHATELLI ESHWAR
41	165U1A0518	CH VENKAT SANDEEP
42	165U1A0519	CHITHRLA VINAY
43	165U1A0520	DARAVENI VYSHNAVI
44	155U1A0535	JAMBULA MOUNIKA REDDY
45	155U1A0537	KACHORLA SAGAR
46	155U1A0538	KASULA UDAY KUMAR
47	155U1A0539	KATAKAM KALYAN CHARY
48	155U1A0541	KATTI VINEELA
49	155U1A0542	KOINNI SIREESHA
50	155U1A0543	KANDIMALLA HARIKA
51	155U1A0544	KONDOJU TEJASWINI
52	155U1A0546	KOTHAPALLY RAMYA
53	155U1A0547	K KRISHNAKANTH REDDY
54	155U1A0548	KULKARNI JAIDEEP
55	155U1A0549	KUMBAM NIKHIL
56	155U1A0550	KURA SAI CHAITANYA
57	155U1A0552	LADDIPELLY NIKHIL GOUD
58	155U1A0553	LAGGANI NAVEEN KUMAR
59	155U1A0554	MADAS SHESHANK KUMAR
60	155U1A0555	MADHAVARAM LAHARI

HOD_CSE

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 Mangalagiri (M), R.R.

A REPORT on ARTIFICIAL INTELLIGENCE

It started with the basic introduction about java core topics like class, Inheritance, Interface, Adapter classes and packages. Usage of supervised and reinforcement learning Apps and building and the related software for the development of the application using Android

After Tea Break it focuses on familiarization and installation of the PythonEnvironment set up along with the Django application framework and application components. It also focused on how to use the tools provided in the software .It dealt with creating a simple hello word application without any deep coding.



Students felt that this value added session Artificial Intelligence development was very much useful for them and they got the basic idea for developing application. It is planned to extend this value added training in the next semester with some medium level of application development.

HOD

PRINCIPAL

AVN Institute of Engineering & Technology
Mangrady (V), Patalguda (MP)

FEEDBACK FORM

Speaker Name : Mr. *Kondal Reddy*


TOPIC : A I

DEPARTMENT : CSE

ACADEMIC YEAR: 2017-18

Score each of the following aspects of the presentation on a scale of 1 to 5 (5 : excellent , 4: good , 3 : average , 2 : needs improvement , 1 : poor).

S.no	Roll. no	Name of the student	5	4	3	2	1
1	175U1A0501	AALLA NANDU	✓				
2	175U1A0502	AGIRISHETTY MEGHANA		✓			
3	175U1A0503	ANAMDAS ANUSHA			✓		
4	175U1A0504	ARIBANDI ANILA	✓				
5	175U1A0505	B NAGARJUNA			✓		
6	175U1A0506	B VAISHNAVI			✓		
7	175U1A0507	BADDAM MANIKANTH REDDY			✓		
8	175U1A0508	BADDAM RAHUL KUMAR REDDY	✓				
9	175U1A0509	BANALA MANASA		✓			
10	175U1A0510	BANDI AKSHITHA			✓		
11	175U1A0511	BANDLAGUDA VINAY GOUD		✓			
12	175U1A0512	BARLA MEGHANA	✓				
13	175U1A0513	BASTIPADU NAVEEN CHANDRA			✓		
14	175U1A0514	BOBBALA SAI KRISHNA REDDY	✓				
15	175U1A0515	BONTHA SAIKIRAN			✓		
16	175U1A0516	CHARABUDDLA SHREYA REDDY			✓		
17	175U1A0517	CHEEKULA TRIVENI REDDY	✓				
18	175U1A0518	CHERIPALLY CHANDRAKANTH			✓		
19	175U1A0519	CHERUKURI SHIRISHA		✓			
20	175U1A0520	CH. REDDY SUMANTH REDDY	✓				
21	175U1A0521	CHANDA SHIVA KUMAR			✓		
22	175U1A0522	DENDI SINDHU			✓		
23	175U1A0523	DESANI SAHITHI			✓		
24	175U1A0524	DESHAGANI MADHU	✓				
25	175U1A0525	DONTHINENI ARUN KUMAR			✓		
26	155U1A0511	BONTHA SURESH		✓			
27	155U1A0519	CH SUNDAR KUMAR	✓				


PRINCIPAL
 AVN Institute of Engineering & Technology
 Mangalpally (V), Patalguda (MP),
 Ibrahimpatnam (M), R.R.

The Research and Innovation Society for Engineers
(The RISE)
Hyderabad, TS.



TWO WEEK CERTIFICATION COURSE ON

Artificial Intelligence

CERTIFICATE

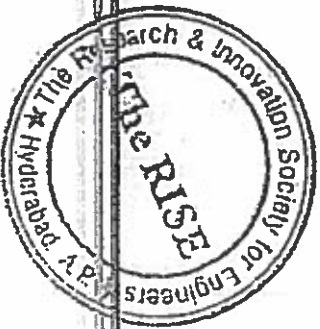
This is to certify that *B. MEGHANA* of

..... *Computer Science and Engineering* has attended
a *Two* Week/Day Certification Course on *Artificial Intelligence*

at AVN Institute of Engineering & Technology.

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Hyderabad (M), R.R.



[Signature]
SECRETARY



AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, IBRAHIMPATNAM (M), R.R.Dist, 501510, T.S

Ph.No. 08415-201345, www.avniet.ac.in, Email: avn.principal@gmail.com



NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

Accredited with 'B++' Grade by NAAC

Department of Computer Science Engineering

Date: 31.11.2017

Ref: 01/AVN/CSE-5

Circular

All the **B.TECH CSE** Students are hereby informed that the CSE department is going to organize a certificate course on “**Cloud Computing**” from 2/12/2017 to 15/12/2017 the interested candidates are informed to register their names in the department office on before 1/12/2017.

HOD-CSE

To be read in,

Class room.

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M). R.R.



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NAAC

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ACCREDITATION COUNCIL

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AVNIET/CSE/2017-18

DATE: 30.11.2017

From:

Mrs. G. Anitha,
Assistant professor,
Department of CSE,
AVNIET-IBP.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conduct certificate course on “Cloud Computing” -Reg:-


We have planned to conduct certificate course on “Cloud Computing”- in the academic year 2018-19 for students of CSE department from 2/12/2017 to 15/12/2017 (2 weeks as per the time table).Herewith We have enclosed the budget, schedule and syllabus for the same We request you to grant us permission to conduct the certificate program.

Thank you.


Coordinator


HOD/CSE


PRINCIPAL


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

A Report on Cloud Computing Workshop

The Objective of the session was to impart students with the knowledge about the cloud Computing and Hands on cloud computing & virtualization tools with future aspects of cloud computing.

An Interesting session with students to make them aware about the significance of cloud Technology & Information Technology. Letting Students understand the importance and opportunities of new age technologies Other than the traditional ones. Students can work on virtualization & cloud tools.

It started with significant changes and future in Cloud Technology & Information Security. This was followed by dealing about the basics of cloud, type of cloud, hand on virtualization & cloud computing tools. Each of the vertical was explained clearly to the audience along with the current trends latest development, with the aid of showing videos about each of them



HOD

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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Brahimpatnam (M), R.R.

FEEDBACK FORM

Speaker Name: Mr Phomintra Prasad.


TOPIC : Cloud Computing

DEPARTMENT : CSE

ACADEMIC YEAR: 2017-18

Score each of the following aspects of the presentation on a scale of 1 to 5 (5 : excellent , 4: good , 3 : average , 2 : needs improvement , 1 : poor).

s.no	Roll. no	Name of the student	5	4	3	2	1
1	135U1A0564	Thatipelli Saikiran		✓			
2	135U1A0565	Valluri Poojitha			✓		
3	135U1A0566	Vardha Sowndarya		✓			
4	135U1A0567	Vardha Tejasree	✓				
5	135U1A0568	V Prashanth Goud		✓			
6	135U1A0570	Vytla Harika			✓		
7	135U1A0571	Yata Bhagath Raj		✓			
8	135U1A0572	Yathirajula Sharmila			✓		
9	135U1A0573	Y Amrutha Pushpa		✓			
10	135U1A0574	Z K M Shaheen Khatun		✓			
11	145U5A0501	Korporu Krishna			✓		
12	145U5A0502	J Jyothi			✓		
13	145U5A0503	Chikkudu Srinivas		✓			
14	145U5A0504	Mohammad Umar Salman	✓				
15	145U5A0505	Anandas Vishal Kumar				✓	
16	145U5A0506	Vadde Mahender	✓				
17	145U5A0507	Amrutham Mamatha		✓			
18	145U5A0508	Sriramula Thirumala			✓		
19	125U1A0526	Katekar Akshay		✓			
20	125U1A0546	P Shashidhar		✓			
21	145U1A0501	A Sai Kiran			✓		
22	145U1A0502	Abbar Ulhaq Mohammed			✓		
23	145U1A0503	Ahmed Hassan	✓				
24	145U1A0504	Akkinepally Sourabh			✓		
25	145U1A0505	Amarchinta Naresh			✓	✓	
26	145U1A0506	Ankilla Karthik					✓
27	145U1A0507	Arkathala Rishitha		✓			


PRINCIPAL
 AVN Institute of Engineering & Technology
 Mangalpally (V), Patelguda (MP),
 Ibrahimpatnam (M), R.R.

28	145U1A0508	Arra Nikhil Reddy	✓				
29	145U1A0509	Atmakur Susheel Goud		✓			
30	145U1A0510	A Ravikar Yadav			✓		
31	145U1A0511	B Pooja Yadav			✓		
32	145U1A0512	Balthu Hrushikesh		✓			
33	145U1A0513	Bandari Prakash		✓			
34	145U1A0514	Banoth Akhil		✓			
35	145U1A0515	Bejjala Sarvasree			✓		
36	145U1A0516	Bollabathini Ajay				✓	
37	145U1A0518	Boojuri Shruthi	✓				
38	145U1A0519	Bottu Akanksha Mudiraj		✓			
39	145U1A0520	C Indra Karan		✓			
40	145U1A0521	Cherukuri Sai Prakash			✓		
41	145U1A0522	Chevva Nikitha		✓			
42	145U1A0523	Chilakamarri Sravani			✓		
43	145U1A0524	Cholate Pooja		✓			
44	145U1A0525	D Sahith Reddy	✓				
45	145U1A0526	Depa Rakesh Reddy		✓			
46	145U1A0527	Devasani Sai Kumar			✓		
47	145U1A0529	Dhanthala Karthik				✓	
48	145U1A0530	D Manohar Rao			✓		
49	145U1A0531	Emmadi Vinay		✓			
50	145U1A0532	G Naga Shruthi		✓			
51	145U1A0533	Gaddam Sreeja Reddy		✓			
52	145U1A0534	G Lakshmi Vaishnavi			✓		
53	145U1A0535	Gandu Manohar			✓		
54	145U1A0536	Ganga Sravani		✓			
55	145U1A0539	Garka Bhargavi		✓			
56	145U1A0540	Gathuku Yashwanth		✓			
57	145U1A0541	Golconda Ravalika				✓	

HOD of CSE Department.

Principal

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

The Research and Innovation Society for Engineers
(The RISE)
Hyderabad, TS.



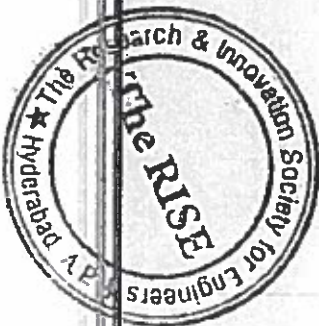
TWO WEEK CERTIFICATION COURSE ON

Cloud Computing

CERTIFICATE

This is to certify that **V. HARIKA** of

..... *Computer Science and Engineering* has attended
a *Two* Week/Day Certification Course on *Cloud Computing*
at AVN Institute of Engineering & Technology.



[Signature]
SECRETARY

[Signature]
PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Ibrahimpattam (M). R.R.



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M)
Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345, 92461 72317
avn.principal@gmail.comwww.avniet.ac.in

Department of Mechanical Engineering

Date: 28/09/2015

CIRCULAR

All the B.Tech Mechanical final year students are hereby informed that, a **Two Week Certificate program on "Robotics"** will be conducted on **06/10/2015 to 17/10/2015**. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms


HOD


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M)
Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345, 92461 72317
avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering

AVNIET/ME/2015-16/ODD/CP/01

DATE: 22.09.2015

From:

Mr.B.RAVI KIRAN,
Asst. professor,
Department of ME,
AVNIET-Ibp.

To


The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conducting certificate program on “ ROBOTICS ” -Reg:-

We have planned to conduct a certificate program on ROBOTICS in the academic year 2015-16 for IV Year students of mechanical engineering department from 06.10.2015 to 17.10.2015 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.


Coordinator


HOD/ME


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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

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Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345, 92461 72317
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Department of Mechanical Engineering

Robotics Schedule

DAY-1:

Introduction

DAY-2:

1. Getting Started with Robotics

- ✓ Difference b/w Automation and Robotics
- ✓ History of Robots
- ✓ Types of Robots
- ✓ Types of Co-ordinate system
- ✓ Advantages and Disadvantages

DAY-3

2. End Effectors

- ✓ Definition of end effectors
- ✓ Types of end effectors
- ✓ Mechanical end effectors
- ✓ Vacuum end effectors

DAY-4

3. MOTION ANALYSIS

- ✓ Basic Rotation Matrices
- ✓ Equivalent Axis and Angle
- ✓ Euler Angles,
- ✓ Composite Rotation Matrices.
- ✓ Homogeneous transformations
- ✓ rotation and translation

DAY-5

4. Manipulator Kinematics-

- ✓ D-H notation
- ✓ method of Assignment of frames
- ✓ D-H Transformation Matrix
- ✓ joint coordinates, world coordinates
- ✓ Forward and inverse kinematics

DAY-6

5.

- ✓ Differential transformation of manipulators
- ✓ Jacobians

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DAY-7

6.Dynamics

- ✓ Lagrange –Euler Formation
- ✓ Newton- Euler Formation

DAY-8

6. Trajectory planning

- ✓ Trajectory planning and avoidance of obstacles,
- ✓ path planning
- ✓ Slew motion, joint interpolated motion
- ✓ straight line motion

DAY-9

7. Robot actuators

- ✓ Pneumatic, Hydraulic actuators
- ✓ Electric & stepper motors

DAY-10

8. Feedback components:

- ✓ position sensors – potentiometers
- ✓ Resolvers, encoders –Velocity sensors
- ✓ Tactile and Range sensors
- ✓ Force and Torque sensors


DAY-11

9. Robot Application in Manufacturing:

- ✓ Material Transfer - Material handling
- ✓ loading and unloading- Processing
- ✓ spot and continuous arc welding
- ✓ spray painting
- ✓ Assembly and Inspection

DAY-12

- ✓ Conclusion
- Certificate distribution


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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: **ROBOTICS**

Date: **06-10-2015 TO 17-10-2015**


A.Y:- **2015-16**


STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	095U1A0325	KOMMIDI SHILPA	M. Shilpa
2	125U1A0302	A BHARATH REDDY	A. Bharath
3	125U1A0303	A CHANDRA SHEKAR	A. Chandra
4	125U1A0304	A RAHUL BHARGAVA RAJU	A. Rahul
5	125U1A0305	A MADHUKAR REDDY	A. Madhukar
6	125U1A0309	BRAJA SHEKAR YADAV	B. Shekhar
7	125U1A0312	BOLLOJU NARENDRA	B. Narendra
8	125U1A0313	BOMMA BRIJENDRA REDDY	B. Brijendra
9	125U1A0314	BORRA PRUTHVI RAJ	B. Pruthvi
10	125U1A0316	D RAVIKUMAR REDDY	D. Ravikumar
11	125U1A0317	VEERAMALLA VINEETH	V. Vineeth
12	125U1A0318	DASARLA RAVI KUMAR	D. Ravi
13	125U1A0319	E RAVIKUMAR NAYAK	E. Ravi
14	125U1A0320	G GOUTHAM	G. Goutham
15	125U1A0324	GOSHIKONDA RAHUL	G. Rahul
16	125U1A0325	GUGULOTHU VINOD NIAK	G. Vinod
17	125U1A0327	J BHAVYA	J. Bhavya
18	125U1A0328	J HARISH	J. Harish
19	125U1A0330	K DEEPTHI	K. Deepthi
20	125U1A0331	K NARESH	K. Nareesh
21	125U1A0335	KADARI SRINIVAS	K. Srinivas
22	125U1A0338	LINGOJU SHRAVAN KUMAR	L. Shraavan
23	125U1A0339	MANNE SWATHI	M. Swathi
24	125U1A0342	NRAKESH	N. Rakesh
25	125U1A0343	NAKKEERAN BHARADWAJ	N. Bharadwaj
26	125U1A0344	P HARI KRISHNA	P. Hari
27	125U1A0348	PALURI EDUKONDALU	P. Edukonda
28	125U1A0349	RACHALA YASHWANTH GOUD	R. Yashwanth
29	125U1A0350	RELA SHIVA RAMA KRISHNA REDDY	R. Shiva
30	125U1A0351	S VINOD KUMAR	S. Vinod
31	125U1A0353	SEELAM SAGAR	S. Sagar
32	125U1A0354	SURINENI JAGADEESH	S. Jagadeesh
33	125U1A0355	T SRIKANTH	T. Srikanth
34	125U1A0356	THUMMALAPENTA SHEKAR BABU	T. Shekar
35	125U1A0361	APPAM NAGENDRA PRASAD	A. Nagendra
36	125U1A0362	B SANDEEP	B. Sandeep
37	125U1A0364	BIKKUMALLA SANDEEP	B. Sandeep
38	125U1A0365	D AKSHAI KUMAR	D. Akshai
39	125U1A0369	JARUPULA SIDDU	J. Siddu
40	125U1A0373	K CHAITANYA VARMA	K. Chaitanya
41	125U1A0374	KDINESH REDDY	K. Dinesh

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42	125U1A0376	KANNAPURAM SAI KIRAN GOUD	K. S. Sankar
43	125U1A0381	M RAMANJANEYULU	M. Ramaneeyulu
44	125U1A0383	MARAM SRISAI	M. S. Srisai
45	125U1A0384	MATTI SRIKANTH REDDY	M. S. Srikant Reddy
46	125U1A0387	MOHAMMED AMER	M. Amer
47	125U1A0389	MOHD HUSSAIN PASHA	M. Hussain Pasha
48	125U1A0390	N HANUMAN	N. Hanuman
49	125U1A0391	P DINESH KUMAR	P. D. Dinesh Kumar
50	125U1A0392	P M GANESH	P. M. Ganesh
51	125U1A0394	P SANTOSH	P. Santosh
52	125U1A0399	SAPPIDI MAHESH REDDY	S. Mahesh Reddy
53	125U1A03A0	SHAIK SHAHID	S. K. Shaik
54	125U1A03A1	SIRAM RAKESH	S. Ramesh
55	125U1A03A5	T CHANDRA SHEKAR	T. Chandra Shekar
56	125U1A03A7	V SAI KRISHNA CHAITANYA	V. Sai Krishna Chaitanya
57	135U5A0301	AMBATI RAMAKRISHNA REDDY	A. Ramakrishna Reddy
58	135U5A0302	J RAJU	J. Raju
59	135U5A0303	MOHAMMED ABDUL MAJEED	M. A. Majeed


HOD


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Department of Mechanical Engineering

Report On Certificate Program on Robotics Organized By Mechanical Department:


The department of Mechanical Engineering has organized a certificate program on Robotics in association with **BIOLOGICAL E. Ltd. Hyd.**


This program was started with an inauguration ceremony by Principal **DR.J.Govardhan** by **MR. SRINIVASAN** Technical partner, **BIOLOGICAL E. Ltd. Hyd.** On **06/10/2015** at **Mechanical Seminar Hall.**

The session was continued by **MR. SRINIVASAN** who began with an Introduction to Robotics, the session was so interesting to know about new things about fundamentals of Robotics.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 59 members of IV Year Students of Mechanical Engineering department have attended for the program. It's conducted from 06-10-2015 to 17-10-2015


Co-Ordinator


HOD


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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M). R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: **ROBOTICS**

Date: **06-10-2015 TO 17-10-2015**

A.Y:- 2015-16

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALL TICKET NUMBER	STUDENT NAME	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	14-Oct	10/15/2015	10/16/2015	10/17/2015
1	095UIA0325	KONIMIDI SHILPA	P	P	P	P	P	P	P	P	P	P	P
2	125UIA0302	A BHARATH REDDY	P	P	P	P	P	P	P	P	P	P	P
3	125UIA0303	A CHANDRA SIEKAR	P	P	P	P	P	P	P	P	P	P	P
4	125UIA0304	A RAHUL BHARGAVA RAJU	P	P	P	P	P	P	P	P	P	P	P
5	125UIA0305	A MADHUKAR REDDY	P	P	P	P	P	P	P	P	P	P	P
6	125UIA0309	BRAJA SIEKAR YADAV	P	P	P	P	P	P	P	P	P	P	P
7	125UIA0312	BOLLOJU NARENDRA	P	P	P	P	P	P	P	P	P	P	P
8	125UIA0313	BOMMA BRIJENDRA REDDY	P	P	P	P	P	P	P	P	P	P	P
9	125UIA0314	BORRA PRUTHIVI RAJ	P	P	P	P	P	P	P	P	P	P	P
10	125UIA0316	D RAVIKUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P
11	125UIA0317	VEERAMALLA VINEETHI	P	P	P	P	P	P	P	P	P	P	P
12	125UIA0318	DASARLA RAVI KUMAR	P	P	P	P	P	P	P	P	P	P	P
13	125UIA0319	E RAVIKUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	P
14	125UIA0320	G GOUTHAM	P	P	P	P	P	P	P	P	P	P	P
15	125UIA0324	GOSHIKONDA RAHUL	P	P	P	P	P	P	P	P	P	P	P
16	125UIA0325	GUGULOTHU VINOD NIAK	P	P	P	P	P	P	P	P	P	P	P
17	125UIA0327	J BHAVYA	P	P	P	P	P	P	P	P	P	P	P
18	125UIA0328	J HARISH	P	P	P	P	P	P	P	P	P	P	P
19	125UIA0330	K DEEPTHI	P	P	P	P	P	P	P	P	P	P	P
20	125UIA0331	K NARESH	P	P	P	P	P	P	P	P	P	P	P
21	125UIA0335	KADARI SRINIVAS	P	P	P	P	P	P	P	P	P	P	P
22	125UIA0338	LINGOJU SHRIVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P
23	125UIA0339	MANNE SWATHI	P	P	P	P	P	P	P	P	P	P	P
24	125UIA0342	NRAKESH	P	P	P	P	P	P	P	P	P	P	P
25	125UIA0343	NAKKEERAN BHARADWAJ	P	P	P	P	P	P	P	P	P	P	P
26	125UIA0344	P HARI KRISHNA	P	P	P	P	P	P	P	P	P	P	P
27	125UIA0348	PALURI EDUKONDALU	P	P	P	P	P	P	P	P	P	P	P
28	125UIA0349	RACHALA YASHIWANTH GOUD	P	P	P	P	P	P	P	P	P	P	P
29	125UIA0350	RELA SHIVA RAMA KRISHNA	P	P	P	P	P	P	P	P	P	P	P
30	125UIA0351	S VINOD KUMAR	P	P	P	P	P	P	P	P	P	P	P
31	125UIA0353	SEELAM SAGAR	P	P	P	P	P	P	P	P	P	P	P

PRINCIPAL
 AVN Institute of Engineering & Technology,
 Mangalagiri (V), Guntur District,
 Ibrahimpatnam (M), R.R.



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CERTIFICATE

TWO WEEK CERTIFICATION COURSE ON
"Robotics" 6th october to 17th october 2015

This is to certify that G. Gowtham 125D1A0320 of
..... AVNIES has attended
a 2 Week/Day Certification Course on Robotics
at AVN Institute of Engineering & Technology ..




MANAGER

PRINCIPAL
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Mangalpurthy (V), Patelguda (MP),
Muzhaimpattanam (M), R.R.



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**TWO WEEK CERTIFICATION COURSE ON
"Robotics" 6th october to 17th october 2015**

This is to certify that *K. Deepthi* 1251140230 of

..... *AVNES*

a *2* Week/Day Certification Course on *Robotics* has attended

at AVN Institute of Engineering & Technology ..



[Signature]
MANAGER

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patalguda (MP),
Ibrahimpatnam (M), R.R. ..



Biological E. Limited
Celebrating Life Every day

CERTIFICATE

TWO WEEK CERTIFICATION COURSE ON
"Robotics" 6th october to 17th october 2015

This is to certify that *Mr. Amer* *125040287* of
..... *AVNIET* has attended
a *2* Week/Day Certification Course on *Robotics*
at AVN Institute of Engineering & Technology ..



[Signature]
MANAGER

PRINCIPAL

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Mangalpally (V), Patancheru (M.P.),
Hyderabad (T.S) 507 303



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Department of Mechanical Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name : Mr.SRINIVASAN

Course Name & Topic Name : ROBOTICS

Department : Mechanical Engineering

Academic year : 2015-16

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solves engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

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Mangalpally (V), Patelguda (WP),
Ibrahimpatnam (M) R R

S.No	HALLTICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	095U1A0325	KOMMIDI SHILPA	Pol, P10	✓					K. Srinivas
2	125U1A0302	A BHARATH REDDY	Pol, P12				✓		P. Bhargava
3	125U1A0303	A CHANDRA SHEKAR	Pol, P11					✓	A. Chandra
4	125U1A0304	A RAHUL BHARGAVA RAJU	Pol, P10				✓		P. Srinivas
5	125U1A0305	A MADHUKAR REDDY	Pol, P05	✓					S. Venkatesh
6	125U1A0309	BRAJA SHEKAR YADAV	Pol, P10				✓		S. N. Venkatesh
7	125U1A0312	BOLLOJU NARENDRA	Pol, P10		✓				P. N. Venkatesh
8	125U1A0313	BOMMA BRIJENDRA REDDY	Pol, P11				✓		P. N. Venkatesh
9	125U1A0314	BORRA PRUTHVI RAJ	Pol, P11			✓			P. N. Venkatesh
10	125U1A0316	D RAVIKUMAR REDDY	Pol, P05	✓					P. N. Venkatesh
11	125U1A0317	VEERAMALLA VINEETH	Pol, P11				✓		P. N. Venkatesh
12	125U1A0318	DASARLA RAVI KUMAR	Pol, P11			✓			P. N. Venkatesh
13	125U1A0319	E RAVIKUMAR NAYAK	Pol, P10				✓		P. N. Venkatesh
14	125U1A0320	G GOUTHAM	Pol, P12			✓			P. N. Venkatesh
15	125U1A0324	GOSHIKONDA RAHUL	Pol, P11	✓					P. N. Venkatesh
16	125U1A0325	GUGULOTHU VINOD NIAK	Pol, P10		✓				P. N. Venkatesh
17	125U1A0327	J BHAVYA	Pol, P11			✓			P. N. Venkatesh
18	125U1A0328	J HARISH	Pol, P10	✓					P. N. Venkatesh
19	125U1A0330	K DEEPTHI	Pol, P12				✓		P. N. Venkatesh
20	125U1A0331	K NARESH	Pol, P12			✓			P. N. Venkatesh
21	125U1A0335	KADARI SRINIVAS	Pol, P10				✓		P. N. Venkatesh
22	125U1A0338	LINGOJU SHRAVAN KUMAR	Pol, P10		✓				P. N. Venkatesh
23	125U1A0339	MANNE SWATHI	Pol, P11				✓		P. N. Venkatesh
24	125U1A0342	NRAKESH	Pol, P12			✓			P. N. Venkatesh
25	125U1A0343	NAKKEERAN BHARADWAJ	Pol, P10				✓		P. N. Venkatesh
26	125U1A0344	P HARI KRISHNA	Pol, P12			✓			P. N. Venkatesh
27	125U1A0348	PALURI EDUKONDALU	Pol, P05				✓		P. N. Venkatesh
28	125U1A0349	RACHALA YASHWANTH GOUD	Pol, P05	✓					P. N. Venkatesh
29	125U1A0350	RELA SHIVA RAMA KRISHNA REDDY	Pol, P10				✓		P. N. Venkatesh
30	125U1A0351	S VINOD KUMAR	Pol, P11				✓		P. N. Venkatesh
31	125U1A0353	SEELAM SAGAR	Pol, P10				✓		P. N. Venkatesh
32	125U1A0354	SURINENI JAGADEESH	Pol, P11				✓		P. N. Venkatesh

AVN Institute of Engineering & Technology
Mangalagiri (V), Patangada (M.P.)
Brahmapatnam (M), R.R



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Department of Mechanical Engineering


Date: 09/09/2014


CIRCULAR

All the B.Tech Mechanical final year students are hereby informed that, a **Two Week Certificate program on "Robotics"** will be conducted on **15/09/2014 to 27/09/2014**. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms


H O D


PRINCIPAL
AVN Institute of Engineering & Technology
Mannalpally (V), Patelguda (MP),
Ranga Reddy Dist, T.S. India



AVN Institute of Engineering & Technology

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Department of Mechanical Engineering

AVNIET/ME/2014-15/ODD/CP/01

DATE: 02.09.2014

From:

Mr.K.VENKATESH,
Asst. professor,
Department of ME,
AVNIET-Ibp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

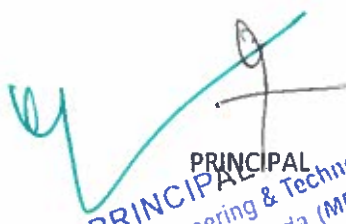
Sub: permission for conducting certificate program on “ ROBOTICS ” -Reg:-

We have planned to conduct a certificate program on ROBOTICS in the academic year 2014-15 for IV Year students of mechanical engineering department from 15.09.2014 to 27.09.2014 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.


Coordinator


HOD/ME


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.



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Department of Mechanical Engineering Robotics Schedule

DAY-1:

Introduction

DAY-2:

1. Getting Started with Robotics

- ✓ Difference b/w Automation and Robotics
- ✓ History of Robots
- ✓ Types of Robots
- ✓ Types of Co-ordinate system
- ✓ Advantages and Disadvantages

DAY-3

2. End Effectors

- ✓ Definition of end effectors
- ✓ Types of end effectors
- ✓ Mechanical end effectors
- ✓ Vacuum end effectors

DAY-4

3. MOTION ANALYSIS

- ✓ Basic Rotation Matrices
- ✓ Equivalent Axis and Angle
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- ✓ Composite Rotation Matrices.
- ✓ Homogeneous transformations
- ✓ rotation and translation

DAY-5


4 .Manipulator Kinematics-

- ✓ D-H notation
- ✓ method of Assignment of frames
- ✓ D-H Transformation Matrix
- ✓ joint coordinates, world coordinates
- ✓ Forward and inverse kinematics

DAY-6

5.

- ✓ Differential transformation of manipulators
- ✓ Jacobians


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DAY-7

6. Dynamics

- ✓ Lagrange –Euler Formation
- ✓ Newton- Euler Formation

DAY-8

6. Trajectory planning

- ✓ Trajectory planning and avoidance of obstacles,
- ✓ path planning
- ✓ Slew motion, joint interpolated motion
- ✓ straight line motion

DAY-9

7. Robot actuators

- ✓ Pneumatic, Hydraulic actuators
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DAY-10

8. Feedback components:

- ✓ position sensors – potentiometers
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- ✓ Tactile and Range sensors
- ✓ Force and Torque sensors


DAY-11

9. Robot Application in Manufacturing:

- ✓ Material Transfer - Material handling
- ✓ loading and unloading- Processing
- ✓ spot and continuous arc welding
- ✓ spray painting
- ✓ Assembly and Inspection

DAY-12

- ✓ Conclusion
- Certificate distribution


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AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

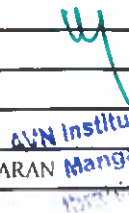
Name of Course: ROBOTICS

Date: 15-09-2014 TO 27-09-2014

A.Y:- 2014-15

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	115U1A0301	A PAVAN KUMAR	A. Pavan
2	115U1A0302	AJIT KUMAR SINGH	Ajit Singh
3	115U1A0304	APPAM UMASHANKAR	Appam Umashankar
4	115U1A0305	ARRABOLLU YAHUN	A. Y. Yahun
5	115U1A0310	BYRAMONI SWETHAVAHAN	Swetha Vahan
6	115U1A0312	CHIRUMALLA MANOJ	Manoj
7	115U1A0313	DACHA NARENDER MAYUR KUMAR	D. Narendar
8	115U1A0316	GEENURALA HEMANT H	Hemant
9	115U1A0318	GUDE SAIRAM	G. Sairam
10	115U1A0319	GURRAM VINOD REDDY	Vinod Reddy
11	115U1A0320	K ARAVIND KUMAR REDDY	Aravind Reddy
12	115U1A0321	K PRADEEP REDDY	Pradeep Reddy
13	115U1A0322	KALLURU REVANTH REDDY	Revanth Reddy
14	115U1A0323	KATKAM CHARAN	K. Charan
15	115U1A0324	KINNERA VIVEK KUMAR	Vivek K
16	115U1A0326	KUNUTHURU NAVEENKUMAR	K. Naveen
17	115U1A0329	MANGA RAVIKUMAR	M. Ravikumar
18	115U1A0331	MANYAM RAMAKRISHNA	M. Ramakrishna
19	115U1A0333	NEDUNOOR SANTHOSH KUMAR	N. Santhosh
20	115U1A0336	P PRASHANTH	P. Prashanth
21	115U1A0337	P THARUN REDDY	P. Tharun
22	115U1A0340	R BALA SUBRAMANYAM GOUTHAM	R. Bala Subramanyam
23	115U1A0343	SAI RAM BELIDE	B. Sai Ram
24	115U1A0344	SAMREDDY RAJA SHEKAR REDDY	Raja Shekar Reddy
25	115U1A0345	SEETHIRAJU SAIKOUSHIK	S. Seethiraju
26	115U1A0347	SUDHEER KUMAR YADAV	S. Sudheer
27	115U1A0351	VUPPU PRASANNA KUMAR	V. Prasantha
28	115U1A0352	Y MANISH KUMAR GUPTHA	Y. Manish
29	115U1A0354	AJMAIR BIN ABDUL KHADER YAMANI	A. Ajmair
30	115U1A0355	ATLURI SAI RAM	A. Sai Ram
31	115U1A0356	AYYALASOMAYAJULA SAIMADHAV	A. Saimadhav
32	115U1A0357	BATTU MAHODAY REDDY	M. Mahoday
33	115U1A0358	CHENNA MINITH KUMAR	M. Minith
34	115U1A0360	D SAI RAJ	D. Sai Raj
35	115U1A0361	DANNI SHIVA KUMAR	D. Shiva
36	115U1A0362	DESHAPATHI SHIVA CHARAN	D. Shiva Charan
37	115U1A0364	EMMADI VISHNUVARDHANREDDY	V. Vishnuvardhan
38	115U1A0365	GANTA SATHWIK REDDY	G. Sathwik
39	115U1A0366	KALITHKAR POORNA CHANDER RAO	P. Chander Rao
40	115U1A0369	L JAYAVARDHAN REDDY	L. Jayavardhan
41	115U1A0370	MACHAVARAM VENKATA SAI PARASARAN	M. Venkatasai


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 Mainly (VI), Patelguda
 Mangalagiri (Dist. R.R. Rajamahendravaram)

42	115U1A0371	MARIKANTI RAKESH REDDY	M. R. Reddy
43	115U1A0372	MIDDELA HARI PRASAD REDDY	M. Hari Prasad
44	115U1A0375	MOSALI KAUSHIK REDDY	M. Kaushik
45	115U1A0376	MOTHE SAI KIRAN REDDY	M. Sai Kiran
46	115U1A0377	NUKALA JAGADEESH	N. Jagadeesh
47	115U1A0379	NUNE SAIRAM	N. Sairam
48	115U1A0380	PANTHAMWAR AVINASHI	P. Avinashi
49	115U1A0381	R SRIKANTH REDDY	R. Srikanth
50	115U1A0383	SHAIK IMRAN	S. Imran
51	115U1A0388	MUPPALA MAHENDER	M. Mahender

H
HOD

✓
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Mangalpally (V), Patalguda (MP),
Mangalapuram (M) R.R



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Department of Mechanical Engineering

Report On Certificate Program on Robotics Organized By Mechanical Department:

The department of Mechanical Engineering has organized a certificate program on Robotics in association with **BIOLOGICAL E. Ltd. Hyd.**


This program was started with an inauguration ceremony by Principal **DR.J.Govardhan** by **MR. SRINIVASAN** Technical partner, **BIOLOGICAL E. Ltd. Hyd.** On **15/09/2014** at **Mechanical Seminar Hall.**

The session was continued by **MR. SRINIVASAN** who began with an Introduction to Robotics, the session was so interesting to know about new things about fundamentals of Robotics.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 51 members of IV Year Students of Mechanical Engineering department have attended for the program. It's conducted from 15-09-2014 to 27-09-2014


Co-Ordinator


HOD


PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: ROBOTICS

Date: 15-09-2014 TO 27-09-2014

A.Y:- 2014-15

STUDENT ATTENDANCE FOR ROBOTICS CERTIFICATE PROGRAM

S.No	ROLL TICKET NUMBER	STUDENT NAME	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	14-Oct	15-Oct	16-Oct	17-Oct
1	115U1A0301	A PAVAN KUMAR	P	P	A	P	P	P	P	A	P	P	P
2	115U1A0302	AJIT KUMAR SINGH	P	P	P	P	P	P	A	P	P	P	P
3	115U1A0304	APPAMI UMASHANKAR	A	P	P	P	P	P	P	P	P	P	A
4	115U1A0305	ARRABOLLU YAJUN	P	P	P	P	A	P	A	P	P	P	P
5	115U1A0310	BYRAMONI SWETHAVAHAN	P	P	P	P	P	A	P	P	P	P	P
6	115U1A0312	CHIRUMALLA MANOJ	P	A	P	P	P	P	P	P	P	A	P
7	115U1A0313	DACIA NARENDER MAYUR KUMAR	P	P	P	P	P	P	P	P	A	P	P
8	115U1A0316	GEENURALA HEMANT H	P	P	P	P	P	P	P	P	P	P	P
9	115U1A0318	GUIDE SAIRAM	A	P	P	P	P	P	P	P	P	P	A
10	115U1A0319	GURRAM VINOD REDDY	P	P	P	P	P	A	P	P	P	P	P
11	115U1A0320	K ARAVIND KUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P
12	115U1A0321	K PRADEEP REDDY	P	P	P	P	P	A	P	P	P	P	P
13	115U1A0322	KALLURU REVANTHI REDDY	P	A	P	P	P	P	P	P	P	P	P
14	115U1A0323	KATKAM CHARAN	A	P	P	P	P	P	A	P	P	P	P
15	115U1A0324	KINNERA VIVEK KUMAR	P	P	P	P	P	P	P	P	P	P	P
16	115U1A0326	KUNUTHURU NAVEENKUMAR	P	P	P	P	P	P	P	A	P	P	P
17	115U1A0329	MANGA RAVIKUMAR	P	P	P	P	P	P	P	P	P	P	P
18	115U1A0331	MANYAM RAMAKRISHNA	P	P	P	P	P	P	P	P	P	P	P
19	115U1A0333	NEDUNOOR SANTHOSH KUMAR	P	P	A	P	P	P	P	P	P	P	P
20	115U1A0336	P PRASHANTH	P	P	P	P	P	P	A	P	P	P	P
21	115U1A0337	P THARUN REDDY	P	P	P	P	P	P	P	P	P	P	P
22	115U1A0340	R BALA SUBRAMANYAM GOUTHAM	A	P	P	P	P	P	P	P	P	P	P
23	115U1A0343	SAI RAM BELIDE	P	P	P	P	P	A	P	P	P	P	P
24	115U1A0344	SAMREDDY RAJA SHEKAR REDDY	P	P	P	P	P	P	P	P	P	P	P
25	115U1A0345	SEETHIRAJU SAIKOUSHIK	P	P	P	P	P	P	P	P	P	P	P
26	115U1A0347	SUDHEER KUMAR YADAV	P	P	P	P	P	P	P	P	A	P	P
27	115U1A0351	VUPPU PRASANNA KUMAR	P	P	P	P	P	P	A	P	P	P	P

AVN Institute of Engineering & Technology
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Ibrahimbatham (M), R.R.



Biological E. Limited
Celebrating Life Every Day

CERTIFICATE

TWO WEEK CERTIFICATION COURSE ON
"Robotics" 15th sept to 27th sept 2014

This is to certify that N. JAGADEESH, 115U1A0177of

..... AVNIET has attended

a 2 Week/Day Certification Course on ROBOTICS

at AVN Institute of Engineering & Technology ..



[Signature]
MANAGER

[Handwritten mark]

Principal
AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M), R.R. A.



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Department of Mechanical Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name : Mr.SRINIVASAN

Course Name & Topic Name : ROBOTICS

Department : Mechanical Engineering

Academic year : 2014-15

Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

At the end of the programme the students will have

- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
- PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
- PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
- PO5. Ability to function on multidisciplinary teams.
- PO6. Ability to identify, formulate, and solves engineering problems.
- PO7. Understanding of professional and ethical responsibility.
- PO8. Ability to communicate effectively.
- PO9. Understanding the impact of engineering solutions.
- PO10. Ability to recognize the need and to engage in life-long learning.
- PO11. Knowledge of contemporary issues.
- PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

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AVN Institute of Engineering & Technology

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Ranga Reddy Dist - 501 510

Ph: 08415 201345, 92461 72317

S.No	HALTTICKET NUMBER	STUDENT NAME	POS	5	4	3	2	1	SIGNATURE
1	115U1A0301	A PAVAN KUMAR	Pol, P10						A. Pavan
2	115U1A0302	AJIT KUMAR SINGH	Pol, P12						Ajit
3	115U1A0304	APPAM UMASHANKAR	Pol, Post						Umesh
4	115U1A0305	ARRABOLLU YAHUN	Pol, P10						Yahun
5	115U1A0310	BYRAMONI SWETHAVAHAN	Pol, P12						S. Swetha
6	115U1A0312	CHIRUMALLA MANOJ	Pol, P12						Manoj
7	115U1A0313	DACHA NARENDER MAYUR KUMAR	Pol, P10						D. Narend
8	115U1A0316	GEENURALA HEMANT H	Pol, P12						Hemant
9	115U1A0318	GUDE SAIRAM	Pol, P12						Sairam
10	115U1A0319	GURRAM VINOD REDDY	Pol, P10						Vinod
11	115U1A0320	K ARAVIND KUMAR REDDY	Pol, Post						A. Aravind
12	115U1A0321	K PRADEEP REDDY	Pol, P10						K. Pradeep
13	115U1A0322	KALLURU REVANTHI REDDY	Pol, P12						R. Revathi
14	115U1A0323	KATKAM CHARAN	Pol, P12						K. Charan
15	115U1A0324	KINNERA VIVEK KUMAR	Pol, P10						K. Vivek
16	115U1A0326	KUNUTHURU NAVEENKUMAR	Pol, Post						N. Naveen
17	115U1A0329	MANGA RAVIKUMAR	Pol, P10						M. Ravik
18	115U1A0331	MANYAM RAMAKRISHNA	Pol, P12						M. Ramak
19	115U1A0333	NEDUNOOR SANTHOSH KUMAR	Pol, P10						N. Santosh
20	115U1A0336	P PRASHANTH	Pol, P12						P. Prashan
21	115U1A0337	P THARUN REDDY	Pol, P10						P. Tharun
22	115U1A0340	R BALA SUBRAMANYAM GOUTHAM	Pol, Post						R. Balasub
23	115U1A0343	SAI RAM BELIDE	Pol, P10						S. Ram Bel
24	115U1A0344	SAMREDDY RAJA SHEKAR REDDY	Pol, P12						S. Ram Reddy
25	115U1A0345	SEETHIRAJU SAIKOUSHIK	Pol, P10						S. Seethiraj
26	115U1A0347	SUDHEER KUMAR YADAV	Pol, P10						S. Sudheer
27	115U1A0351	VUPPU PRASANNA KUMAR	Pol, P12						V. Prasan
28	115U1A0352	Y MANISH KUMAR GUPTHA	Pol, Post						Y. Manish
29	115U1A0354	AJMAIR BIN ABDUL KHADER YAMANI	Pol, P10						A. Ajmair
30	115U1A0355	ATLURI SAI RAM	Pol, P12						A. Sai Ram
31	115U1A0356	AYYALASOMAYAJULA SAIMADHAV	Pol, P12						A. Saimadhav
32	115U1A0357	BATTU MAHODAY REDDY	Pol, P12						B. Mahoday

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Ibrahimpatnam (M), R.R.



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CERTIFICATE

**TWO WEEK CERTIFICATION COURSE ON
"Robotics" 15th sept to 27th sept 2014**

This is to certify that **P. PRAE HANTH** , **115U1A2336** of

..... **AVNIET**

..... has attended

a **2** Week/Day Certification Course on **ROBOTICS**

at AVN Institute of Engineering & Technology ..



MANAGER

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M) R R



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CERTIFICATE

**TWO WEEK CERTIFICATION COURSE ON
"Robotics" 15th sept to 27th sept 2014**

This is to certify that A. SRI RAM, 1501A0355 of

AVNIES has attended

a 2 Week/Day Certification Course on ROBOTICS at AVN Institute of Engineering & Technology ..




MANAGER

PRINCIPAL
AVN Institute of Engineering & Technology
Mangalpatly (V), Patelguda (M.P.),
Ibrahimpatnam (M. R. R.)



AVN Institute of Engineering & Technology

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Department of Mechanical Engineering

Date: 22/12/2014


CIRCULAR

All the B.Tech Mechanical 3rd year students are hereby informed that, a Two Week Certificate program on "Manufacturing Process Planning" will be conducted on 29/12/2014 to 11/01/2015. All are requested register the program.

Copy to:

1. Office
2. Class In charge's
3. To be circulated in all class rooms


H O D


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Institute of Engineering & Technology,
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Ibrahimpatnam (M), R.R.



AVN Institute of Engineering & Technology

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M)
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avn.principal@gmail.comwww.avniet.ac.in

Department of Mechanical Engineering

AVNIET/ME/2014-15/ODD/CP/02

DATE: 10.12.2014

From:

Mr.G.SRIKANTH REDDY,
Asst. professor,
Department of ME,
AVNIET-lbp.

To

The Principal,
AVN Institute of Engineering and Technology.
Hyderabad-501510.

Sir,

Sub: permission for conducting certificate program on “Manufacturing Process Planning” -Reg:-

We have planned to conduct a certificate program on Manufacturing Process Planning in the academic year 2014-15 for 3rd Year students of mechanical engineering department from 29.12.2014 to 11.01.2015 .Herewith We have enclosed the schedule and syllabus for the same We request you to grant us permission to conduct the program.

Thank you.

Coordinator

HOD/ME

PRINCIPAL

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Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M). R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: MPP

Date: 29-12-2014 TO 11-01-2015

A.Y:- 2014-15


STUDENT ATTENDANCE FOR MPP CERTIFICATE PROGRAM

S.No	HALLTICKET NUMBER	STUDENT NAME	SIGNATURE
1	125U1A0302	A BHARATHI REDDY	A. Bharathi Reddy
2	125U1A0303	A CHANDRA SHEKAR	A. Chandrasekar
3	125U1A0304	A RAHUL BHARGAVA RAJU	Rahul
4	125U1A0305	A MADHUKAR REDDY	A. Madhukar
5	125U1A0310	BANNA DURGA PRASAD	Banna Durga Prasad
6	125U1A0312	BOLLOJU NARENDRA	B. Narendran
7	125U1A0313	BOMMA BRIJENDRA REDDY	B. Brijendra
8	125U1A0314	BORRA PRUTHVI RAJ	Pruthvi
9	125U1A0316	D RAVIKUMAR REDDY	Ravi Kumar
10	125U1A0317	VEERAMALLA VINEETH	V. Vineeth
11	125U1A0318	DASARLA RAVI KUMAR	D. Ravi Kumar
12	125U1A0319	E RAVIKUMAR NAYAK	E. Ravi Kumar
13	125U1A0320	G GOUTHAM	G. Goutham
14	125U1A0325	GUGULOTHU VINOD NIAK	G. Vinod
15	125U1A0326	GURRAM RAVI KUMAR	G. Ravi Kumar
16	125U1A0327	J BHAVYA	J. Bhavya
17	125U1A0329	JETTI HAREESH	J. Hareesh
18	125U1A0330	K DEEPTHI	K. Deepthi
19	125U1A0331	K NARESH	K. Nareesh
20	125U1A0334	K CHINNA RAYUDU	K. Chinna Rayudu
21	125U1A0335	KADARI SRINIVAS	K. Srinivas
22	125U1A0337	KESHAVULA RAHUL	Rahul
23	125U1A0338	LINGOJU SHRAVAN KUMAR	L. Shraavan
24	125U1A0339	MANNE SWATHI	M. Swathi
25	125U1A0342	NRAKESH	N. Rakesh
26	125U1A0343	NAKKEERAN BHARADWAJ	N. Bhadarwaj
27	125U1A0344	P HARI KRISHNA	P. Hari Krishna
28	125U1A0345	P JATINVARDHAN REDDY	P. Jatinvaradhan
29	125U1A0347	PAKEERU SANDEEP REDDY	P. Sandeep
30	125U1A0348	PALURI EDUKONDALU	P. Edukondalu
31	125U1A0351	S VINOD KUMAR	S. Vinod
32	125U1A0352	S RAVI KIRAN	S. Ravi Kiran
33	125U1A0353	SEELAM SAGAR	S. Sagar
34	125U1A0354	SURINENI JAGADEESH	S. Jagadeesh
35	125U1A0355	T SRIKANTH	T. Srikanth
36	125U1A0356	THUMMALAPENTA SHEKAR BABU	T. Shekar Babu
37	125U1A0362	B SANDEEP	B. Sandeep
38	125U1A0364	BIKKUMALLA SANDEEP	B. Sandeep
39	125U1A0365	D AKSHAI KUMAR	D. Akshai
40	125U1A0366	GARLAPALLY NISHITH RAJ	G. Nishith
41	125U1A0373	K CHAITANYA VARMA	K. Chaitanya

PRINCIPAL
 AVN Institute of Engineering & Technology
 Mangalpally (V), Patalguda (MP),
 Ibrahimpatnam (M) R.R.

42	125U1A0374	KDINESH REDDY	K. Dinesh Reddy
43	125U1A0375	KMUKESH KUMAR	K. Mukesh Kumar
44	125U1A0376	KANNAPURAM SAI KIRAN GOUD	K. S. Kannapuram Goud
45	125U1A0382	MAHMOOD UL HASSAN	M. Mahmood Ul Hassan
46	125U1A0383	MARAM SRISAI	M. S. Maram
47	125U1A0384	MATTI SRIKANTH REDDY	M. S. Matti Srikanth Reddy
48	125U1A0390	N HANUMAN	N. Hanuman
49	125U1A0391	P DINESH KUMAR	P. Dinesh Kumar
50	125U1A0392	P M GANESH	P. M. Ganesh
51	125U1A0393	P SAI SHIVA RAJU	P. Sai Shiva Raju
52	125U1A0394	P SANTOSH	P. Santosh
53	125U1A0395	P NIKHIL REDDY	P. Nikhil Reddy
54	125U1A0397	RENUKUNTA BALA SHIVA	R. S. Renukunta Bala Shiva
55	125U1A0398	S SAI KUMAR	S. S. Sai Kumar
56	125U1A03A4	T AKHIL REDDY	T. Akhil Reddy
57	125U1A03A5	T CHANDRA SHEKAR	T. Chandrashekar
58	125U1A03A6	ULLI ASHOK KUMAR	U. Ashok Kumar
59	125U1A03A7	V SAI KRISHNA CHAITANYA	V. S. Krishna Chaitanya
60	135U5A0301	AMBATI RAMAKRISHNA REDDY	A. R. Ambati Ramakrishna Reddy
61	135U5A0302	J RAJU	J. Raju
62	135U5A0303	MOHAMMED ABDUL MAJEED	M. A. Mohammed Abdul Majeed


HOD


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Ibrahimpattinam (M), R.R.



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avn.principal@gmail.com www.avniet.ac.in

Department of Mechanical Engineering

Report On Certificate Program on MPP Organized By Mechanical Department:

The department of Mechanical Engineering has organized a certificate program on Manufacturing Process Planning in association with MRF CHENNAI.

This program was started with an inauguration ceremony by Principal Dr.J.Govardhan by MR. G.NARAYANAN Technical partner, MRF CHENNAI. On 29/12/2014 at Mechanical Seminar Hall.

The session was continued by MR. G.NARAYANAN who began with an Introduction to Manufacturing, the session was so interesting to know about new things about advanced techniques in manufacturing.

He appreciated Faculty members, student's volunteers and participants for the successful conduction of the event. 62 members of III Year Students of Mechanical Engineering department have attended for the program. It's conducted from 29-12-2014 to 11-01-2015

Co-Ordinator

HOD

PRINCIPAL

AVN Institute of Engineering & Technology
Mangalpally (V), Patelguda (MP),
Ibrahimpatnam (M). R.R.

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

Name of Course: MPP

Date: 29-12-2014 TO 11-01-2015

A.Y:- 2014-15

STUDENT ATTENDANCE FOR MPP CERTIFICATE PROGRAM


S.No	ROLL TICKET NUMBER	STUDENT NAME	29-Dec	30-Dec	2-Jan	3-Jan	4-Jan	6-Jan	7-Jan	8-Jan	9-Jan	10-Jan	11-Jan
1	125UIA0302	A BIARATH REDDY	P	P	P	P	A	P	P	P	P	P	P
2	125UIA0303	A CHANDRA SHEKAR	P	P	A	P	P	P	P	P	P	P	P
3	125UIA0304	A RAHUL BIARGAVA RAJU	P	P	P	P	P	P	P	P	P	P	P
4	125UIA0305	A MADIUKAR REDDY	P	P	P	P	P	P	P	P	P	P	P
5	125UIA0310	BANNA DURGA PRASAD	P	P	P	P	P	P	P	P	P	P	P
6	125UIA0312	BOLLOU NARENDRA	P	P	P	P	P	P	P	P	P	P	P
7	125UIA0313	BONIMA BRIJENDRA REDDY	A	P	P	P	P	P	P	P	P	P	P
8	125UIA0314	BORRA PRUTHVI RAJ	P	P	P	P	P	P	P	P	P	P	P
9	125UIA0316	D RAVIKUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P
10	125UIA0317	VEERAMALLA VINEETHI	P	P	P	P	P	P	P	P	P	P	P
11	125UIA0318	DASARLA RAVI KUMAR	P	P	P	P	P	P	P	P	P	P	P
12	125UIA0319	E RAVIKUMAR NAYAK	P	P	P	P	P	P	P	P	P	P	P
13	125UIA0320	G GOUTHAM	P	P	P	P	P	P	P	P	P	P	P
14	125UIA0325	GUGULOTHU VINOD NIAK	P	P	P	P	P	P	P	P	P	P	P
15	125UIA0326	GURRAM RAVI KUMAR	P	P	P	P	P	P	P	P	P	P	P
16	125UIA0327	J BHAVYA	P	P	P	P	P	P	P	P	P	P	P
17	125UIA0329	JETTI HARESHI	P	P	P	P	P	P	P	P	P	P	P
18	125UIA0330	K DEEPTHI	P	P	P	P	P	P	P	P	P	P	P
19	125UIA0331	K NARESH	P	P	P	P	P	P	P	P	P	P	P
20	125UIA0334	K CHINNA RAYUDU	P	P	P	P	P	P	P	P	P	P	P
21	125UIA0335	KADARI SRINIVAS	P	P	P	P	P	P	P	P	P	P	P
22	125UIA0337	KESHAVULA RAHUL	P	P	P	P	P	P	P	P	P	P	P
23	125UIA0338	LINGOJU SHRAVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P
24	125UIA0339	MANNE SWATHI	P	P	P	P	P	P	P	P	P	P	P
25	125UIA0342	NRAKESHI	P	P	P	P	P	P	P	P	P	P	P
26	125UIA0343	NAKKEERAN BIARADWAI	P	P	P	P	P	P	P	P	P	P	P
27	125UIA0344	PIHARI KRISHNA	P	P	P	P	P	P	P	P	P	P	P

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Ibrahimpattanam (M), P.R.

61	135U5A0302	J RAJU		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	135U5A0303	MOHAMMED ABDUL MAJEED	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P


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Ibrahimpatnam (M). R.R



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Department of Mechanical Engineering CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name : Mr. G.NARAYANAN
Course Name & Topic Name : Manufacturing Process Planning
Department : Mechanical Engineering
Academic year : 2014-15
Score each of the following aspects of the presentation on the scale 1 to 5 (5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

Programme Outcomes (POs)

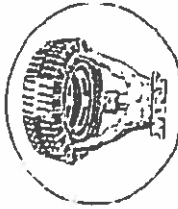
- At the end of the programme the students will have
- PO1. Ability to apply knowledge of mathematics, science and engineering principles to the problems in the domain of Mechanical Engineering.
 - PO2. Ability to design and conduct experiments, as well as to analyze and interpret data.
 - PO3. Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
 - PO4. Ability to design a system, component, or process to meet desired goals of the mechanical engineering considering environmental, social, and ethical aspects.
 - PO5. Ability to function on multidisciplinary teams.
 - PO6. Ability to identify, formulate, and solve engineering problems.
 - PO7. Understanding of professional and ethical responsibility.
 - PO8. Ability to communicate effectively.
 - PO9. Understanding the impact of engineering solutions.
 - PO10. Ability to recognize the need and to engage in life-long learning.
 - PO11. Knowledge of contemporary issues.
 - PO12. Ability to manage the projects and enhance research through engineering and management fundamentals.

S.No	HALL TICKET NUMBER	STUDENT NAME	PO'S	5	4	3	2	1	SIGNATURE
1	125UIA0302	A BHARATH REDDY	P ₀₁ , P ₀₃		✓		PRINCIPAL		

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Ibrahimpatnam (M), P.R.

2	125UIA0303	A CHANDRA SHEKAR	Pol, P1	✓				P. Chetty
3	125UIA0304	A RAHUL BHARGAVA RAJU	Pol, P05	✓				G. Prasad
4	125UIA0305	A MADIJKAR REDDY	Pol, P10	✓				A. Madh
5	125UIA0310	BANNA DURGA PRASAD	Pol, P12	✓				B. Bann
6	125UIA0312	BOLLOJU NARENDRA	Pol, P12	✓				B. N. Bolloju
7	125UIA0313	BOMMA BRIJENDRA REDDY	Pol, P10	✓				B. P. Bomma
8	125UIA0314	BORRA PRUTHVI RAJ	Pol, P12	✓				B. Pruthvi
9	125UIA0316	D RAVIKUMAR REDDY	Pol, P10	✓				D. Ravikumar
10	125UIA0317	VEERAMALLA VINEETH	Pol, P10	✓				N. Veeram
11	125UIA0318	DASARLA RAVI KUMAR	Pol, P12	✓				D. Ravi Kumar
12	125UIA0319	E RAVIKUMAR NAYAK	Pol, P05	✓				E. Ravikumar
13	125UIA0320	G GOUTTIAM	Pol, P10	✓				G. Gowda
14	125UIA0325	GUGULOTHU VINOD NIAK	Pol, P12	✓				G. Vinod
15	125UIA0326	GURRAM RAVI KUMAR	Pol, P10	✓				G. Ravikumar
16	125UIA0327	J BHAVYA	Pol, P10	✓				J. Bhavya
17	125UIA0329	JETTI HAREESH	Pol, P12	✓				J. Hareesh
18	125UIA0330	K DEEPTHI	Pol, P12	✓				K. Deepthi
19	125UIA0331	K NARESH	Pol, P05	✓				K. Nareesh
20	125UIA0334	K CHINNA RAYUDU	Pol, P10	✓				K. Chinna
21	125UIA0335	KADARI SRINIVAS	Pol, P12	✓				K. Kadari
22	125UIA0337	KESHAVULA RAHUL	Pol, P10	✓				K. Keshavula
23	125UIA0338	LINGOJU SHRAVAN KUMAR	Pol, P10	✓				L. Shraavan
24	125UIA0339	MANNE SWATHI	Pol, P10	✓				M. Swathi
25	125UIA0342	NRAKESH	Pol, P12	✓				N. Rakesh
26	125UIA0343	NAKKEERAN BHARADWAJ	Pol, P10	✓				N. Bhara
27	125UIA0344	P HARI KRISHNA	Pol, P05	✓				P. Hari
28	125UIA0345	P JATINVARDHAN REDDY	Pol, P10	✓				P. Jatin
29	125UIA0347	PAKEERU SANDEEP REDDY	Pol, P05	✓				P. Sandeep
30	125UIA0348	PALURI EDUKONDALU	Pol, P10	✓				P. Edukondalu
31	125UIA0351	S VINOD KUMAR	Pol, P10	✓				S. Vinod
32	125UIA0352	S RAVI KIRAN	Pol, P12	✓				S. Ravi
33	125UIA0353	SEELAM SAGAR	Pol, P10	✓				S. Seelam
34	125UIA0354	SURINENI JAGADEESHI	Pol, P12	✓				S. Jagadeeshi

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MRF

CERTIFICATE



2015

TWO WEEKS CERTIFICATION COURSE ON
"MANUFACTURING PROCESS PLANNING"
29th December 2014 to 11th January 2015

This is to certify that T. BHAYYA of
..... AVNIET has attended

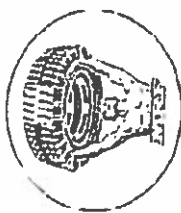
a 2 Week/Day Certification Course on MPP

at AVN Institute of Engineering & Technology, Organized by MRF tyres.



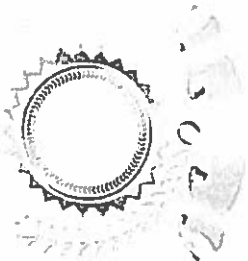
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Ibrahimpatnam (M), R.R.



MRF

CERTIFICATE



TWO WEEKS CERTIFICATION COURSE ON
"MANUFACTURING PROCESS PLANNING"
29th December 2014 to 11th January 2015

This is to certify that M. SRIKANTH REDDY, 125VIA2384of

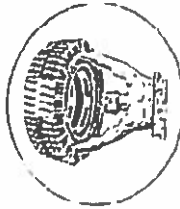
.....A.N.N.I.E.T.....has attended

a ...2... Week/Day Certification Course on M.P.P.

at AVN Institute of Engineering & Technology, Organized by MRF tyres.



(Handwritten signature)
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MRF

CERTIFICATE



2705

TWO WEEKS CERTIFICATION COURSE ON
"MANUFACTURING PROCESS PLANNING"
29th December 2014 to 11th January 2015

This is to certify that A. RAMAKRISHNA REDDY, 13SUS A-301 of
..... AVN IET has attended

a 1 Week/Day Certification Course on MPP

at AVN Institute of Engineering & Technology, Organized by MRF tyres.



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Ph:08415-201345, 92461 72317, avn.principal@gmail.com www.avniet.ac.in

Date:26-08-2015

TO
The Principal,
AVNIET,
Hyderabad,

Sub: Request for conduction of Certificate Course in Department of ECE-Reg.,

Sir,

Department of ECE seeking permission to organize a Certificate Course on
“EMBEDDED AND ROBOTIC SYSTEM” in association with MEPAC³
ENGINEERING SOLUTIONS PVT. LTD from 10/09/2015. The program will be of 45 to
50 hrs duration which includes lectures & Hands-on sessions. Hoping a positive response to
conduct the event.

Thanking you

+

A.V. Khel

HOD

[Signature]

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CIRCULAR

Date: 29-08-2015

All the II, III, IV-B.TECH Students are hereby informed that the department is going to organize a Certificate Course on “EMBEDDED AND ROBOTIC SYSTEM “ from 10th SEPTEMBER 2015 in association with MEPAC³ ENGINEERING SOLUTIONS PVT. LTD. The interested students are informed to register their names in the department office on or before 04th SEPTEMBER 2015.The fee particulars and schedule details of the course are displayed in department notice board.


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Head of the Department
Electronics & Communication Engineering
AVN Institute of Engineering & Technology
Mangalpally (V). Patelguda (MP)
Ibrahimpatnam (M). R R Dist T S



SCHEDULE

Robotics & Embedded Systems

The main focus of course is on giving deep and inside knowledge about Embedded System with Robotics which is a purely industrial application with glimpse of robotics program based on World most popular Arduino Board, where you can learn to make an embedded application and glimpse of few of the most popular robots. This program deals with all students having interest and enthusiasts towards Artificial Intelligence, embedded systems & most emerging field of robotics. This workshop will cover complete knowledge of design, construction and programming concept in making an Embedded based applications, fully automated robot.

Duration

1. For Robotics & Embedded Systems

Robotics & Embedded Systems	
TOPICS	
Theory	<p>Introduction to Robotics</p> <ul style="list-style-type: none"> • Introduction to Extensive Field of ROBOTICS • Application of Robotics: Industrial, Medical, Entertainment. • Introduction to Embedded System • Basics of hardware and software • New and Upcoming Technologies
Theory	<p>Introduction to Manual Robotics</p> <ul style="list-style-type: none"> • Different types of Manual Robots. • Motor Principle explanation. • DPDT connections demystified. • Gear assembly and calculations. • Different types of chassis designing. • Controlling Motors using DPDT. • Concept of different types of competitions, events.
Practical	<ul style="list-style-type: none"> • Manual Robotics practical session • Assembling of a robotic car

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Theory

- Introduction to electronics
- Applications of electronics
- Electronics components explanation
- Voltage divider rule
- Introduction to analog Circuits.
- Introduction to breadboard.

Practical

- Interfacing components like LED, Resistor etc
- Generating different colors from RGB LED
- LDR based Automatic light control.
- Transistor as an amplifier.
- Transistor as a NOT gate.

Theory

- Basic Circuit Development
- Input output processing in electronic circuits
- Operation of Active and Passive components

Practical

- Transistor as a Touch Switch.
- Controlling brightness of LED using potentiometer.
- Interfacing 555IC for LED blink.
- Interfacing 555IC for buzzer beep.

Theory

- Introduction to Autonomous Robots.
- Tangible and Non-tangible interfacing.
- Interaction between real and digital world.
- Concepts of artificial intelligence.
- Introduction to Infrared light.
- Introduction to IR Sensors.
- Op-amp operation.
- Op-amp as a Comparator.

Practical

- Testing of IR sensors.
- Detecting white and black surface with digital IR sensors.
- IR range detection.
- Monitoring analog and digital sensors.

PROJECT

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TOPICS

Theory

- L293D IC Explanation.
- Core of L293D vis-s-vis H- BRIDGE concept.
- Concept of Embedding L293D IC in MOTOR DRIVER shield.

Practical

- Making Connections of L293D IC on BREAD BOARD.
- Driving Motors with L293D on Bread Board.

Theory

- Welcoming LINE FOLLOWER CONCEPT.
- Interface Motor Driver with IR sensor.
- Calibration of IR sensors
 - What is it?
 - Why is it required?

Practical

- Calibrating IR sensors.
- Make your Own LINE FOLLOWER.
- Make your Own OBSTACLE DETECTOR.
- Make your Own EDGE AVOIDER.

Theory

- Microcontrollers and Microprocessor difference
- Introduction to embedded system
- Video sessions on advancements in Technology
- Concepts of hardware and software interface
- Introduction to Arduino
- Arduino IDE and Overview.
- Introduction to different Arduino boards and shields.
- Working on digital and analog signal.
- What is Future Technology Devices International Ltd.(FTDI)
- Microcontroller ATMEGA 328.

Practical


- Introduction to BASIC PROGRAMMING.
- Driver and software installation.
- Better understanding using the 13th pin internal Connection.

Theory


- Introduction to Basic Shield.
- What is the requirement of Basic Shield?
- Operation of Analog and Digital Signals.
- 8 Bit and 10 Bit Concept.

Practical


- Interfacing Basic Shield with Arduino.
- Lighting up several LED's in a Wishful Pattern.
- Working on Switch, BUZZER and implementing with Arduino for better grasping of concepts.

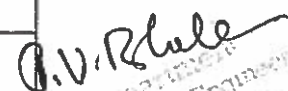

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<p>Theory</p> <ul style="list-style-type: none"> • How to integrate motors through sensors. • Why Arduino required interfacing Motors through Sensors. <p>Practical</p> <ul style="list-style-type: none"> • Interfacing Motors through sensors via Arduino. • Making your own INTELLIGENT LINE FOLLOWER using ARDUINO. • Proper Calibration for efficient line following.
Completion of line follower, obstacle detector, edge avoider
Competition, Doubts & Practical Session
PROJECT
<p>Theory</p> <ul style="list-style-type: none"> • Serial and Parallel Communication. • Hello to Analog I/P and O/P. • Introduction to ADC. <p>Practical</p> <ul style="list-style-type: none"> • Interfacing Potentiometer and LDR with ARDUINO. • Interfacing Motor Driver with ARDUINO. • Speed Control of Motors using PWM.
<p>Theory</p> <ul style="list-style-type: none"> • Introduction to DTMF Technology. • Effectiveness of This Technology. • Several Mobile controlled applications. <p>Practical</p> <ul style="list-style-type: none"> • Integrating DTMF with motors. • Remotely controlling of robots.
<p>Theory</p> <ul style="list-style-type: none"> • Introduction to GSM based technology • Effectiveness of This Technology. • 8870 Decoder IC <p>Practical</p> <ul style="list-style-type: none"> • Integrating DTMF with motors. • Remotely controlling of robots.
<p>Theory</p> <ul style="list-style-type: none"> • Introduction to LCD. • Pin Description of LCD's. • How to interface LCD with ARDUINO. <p>Practical</p> <ul style="list-style-type: none"> • Creating simple animations on LCD. • Scrolling texts on LCD. • Integrating Digital Signals


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Theory <ul style="list-style-type: none"> • Advance LCD Display Patterns • Detailed Explanation of LCD • Different LCD Display Practical <ul style="list-style-type: none"> • Robot Movement Display • Designing Counter on LCD
PROJECT
PROJECT
Theory <ul style="list-style-type: none"> • Seven Segment Display. Practical <ul style="list-style-type: none"> • Making Connections of SSD with Arduino. • Integration of SSD with analog and digital signals. • Digital Clock Designing. • Making Own pattern of Displaying numbers on SSD.
Theory <ul style="list-style-type: none"> • Integrating keypad Matrix with motors • Keypad interfacing with ATMEGA 328 • ON/OFF LED/Motor/Buzzer using linear keypad Practical <ul style="list-style-type: none"> • Password Controlled application – ATM prototype
Theory <ul style="list-style-type: none"> • Understanding Ultrasonic sensor. • Utilizing to detect range or distance. • Range or distance calculations. Practical <ul style="list-style-type: none"> • i n terracing with ARDUINO. • Reading values of Ultrasonic sensor at several points in SERIAL MONITOR.
Theory <ul style="list-style-type: none"> • Advance Concepts of ULTRASONIC SENSOR. • Ultrasonic sensor as a range finder Practical <ul style="list-style-type: none"> • Utilizing the readings for RADAR applications. • Concept of integrating with actuators.
Theory <ul style="list-style-type: none"> • Integrating different Sensors and Actuators • Understanding designing of Advanced Robot Practical <ul style="list-style-type: none"> • Integrating LCD and Robot Car • Integrating Seven Segment Display and Robot Car.
PROJECT
Competition, Doubts & Practical Session


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 Head of the Department
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 Institute of Professional & Technical Education
 Hyderabad



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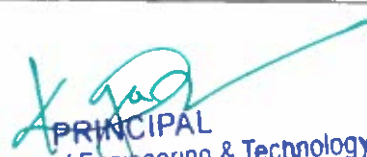
Department of Electronics & Communication Engineering

Students Registered List

Name of Course: Embedded & Robotic system

Date: 10/9/2015

S.No.	Year	Hall Ticket No.	Student Name	Signature
1	II-I	145UIA0404	AMURUTHA DIVYA	A. Divya
2	II-I	145UIA0406	A GOVARDHAN	G. Govardhan
3	II-I	145UIA0408	B RAVIKIRANREDDY	Ravikiran
4	II-I	145UIA0410	B RUSHIKESH	Rushikesh
5	II-I	145UIA0411	B SHIRISHA	Shirisha
6	II-I	145UIA0415	CH DIVYA REDDY	Divya
7	II-I	145UIA0420	CH VENKAT SATHWIK	Venkat Sathwik
8	II-I	145UIA0421	CH NISHITHA GUPTA	Nishitha
9	II-I	145UIA0425	D SAIJYOTHI	Saijyothi
10	II-I	145UIA0433	K VARSHINI	K. Varshini
11	II-I	145UIA0439	K ANJANI DURGA	Anjani
12	II-I	145UIA0440	K SWATHI	Swathi
13	II-I	145UIA0442	K SINDHU	Sindhu
14	II-I	145UIA0474	P GOPI KISHORE	Gopi
15	II-I	145UIA0476	P NITHEESH BHARADWAJ	Nitheesh
16	II-I	145UIA0477	P MONALI	Monali
17	III-I	135UIA0416	G SAI TEJA	Sai Teja
18	III-I	135UIA0418	G VIDYA	Vidya
19	III-I	135UIA0419	G SUSHMA	Sushma
20	III-I	135UIA0420	G BHAVYA	Bhavya
21	III-I	135UIA0422	G SAIKRISHNA	Saikrishna


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22	III-I	I35U1A0425	J NAIDU	J.Naidu
23	III-I	I35U1A0436	K DIVYA REDDY	K.Divya Reddy
24	III-I	I35U1A0438	K MONIKA	K. Monika
25	III-I	I35U1A0441	L SABNA RANI	L. Sabna Rani
26	III-I	I35U1A0443	N SRI SWATHI	N Sri Swathi
27	III-I	I35U1A0445	P MANISHA	P Manisha
28	III-I	I35U1A0446	P RAVI SHANKAR	P Ravi Shankar
29	III-I	I35U1A0447	P RISHITHA	P Rishitha
30	III-I	I35U1A0449	P SHIVA PRASAD	P Shiva Prasad
31	III-I	I35U1A0450	P ABHINAY	P Abhinay
32	III-I	I35U1A0451	P VYASA RAJ	P Vyasa Raj
33	III-I	I35U1A0468	V MANASA	V Manasa
34	III-I	I35U1A0469	V BABY	V Baby
35	IV-I	I25U1A0403	A SRIMUKHI	A Srimumukhi
36	IV-I	I25U1A0405	B ANOOP KUMAR	B Anoop Kumar
37	IV-I	I25U1A0408	B SRIJA	B Srija
38	IV-I	I25U1A0411	CH BHANU TEJA	Ch Bhanu Teja
39	IV-I	I25U1A0414	G OM PRAKASH	G Om Prakash
40	IV-I	I25U1A0416	G SAI KRISHNA	G Sai Krishna
41	IV-I	I25U1A0418	I HARINI SUBHASRI	I Harini Subhasri
42	IV-I	I25U1A0453	B BHAGATH	B Bhagath
43	IV-I	I25U1A0454	B KISHORE	B Kishore
44	IV-I	I25U1A0456	BURA RAHUL KUMAR	Bura Rahul Kumar
45	IV-I	I25U1A0469	K ADITHYA REDDY	K Adithya Reddy
46	IV-I	I25U1A0471	K GOVARDHAN GIRIDHAR	K Govardhan Giridhar
47	IV-I	I25U1A0472	K KUNDAN REDDY	K Kundan Reddy

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48	IV-I	125U1A0481	MKAVYA SREE	<i>Manj. Sree</i>
49	IV-I	125U1A0484	NAKKA RAMYA SREE	<i>Ramya</i>
50	IV-I	125U1A0489	S MAHENDER REDDY	<i>Mahender</i>
51	IV-I	125U1A0490	SKRISHNA CHAITHANYA	

ES
Co-ordinator

P.V. Ravi
HOD

Head of Department
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[Signature]

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Department of Electronics and Communication Engineering

Attendance Sheet

A.Y: 2015-16

Name of Program: Embedded & Robotic System		Attendance Sheet																		
S.No.	Roll Number	Name of Student	Date	10/9	11/9	17/9	18/9	19/9	20/9	21/9	25/9	6/10	11/10	3/10	5/10	9/10	10/10	15/10	17/10	
1	145UIA0404	AMURUTHA DIVYA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	145UIA0406	A GOVARDHAN		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	145UIA0408	B RAVIKIRANREDDY		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	145UIA0410	B RUSHIKESH		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	145UIA0411	B SHIRISHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	145UIA0415	CH DIVYA REDDY		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	145UIA0420	CH VENKAT SATHWIK		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	145UIA0421	CH NISHITHA GUPTA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	145UIA0425	D SAJYOTHI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	145UIA0433	K VARSHINI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	145UIA0439	K ANJANI DURGA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	145UIA0440	K SWATHI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	145UIA0442	K SINDHU		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	145UIA0474	P GOPI KISHORE		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	145UIA0476	P NITHEESH BHARADWAJ		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	145UIA0477	P MONALI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	135UIA0416	G SAI TEJA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	135UIA0418	G VIDYA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	135UIA0419	G SUSHMA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	135UIA0420	G BHAVYA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	135UIA0422	G SAIKRISHNA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	135UIA0425	J NAIDU		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	135UIA0436	K DIVYA REDDY		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	135UIA0438	K MONIKA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	135UIA0441	L SABNA RANI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	135UIA0443	N SRI SWATHI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	135UIA0445	P MANISHA		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Principal
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Report on Program Organized by Department of ECE, AVNIET:

The department of ECE has organized a certificate program on “EMBEDDED AND ROBOTIC SYSTEM” in association with MEPAC³ ENGINEERING SOLUTIONS PVT. LTD. The program was started with an inauguration ceremony by principal Dr.Y. Ellemraj & by Mr.Obedulla Bin Abdulla, Managing Director, Mepac³ Engineering Solutions Pvt. Ltd .

This course is professionally designed to cover Basic as well as Advance aspects of Embedded Systems & Robotics. Each day of training is well planned to provide the Theoretical as well as Practical Knowledge of the module. Each day will come up with New Practical's & Projects which makes the training interesting and exciting.

Time to Time Practical Assignments were provided to the students, which will help them in doing practice at home. Revision Time & Query Sessions were provided to the students which help them in clearing their all previous doubts. Exam also conducted at the end of basic. Project Work was provided to the students, in which students will develop a project of their own choice. This will encourage Innovative Ideas among students. Around 51 students of II, III&IV B.Tech ECE have participated in the certificate course.


Co-ordinator


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CERTIFICATE OF COMPLETION

This is to acknowledge that
C NISHITHA GUPTA (145U1A0421)
Has successfully completed the Certificate Course on
"EMBEDDED SYSTEMS & ROBOTICS"
with **MEPAC³ Engineering Solutions Pvt. Ltd**
from 10 September, 2015 to 24 October, 2015.

For MEPAC³ Engineering Solutions Pvt. Ltd

Name: Obedulla Bin Abdulla

Designation: Managing Director



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Department of Electronics & Communication Engineering

CERTIFICATE PROGRAM FEEDBACK FORM

Speaker Name : Mr. Obedulla Bin Abdulla

Course Name & : Embedded & Robotic System

Department : Electronics & Communication Engineering

Academic year : 2015-16

Score each of the following aspects of the presentation on the scale 1 to 5

(5: Excellent, 4: Good, 3: Average, 2: Needs Improvement, 1: Poor.)

S.No	HALLTICKET NUMBER	STUDENT NAME	5	4	3	2	1
1	145U1A0404	AMURUTHA DIVYA		✓			
2	145U1A0406	A GOVARDHAN		✓			
3	145U1A0408	B RAVIKIRANREDDY			✓		
4	145U1A0410	B RUSHIKESH		✓			
5	145U1A0411	B SHIRISHA			✓		
6	145U1A0415	CH DIVYA REDDY		✓			
7	145U1A0420	CH VENKAT SATHWIK			✓		
8	145U1A0421	CH NISHITHA GUPTA	✓				
9	145U1A0425	D SAIJYOTHI				✓	
10	145U1A0433	K VARSHINI			✓		
11	145U1A0439	K ANJANI DURGA				✓	
12	145U1A0440	K SWATHI		✓			
13	145U1A0442	K SINDHU			✓		
14	145U1A0474	P GOPI KISHORE		✓			
15	145U1A0476	P NITHEESH BHARADWAJ	✓				
16	145U1A0477	P MONALI				✓	
17	135U1A0416	G SAI TEJA		✓			
18	135U1A0418	G VIDYA	✓				
19	135U1A0419	G SUSHMA			✓		
20	135U1A0420	G BHAVYA				✓	
21	135U1A0422	G SAIKRISHNA	✓				
22	135U1A0425	J NAIDU			✓		
23	135U1A0436	K DIVYA REDDY		✓			
24	135U1A0438	K MONIKA				✓	
25	135U1A0441	L SABNA RANI		✓			
26	135U1A0443	N SRI SWATHI			✓		
27	135U1A0445	P MANISHA	✓				
28	135U1A0446	P RAVI SHANKAR		✓			
29	135U1A0447	P RISHITHA				✓	
30	135U1A0449	P SHIVA PRASAD			✓		
31	135U1A0450	P ABHINAY		✓			
32	135U1A0451	P VYASA RAJ					✓
33	135U1A0468	V MANASA	✓				
34	135U1A0469	V BABY				✓	

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35	I25UIA0403	A SRIMUKHI	✓				
36	I25UIA0405	B ANOOP KUMAR			✓		
37	I25UIA0408	B SRIJA		✓			
38	I25UIA0411	CH BHANU TEJA	✓				
39	I25UIA0414	G OM PRAKASH			✓		
40	I25UIA0416	G SAI KRISHNA		✓			
41	I25UIA0418	I HARINI SUBHASRI			✓		
42	I25UIA0453	B BHAGATH		✓			
43	I25UIA0454	B KISHORE			✓		
44	I25UIA0456	BURA RAHUL KUMAR				✓	
45	I25UIA0469	K ADITHYA REDDY		✓			
46	I25UIA0471	K GOVARDHAN GIRIDHAR			✓		
47	I25UIA0472	K KUNDAN REDDY			✓		
48	I25UIA0481	MKAVYA SREE		✓			
49	I25UIA0484	NAKKA RAMYA SREE		✓		✓	
50	I25UIA0489	S MAHENDER REDDY					✓
51	I25UIA0490	SKRISHNA CHAITHANYA			✓		

P.V. Rhee
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