1.2.2 Value added courses (with 30 or more contact hours) offered during 2023-24

S.NO	Name of the Certification/ Value added courses offered in the Academic Year : 2023-24	Start Date	End Date
1	A Two Week Value added course on "Ethical Hacking"	07-08-2023	19-08-2023
2	A Two Week Value added course on "Digitalized land survey using differential global positioning system(DGPS)"	17-08-2023	31-08-2023
3	A Two Week Value added course on "Cloud Computing"	28-08-2023	11-09-2023
4	A Two Week Certificate Program on "BASICS OF ARDUINO"	02-09-2023	16-09-2023
5	A Two Week Value added course on "MATLAB/SIMULINK Programing for Industrial Applications"	18-09-2023	03-10-2023
6	A Two Week Certificate Program on "Ansys Innovation"	18-09-2023	30-09-2023
7	A Two Week Certificate Program on "CATIA V5 R23"	03-10-2023	14-10-2023
8	A Two Week Value added course on "Professional Ethics"	09-10-2023	20-10-2023
9	A Two Week Value added course on "Universal Human Value "	11-12-2023	21-12-2023
10	A Two Week Value added course on "Recent Trends in PLC & HMI"	29-12-2023	11-01-2024
11	A Two Week Value added course on "UI & UX"	05-02-2024	16-02-2024
12	A Two Week Value added course on "3D Printing & its Applications"	07-02-2024	19-02-2024
13	A Two Week Value added course on "Structural Dynamics"	11-03-2024	23-03-2024

PRINCIPAL
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Kapuluppada, Visakhapatnam-530 027.

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CIRCULAR

Date: 07-08-2023

The Department of Civil Engineering has planned to conduct Value Added Course from 17-08-2023 to 31-08-2023 for IV CE students on "DGPS"(Digitalized Land Survey Using Differential Global Positioning System). The duration of the course is 50 Hours. Students from other departments may enroll in the course if it is relevant to their and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online & Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Ms.V.Priyanka

Principal

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Kapuluppada, Visakhapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME/AME	ECE	CSE	BS&H	MBA	MCA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board_Class Room
- IQAC

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: Digitalized Land Survey Using Differential Global Positioning Systems(DGPS)
Course duration	: 30 Hours
Year Offered	: IV Year Students
Course Coordinator	: Ms.Y.Priyanka
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 72
Number of students Appeared	: 72
Number of students Passed	: 72

COURSE OUTCOMES

Students in the course obtain the following outcomes

- Understand the DGPS principles, components,and applications.
- Operate and configure DGPS equipment,collect and process data.
- Conduct differential correction ,analyze results,and ensure accuracy.
- Apply DGPS in various fileds(land surveying,mapping,navigation,deformation,monitoring)

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 01-09-2023

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

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Head of the Department
Department CE
Visakha Institute of Engg. & Tech

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REQUISITION LETTER

Date: 03-08-2023

From
Mrs.V.Bhargavi
Head of the department
Department of Civil Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Civil Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
DGPS	17-08-2023 to 31-08-2023	30 Hrs.	No

Thanking You,

Yours faithfully,

Head of the Department
Department CE
Visakha Institute of Engg. & Tech

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

DGPS - SYLLABUS

Course Objectives:

This course aims to equip students with the knowledge and skills necessary to design, implement, and analyze Differential Global Positioning System (DGPS) surveys. Upon completion of this course, students will be able to understand the principles and components of DGPS technology, operate and configure DGPS equipment, collect and process DGPS data, and apply DGPS in various fields such as land surveying, mapping, navigation, and deformation monitoring. Additionally, students will learn to conduct differential correction, analyze results, and ensure accuracy and precision in positioning. The course will also cover the integration of DGPS with other survey technologies, troubleshooting, and quality control measures.

Course Outcomes: On completion of this course, the students will be able to

- Describe and understand the basics of the ethical hacking). Understand the principles, components, and applications of DGPS technology.
- Operate and configure DGPS equipment, collect and process data, and conduct differential correction.
- Analyze and interpret DGPS data, ensuring accuracy and precision in positioning.
- Apply DGPS in various fields, including land surveying, mapping, navigation, and deformation monitoring.

UNIT I: Introduction to DGPS- Overview of DGPS-History and development of DGPS-Basic principles of GPS and DGPS-Applications of DGPS

UNIT II: DGPS Components and Instrumentation- DGPS receivers and antennas -Signal structures and error sources-Differential correction techniques -- DGPS instrumentation and calibration

UNIT III: Data Collection and Processing-Data collection methods- Data processing software-Differential correction and analysis - Accuracy and precision evaluation

UNIT IV : Applications of DGPS-Land surveying and mapping-Navigation and tracking-Deformation monitoring and geodetic networks-Precision agriculture and environmental monitoring

UNIT V: Integration, Troubleshooting, and Quality Control -Integration with GIS and CAD-Troubleshooting DGPS equipment and software-Data validation and verification: introduction to Hacking – Important Terminologies – Penetration Test – Vulnerability - Quality control measures-Assessments versus Penetration Test – Pre-Engagement – Rules of Engagement -Penetration

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NAAC, Visakhapatnam-530 027

Head of the Department
Department CE
Visakha Institute of Engg. & Tech.

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM: 17-08-2023 to 31-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	20NT1A0101	Dhanesh Pidal	IV Year	CE	D. Pidal
2	20NT1A0102	Jagannadh Sahu	IV Year	CE	Jag Sahu
3	20NT1A0103	K. Rakesh	IV Year	CE	K. Rajesh
4	20NT1A0105	K. Siva Krishna	IV Year	CE	K. Rakesh
5	20NT1A0106	Ganesh	IV Year	CE	Ganesh
6	20NT1A0108	P. Bhaskar	IV Year	CE	P. Bhaskar
7	20NT1A0109	P. Naveen	IV Year	CE	P. Naveen
8	20NT1A0112	Y. Naveen	IV Year	CE	Y. Naveen
9	21NT5A0101	Adreeta Geethanjali	IV Year	CE	A. Geethanjali
10	21NT5A0102	Adari Chanda	IV Year	CE	A. chandu
11	21NT5A0103	Avala Varun Kumar	IV Year	CE	A. Varun kumar
12	21NT5A0104	Bathala Pavan Kumar	IV Year	CE	B. Pavan
13	21NT5A0105	Beesetti Chandu	IV Year	CE	B. chandu
14	21NT5A0106	Bobbili Latha	IV Year	CE	B. Latha
15	21NT5A0107	Bondada Sai Kumar	IV Year	CE	B. Sai kumar
16	21NT5A0108	Boni Subhashree	IV Year	CE	B. subhashree
17	21NT5A0109	Chandaka Sai Lakshmi	IV Year	CE	ch. sai lakshmi
18	21NT5A0110	Chandaka Venkatesh	IV Year	CE	Ch. Venkatesh
19	21NT5A0111	Cheedi Kuparinnd	IV Year	CE	ch. kuparinnd

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
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NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM:17-08-2023 to 31-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
20	21NT5A0112	Chitikelu Purnachandra	IV Year	CE	Ch. Purnachandra
21	21NT5A0113	Dimilli Bhaskarrao	IV Year	CE	D. Bhaskarrao
22	21NT5A0114	Dwarapudi Chandra Sekhar	IV Year	CE	D. chandrasekhar
23	21NT5A0115	Ella Teja	IV Year	CE	E Teja
24	21NT5A0116	Gandreti Sankara Rao	IV Year	CE	G. Sankara Rao
25	21NT5A0117	Gonapa Srujan Kumar	IV Year	CE	Go. Srujan Kumar
26	21NT5A0118	Gondesi Sai Narya	IV Year	CE	G. Sainarayana
27	21NT5A0119	Gundu Syamasundara Rao	IV Year	CE	G. Syamasundara
28	21NT5A0120	Gudivada Tarun Sai Kumar	IV Year	CE	G. Tarun
29	21NT5A0121	Gujjiya Jitendra	IV Year	CE	G. Jitendra
30	21NT5A0122	Kamadhenu Chinna Rao	IV Year	CE	K. Chinna Rao
31	21NT5A0123	Karakalli Talasi	IV Year	CE	K. Talasi
32	21NT5A0124	Kandregula Lakshman	IV Year	CE	K. Lakshman
33	21NT5A0125	Kari Devi	IV Year	CE	K. Devi
34	21NT5A0126	Karri Karthik	IV Year	CE	K. Karthik
35	21NT5A0127	Y. Murali	IV Year	CE	Y. murali
36	21NT5A0128	Koda Jaya Surya	IV Year	CE	K. Jayasurya
37	21NT5A0131	Kondilli Jagadeesh	IV Year	CE	K. Jagadeesh

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM:17-08-2023 to 31-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
38	21NT5A0132	Kongrolu Ramesh	IV Year	CE	Ramesh
39	21NT5A0133	Kotu Pradeep Babu	IV Year	CE	K. Pradeep Babu
40	21NT5A0135	Koyyana Praveen Kumar	IV Year	CE	K. Praveen Kumar
41	21NT5A0137	M.G VinayKumar	IV Year	CE	Vinay
42	21NT5A0138	Maddala Maheeswararao	IV Year	CE	
43	21NT5A0139	Madlori Mahesh Balaguru	IV Year	CE	M. Mahesh Balaguru
44	21NT5A0141	Mudidepu Ramesh	IV Year	CE	Ramesh
45	21NT5A0142	Mukalla Narayana Rao	IV Year	CE	M. Narayana Rao
46	21NT5A0143	Mylapilli Aruna	IV Year	CE	M. Aruna
47	21NT5A0144	Nakkina Sridevi	IV Year	CE	N. Sridevi
48	21NT5A0145	Nallabati Chaitanya	IV Year	CE	N. Chaitanya
49	21NT5A0146	Nanaka Manikyala Rao	IV Year	CE	Nanaka Manikyala Rao
50	21NT5A0149	Patnala Pavan Kumar	IV Year	CE	P. Pavan Kumar
51	21NT5A0150	Podada Monoha	IV Year	CE	P. Monoha
52	21NT5A0151	Penta Krishna Kishore	IV Year	CE	P. Krishna Kishore
53	21NT5A0152	Pradhani Uday Bhaskar	IV Year	CE	P. Uday Bhaskar
54	21NT5A0153	Praveen Kumar Manyaguru	IV Year	CE	P. Praveen Kumar
55	21NT5A0154	Pusarla Mahesh	IV Year	CE	P. Mahesh
56	21NT5A0155	Racha Gayathri	IV Year	CE	R. Gayathri

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM:17-08-2023 to 31-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
57	21NT5A0156	Rambothu Sai Priyanka	IV Year	CE	
58	21NT5A0157	Rapeti Balaji	IV Year	CE	
59	21NT5A0160	Satyala Durgadevi	IV Year	CE	
60	21NT5A0163	Tankala Satyanarayana	IV Year	CE	
61	21NT5A0164	Tulupu Anil	IV Year	CE	
62	21NT5A0165	Vangapandu Suresh	IV Year	CE	
63	21NT5A0166	Vasupalli Kodanda Rao	IV Year	CE	
64	21NT5A0167	Yeduvakula Gangadhar	IV Year	CE	
65	21NT5A0168	A. T. Murikarna Vara Prasad	IV Year	CE	
66	21N15A0169	Andavarapu Teja	IV Year	CE	
67	21NT5A0170	Ankam Harish	IV Year	CE	
68	21NT5A0172	Boncha Parvinajda	IV Year	CE	
69	21NT5A0173	Mamidi Hemudu	IV Year	CE	
70	21NT5A0174	Nabartha Durga Sai	IV Year	CE	
71	21NT5A0176	Panthada Siva Sankar	IV Year	CE	
72	21NT5A0181	G. Sasi Rama Khan	IV Year	CE	

PROGRAM CO-ORDINATOR

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Kapuluppada, Visakhapatnam-530 027

HOD
Head of the Department
Department CE
Visakha Institute of Engg. & Tech.

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM: 17-08-2023 to 31-08-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET												TOTAL
			17/8	18/8	19/8	21/8	22/8	23/8	24/8	25/8	26/8	28/8	29/8	30/8	31/8	
1	20NT1A0101	Dharesh Padal	P	P	A	P	P	A	P	P	P	A	P	P	P	9
2	20NT1A0102	Jagannadh Sahu	P	P	P	P	P	P	A	P	P	P	P	P	A	10
3	20NT1A0103	K. Rakesh	P	P	P	A	P	P	P	P	P	P	P	P	P	11
4	20NT1A0105	K. Siva Krishna	A	P	P	P	A	P	P	A	P	P	A	P	P	9
5	20NT1A0106	Ganesh	P	P	P	P	P	P	P	P	P	A	P	P	P	11
6	20NT1A0108	P. Bhaskar	P	P	P	P	P	P	A	P	P	P	P	A	P	10
7	20NT1A0109	P. Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	11
8	20NT1A0112	Y. Naveen	P	A	P	P	P	P	P	P	P	P	P	P	P	10
9	21NT5A0101	Achanty Geethanjali	P	A	P	P	P	A	P	P	P	P	P	P	P	10
10	21NT5A0102	Adari Chandu	P	P	P	P	P	P	P	P	P	P	P	P	P	12
11	21NT5A0103	Avuthu Varun Kumar	P	P	P	A	P	P	P	P	P	P	P	P	P	11
12	21NT5A0104	Bathula Pavan Kumar	P	P	A	P	P	P	P	P	P	P	P	P	P	11
13	21NT5A0105	Beesetti Chanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	12
14	21NT5A0106	Bobbili Latha	P	P	A	P	P	A	P	P	A	P	P	P	P	9
15	21NT5A0107	Boodatla Sai Kumar	P	P	P	A	P	P	P	P	P	P	P	P	P	11
16	21NT5A0108	Bora Subhamma	P	A	P	P	P	P	A	P	P	P	P	A	P	9
17	21NT5A0109	Chandaka Sai Lakshmi	P	P	P	A	P	P	A	P	P	P	P	P	P	10
18	21NT5A0110	Chandaka Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	12
19	21NT5A0111	Chandi Krupanand	P	P	P	P	P	P	P	P	P	P	P	P	P	12
20	21NT5A0112	Chinnada Punnadandra	A	P	P	P	P	P	P	P	A	P	P	P	P	10
21	21NT5A0113	Donthi Dhankumar	P	P	P	P	P	P	P	P	P	P	P	P	P	12
22	21NT5A0114	Duvvapudi Chandra Sekhar	P	P	P	A	P	P	A	P	P	P	P	A	P	9
23	21NT5A0115	Ella Teja	A	P	P	P	A	P	P	P	A	P	P	P	P	9
24	21NT5A0116	Gantheen Satikara Rao	A	P	P	P	P	A	P	P	A	P	P	P	P	9
25	21NT5A0117	Gonuru Sriram Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	12
26	21NT5A0118	Gorthesi Sai Navya	P	P	P	A	P	P	P	P	A	P	P	P	P	10
27	21NT5A0119	Gowdu Syamasundara Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	12
28	21NT5A0120	Gudivada Tarun Sai Kumar	A	P	P	P	A	P	P	P	A	P	P	P	P	9
29	21NT5A0121	Gudiya Hemalu	P	P	P	P	P	P	P	P	P	P	P	P	P	12
30	21NT5A0122	Kanukollusu Chinna Rao	P	P	A	P	P	P	P	P	P	P	P	P	P	11

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM: 17-08-2023 to 31-08-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET												TOTAL
			17/8												
31	21NTSA0123	Kurakula Tulasi	P	P	P	P	P	A	P	P	P	P	P	P	11
32	21NTSA0124	Kandregula Lakshman	P	P	P	P	P	P	P	P	P	P	P	P	12
33	21NTSA0125	Kuri Devi	P	P	P	P	P	P	P	P	P	P	P	P	12
34	21NTSA0126	Kurri Karthik	A	P	P	P	A	P	P	A	P	P	P	A	8
35	21NTSA0127	Y. Murali	A	A	P	P	P	A	P	P	P	P	A	P	8
36	21NTSA0128	Koda Jaya Surya	P	P	P	P	P	P	P	P	P	P	P	P	12
37	21NTSA0131	Kotabilli Jagadeesh	P	P	P	P	A	P	P	P	A	P	P	A	10
38	21NTSA0132	Kompoora Ramesh	P	P	P	P	P	P	P	P	P	P	P	P	12
39	21NTSA0133	Kota Pradeep Babu	P	P	P	P	P	P	P	P	P	P	P	P	12
40	21NTSA0135	Kóyyana Praveen Kumar	P	P	A	P	P	P	P	P	P	P	P	P	11
41	21NTSA0137	M G Vinaykumar	P	P	P	P	P	P	P	P	P	P	P	P	12
42	21NTSA0138	Machilla Maheswararao	P	P	A	P	P	P	P	P	P	P	P	P	11
43	21NTSA0139	Madiki Mahesh Balagam	P	P	P	A	P	P	P	P	P	P	P	P	11
44	21NTSA0141	Modiboina Ramesh	P	P	P	P	A	P	P	P	P	P	P	P	11
45	21NTSA0142	Mukkella Narayana Rao	P	P	A	P	P	P	P	A	P	P	P	P	10
46	21NTSA0143	Mylapilli Aruna	P	P	P	P	P	P	P	P	P	P	P	P	12
47	21NTSA0144	Naduma Sridevi	A	P	P	P	A	P	P	P	P	A	P	P	9
48	21NTSA0145	Nadiahatti Chantayya	P	P	P	P	A	P	P	P	P	P	P	P	11
49	21NTSA0146	Naidu Manikyalu Rao	P	A	P	P	P	A	P	P	P	A	P	P	9
50	21NTSA0149	Patnala Pavan Kumar	A	P	P	P	P	P	A	P	P	P	P	A	9
51	21NTSA0150	Pedada Mounika	P	P	P	P	A	P	P	P	A	P	P	P	10
52	21NTSA0151	Pasta Krishna Kishore	P	P	P	P	P	P	P	P	P	P	P	P	12
53	21NTSA0152	Pradhani Uday Bhaskar	P	P	P	P	P	P	P	P	P	P	P	P	12
54	21NTSA0153	Praveen Kumar Manugiru	P	P	P	P	A	P	P	P	A	P	P	P	10
55	21NTSA0154	Pusarla Mahesh	A	P	P	P	P	P	P	P	A	P	P	P	9
56	21NTSA0155	Rachia Gayathri	A	P	P	A	P	P	P	A	P	P	P	P	9
57	21NTSA0156	Rambeethu Sai Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	12
58	21NTSA0157	Rupati Bakali	P	P	P	A	P	P	P	P	A	P	P	P	10
59	21NTSA0160	Satyala Durgadevi	P	P	A	P	P	A	P	P	P	P	P	A	9

VISAKHA

Approved by AICTE NEW DELHI

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NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM: 17-08-2023 to 31-08-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET												TOTAL
60	21NTSA0163	Tatikala Satyanarayana													
61	21NTSA0164	Tolagu Anil													
62	21NTSA0165	Vanggamudu Suresh													
63	21NTSA0166	Vanapalli Kodanda Rao													
64	21NTSA0167	Yeduvakula Gangadhar													
65	21NTSA0168	A. T. Manikanta Vara Prasad													
66	21NTSA0169	Andavarapu Teja													
67	21NTSA0170	Ankam Harish													
68	21NTSA0172	Bonepa Parinjeevulu													
69	21NTSA0173	Mamidi Dermidu													
70	21NTSA0174	Nelavelli Durga Sai													
71	21NTSA0176	Purnadu Siva Sankar													
72	21NTSA0181	G. Sai Rama Krishna													
		Total no. of students	72	72	72	72	72	72	72	72	72	72	72	72	
		No. of students present	62	65	64	62	58	59	65	62	60	67	69	63	
		No. of students absent	10	7	8	10	14	13	7	5	12	5	3	9	
		Signature of the staff													

PROGRAM CO-ORDINATOR

HOD

Head of the Department
Department CE
Visakha Institute of Engg. & Tech

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAAC A+ GRADE

ISO

VSPT

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM:17-08-2023 to 31-08-2023

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	20NT1A0101	Dhanush Padal	IV Year	CE	A+
2	20NT1A0102	Jagannadh Sahu	IV Year	CE	O
3	20NT1A0103	K. Rakesh	IV Year	CE	O
4	20NT1A0105	K. Siva Krishna	IV Year	CE	O
5	20NT1A0106	Ganesh	IV Year	CE	O
6	20NT1A0108	P. Bhaskar	IV Year	CE	O
7	20NT1A0109	P. Naveen	IV Year	CE	O
8	20NT1A0112	V. Naveen	IV Year	CE	O
9	21NT5A0101	Achinta Geethanjali	IV Year	CE	A+
10	21NT5A0102	Adari Chandu	IV Year	CE	O
11	21NT5A0103	Awalu Varun Kumar	IV Year	CE	A+
12	21NT5A0104	Bantala Pavan Kumar	IV Year	CE	O
13	21NT5A0105	Beesetti Chandu	IV Year	CE	O
14	21NT5A0109	Bobbili Latha	IV Year	CE	O
15	21NT5A0107	Bonduda Sai Kumar	IV Year	CE	O
16	21NT5A0108	Bora Subhasree	IV Year	CE	O
17	21NT5A0109	Chandalla Sai Lakshmi	IV Year	CE	O
18	21NT5A0110	Chandaka Venkatesh	IV Year	CE	O
19	21NT5A0111	Chandi Satyanand	IV Year	CE	O
20	21NT5A0112	Chilikuri Purnachandra	IV Year	CE	A+
21	21NT5A0113	Dandi Divakaran	IV Year	CE	O
22	21NT5A0114	Devatagadi Chandra Sekhar	IV Year	CE	O
23	21NT5A0115	Ella Teja	IV Year	CE	O
24	21NT5A0116	[illegible]	IV Year	CE	O

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & COS OBTAINED
25	21NT5A0117	Gonuguntla Srujan Kumar	IV Year	CE	O
26	21NT5A0118	Gorrebo Sai Surya	IV Year	CE	O
27	21NT5A0119	Gundu Nanjunagchara Rao	IV Year	CE	O
28	21NT5A0120	Gudiwada Tarun Sai Kumar	IV Year	CE	O
29	21NT5A0121	Gudiya Jitendra	IV Year	CE	O
30	21NT5A0122	Kammidisetti Chinna Rao	IV Year	CE	O
31	21NT5A0123	Kanakala Tulasi	IV Year	CE	A+
32	21NT5A0124	Kandregula Lakshmanu	IV Year	CE	O
33	21NT5A0125	Kari Devi	IV Year	CE	O
34	21NT5A0126	Karri Karthik	IV Year	CE	O
35	21NT5A0127	V. Murali	IV Year	CE	A+
36	21NT5A0128	Kodu Jiva Surya	IV Year	CE	O
37	21NT5A0131	Kondeti Jagadeesh	IV Year	CE	O
38	21NT5A0132	Kotipalli Ramesh	IV Year	CE	O
39	21NT5A0133	Kota Pradeep Babu	IV Year	CE	O
40	21NT5A0135	Koyyana Praveen Kumar	IV Year	CE	O
41	21NT5A0137	M.G Vinaykumar	IV Year	CE	O
42	21NT5A0138	Madduku Maheswararao	IV Year	CE	O
43	21NT5A0139	Madiro Mahesh Balagam	IV Year	CE	A+
44	21NT5A0141	Madidapu Ramesh	IV Year	CE	O
45	21NT5A0142	Mahadu Narayana Rao	IV Year	CE	O
46	21NT5A0143	Mylapilli Anusa	IV Year	CE	O
47	21NT5A0144	Naidana Siddevi	IV Year	CE	A+
48	21NT5A0145	Nallabati Chaitanya	IV Year	CE	O
49	21NT5A0146	Nanaka Manikyalu Raju	IV Year	CE	O
50	21NT5A0149	Penmala Pavan Kumar	IV Year	CE	O
51	21NT5A0150	Pedada Mounika	IV Year	CE	O
52	21NT5A0151	Pirina Krishna Kishore	IV Year	CE	O

55	21NT5A0154	Pesarla Mahesh	IV Year	CE	O
56	21NT5A0155	Racha Gayathri	IV Year	CE	A+
57	21NT5A0156	Rambolhu Sai Priyanka	IV Year	CE	O
58	21NT5A0157	Rapeti Balaji	IV Year	CE	O
59	21NT5A0160	Saryala Durgadevi	IV Year	CE	O
60	21NT5A0163	Yankala Satyanarayana	IV Year	CE	A+
61	21NT5A0164	Yelapu Anil	IV Year	CE	O
62	21NT5A0165	Vanggapandu Suresh	IV Year	CE	O
63	21NT5A0166	Vasupalli Kodanda Rao	IV Year	CE	O
64	21NT5A0167	Yeduvukala Gangadhar	IV Year	CE	O
65	21NT5A0168	A. T. Manikanta Vara Prasad	IV Year	CE	O
66	21NT5A0169	Anidavarapu Teja	IV Year	CE	O
67	21NT5A0170	Ankam Harish	IV Year	CE	A+
68	21NT5A0172	Bocha Parimnaidu	IV Year	CE	O
69	21NT5A0173	Mamidi Dontudu	IV Year	CE	O
70	21NT5A0174	Nekarthi Durga Sai	IV Year	CE	O
71	21NT5A0176	Panthula Siva Sankar	IV Year	CE	A+
72	21NT5A0181	G. Sasi Ratna Kiran	IV Year	CE	A+
No. of students getting more than A+					40
% of students getting more than A+					83.33%

MARKS	20-25	15-19	10-14	5-9	1-4
GRADE	O	A+	A	B+	B

CO - ATTAINMENT: Course is successfully completed with Attainment-2

Head of the Department
Department CE
Visakha Institute of Engg. & Tech.

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

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VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

Head of the Department
Department of EE
Visakha Institute of Engg. & Tech.

NAME OF THE PROGRAM: Value added course on DGPS (Digitalized Land Survey Using Differential Global Positioning System)

DURATION OF THE PROGRAM:17-08-2023 to 31-08-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	17-08-2023	Introduction to DGPS- Overview of DGPS-History and development of DGPS
2	18-08-2023	Basic principles of GPS and DGPS-Applications of DGPS
3	19-08-2023	DGPS Components and Instrumentation- DGPS receivers and antennas -Signal structures and error sources-
4	21-08-2023	Data processing software-Differential correction and analysis - Accuracy and precision evaluation
5	22-08-2023	Data Collection and Processing-Data collection methods
6	23-08-2023	Applications of DGPS-Land surveying and mapping-Navigation and tracking
7	24-08-2023	Integration, Troubleshooting, and Quality Control -Integration with GIS and CAD
8	25-08-2023	Troubleshooting DGPS equipment and software-Data validation and verification-Introduction to Hacking
9	26-08-2023	Important Terminologies – Penetration Test – Vulnerability
10	28-08-2023	Quality control measures-Assessments versus Penetration Test
11	29-08-2023	Pre-Engagement – Rules of Engagement -Penetration
12	30-08-2023	Introduction to HackingImportant Terminologies – Penetration Test – Vulnerability

PROGRAM CO-ORDINATOR

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

HOD
Head of the Department
Department CIE
Visakha Institute of Engg. & Tech

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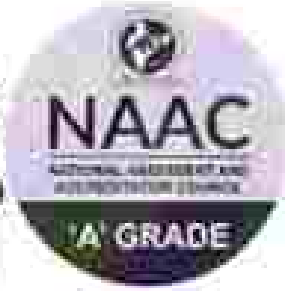
88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA | ENGINEERING | MANAGEMENT



COLLEGE CODE
VSPT

Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. .....of ..... has participated in a ***Two-week Value-Added Course*** *on "**DGPS**", Organized by Department of Civil Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India, during 17th* ***August 2023 to 31st August 2023.***

Program Coordinator	***HOD***	***Principal***
Ms. Y.Priyanka	***Mrs. V. Bhargavi***	***Dr. V. Sridhar Patnaik***

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88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA | ENGINEERING | MANAGEMENT

COLLEGE CODE
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Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. .....of ..... has participated in a ***Two-week Value-Added Course*** *on "**DGPS**", Organized by Department of Civil Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India, during 17th* ***August 2023 to 31st August 2023.***

Program Coordinator	***HOD***	***Principal***
Ms. Y.Priyanka	***Mrs. V. Bhargavi***	***Dr. V. Sridhar Patnaik***

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

Visakha Institute of Engineering & Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students.The college is located in serene and pollution free environment at Nacharla Jn. from Gopalapatnam and Adi Port. The campus is spread over 10acres of scenic landscapedwith a an ideal place.

ABOUT THE DEPARTMENT:

The Department of **Civil Engineering** was established in the year 2009 with an initial sanctioned strength of 120. The P.G. Program in Structural engineering was started in 2015 with an intake of 36 students. Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment. The primary focus of the department is to become a center of excellence in the field of Civil Engineering and to create outstanding engineers with advanced teaching techniques and learning aids for undergraduate students.

The department has well-fledged laboratories with the latest machines and instruments to support the syllabi and promote research & consultancy. The department is having MOUs with various reputed central government organizations and private organizations.

ABOUT THE TWO WEEK CERTIFICATE PROGRAM

This two week certificate program on "Digitalized Land Survey Using Differential Global Positioning System (DGPS)" is to introduce fundamental knowledge DGPS its better understanding and DGPS is a used to conduct field surveys in short span compared to total station equipment. It is advanced equipment which does not require surveyor or assistance to be available at the instrument station. Once the instrument placed in a station survey can be conducted all around until a radius of 50 km.

CONTENTS OF THE TWO WEEK CERTIFICATE PROGRAM:

- Introduction to DGPS
- Basics of DGPS
- DGPS Instrument Set Up
- Marking Station Points And Conducting Area Survey
- Digital Image Processing
- Geographical Information System
- Global Navigation Satellite System
- Customization of Geospatial Tools
- Applications of DGPS

RESOURCE PERSON:

Mr.G.Hemanth Kumar
Service Engineer, Lawrence& May
Visakhapatnam.
Email id:
vizag1mg@lawrenceandmayo.co.i

ORGANIZING COMMITTEE:

Ms.Y.Priyanka

Mr.P.Rajkumar

Mr.S.Avinash

Mr.L.Jagan Kumar

Mr.Ch.Sai Kumar

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FEEDBACK FORM

Name of the Student	Course Title	Date
Y. Naveen	DGPS	31-05-2023

- For each of the following areas, please indicate your reaction

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.	✓			
3	The instructor presented course material in a clear manner that facilitated understanding	✓	✓		
4	This class has increased my interest in this field of study		✓		
5	The readings were appropriate to the goals of the course.	✓			
6	I have put a great deal of effort into advancing my learning in this course	✓			
7	I would highly recommend this course to other students	✓			
8	The grading practices were fair.	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory
Any Other Suggestion:

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DEPARTMENT OF CIVIL ENGINEERING

ASSESSMENT SHEET

Year/SEM: IV / I
Course Type: VALUE ADDED COURSE
Course Name: HSPS(Highschool Land Survey Using Differential Global Positioning System)
A.Y: 2023-2024
Branch: CE
Duration: 30 Mins
Maximum Marks: 25 M
H.T. No.

Marks Obtained: 22

2	0	N	T	1	A	0	1	0	L

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 2 MARKS

ANS	QUESTIONS	ANSWERS
1	What is the primary purpose of DGPS? a) To provide location information b) To correct GPS signal errors c) To enhance GPS signal strength d) To reduce GPS signal noise	(B)
2	Which of the following is a type of DGPS correction method? a) Wide Area Augmentation System (WAAS) b) Local Area Augmentation System (LAAS) c) Real-Time Kinematic (RTK) d) All of the above	(D)
3	What is the typical accuracy of DGPS? a) 1-5 meters b) 10-50 meters c) 0.1-1 meter d) 100-500 meters	(C)
4	What is the primary advantage of RTK positioning? a) Increased accuracy b) Reduced cost c) Improved signal strength d) Enhanced reliability	(A)
5	Which of the following surveying techniques uses DGPS? a) Traverse surveying b) Triangulation surveying c) Real-Time Kinematic (RTK) surveying d) All of the above	(C)
6	What is the purpose of data quality in precision surveying? a) To record notes b) To capture pictures c) To visualize data d) To measure time	(A)
7	What type of antenna is commonly used in DGPS equipment? a) Patch antenna b) Helical antenna c) Quad antenna d) Log antenna	(A)
8	What is the purpose of antenna calibration in DGPS? a) To improve accuracy b) To reduce noise c) To enhance signal strength d) To ensure measurement performance	(D)
9	Which of the following DGPS receivers is commonly used? a) Trimble b) Leica c) Garmin d) All of the above	(D)
10	Which of the following applications uses DGPS? a) Land boundary surveying b) Topographic mapping	(A)

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	c) Improved reliability d) Enhanced reliability	(A)
12	Which industry uses DGPS for precision surveying? a) Construction b) Mining c) Agriculture d) All of the above	(D)
13	What is the primary purpose of error correction in DGPS systems? a) To increase data rates b) To increase data range c) To reduce measurement d) To reduce processing	(D)
14	Which DGPS correction method provides real-time corrections? a) Wide Area Augmentation System (WAAS) b) Local Area Augmentation System (LAAS) c) Real-Time Kinematic (RTK) d) Post-Processing Kinematic (PPK)	(A)
15	What is the typical baseline length for RTK surveying? a) 1-5 km b) 5-10 km c) 10-20 km d) 20-30 km	(C)
16	Which surveying technique uses both GPS and terrestrial measurements?	(A)
	a) Integrated Surveying b) Conventional Surveying c) Hybrid Surveying d) Supplemental Surveying	
17	What is the role of DGPS in construction surveying? a) Measurement b) Mapping c) Both a and b d) All of the above	(C)
18	Which of the following is a limitation of DGPS in land surveying?	(D)
	a) Signal multipath b) Satellite geometry c) Atmospheric interference d) All of the above	
19	What is the primary benefit of using DGPS in topographic mapping?	(D)
	a) Increased accuracy b) Increased efficiency c) Reduced costs d) Enhanced flexibility	
20	Which type of DGPS accuracy is commonly used for precision surveying?	(D)
	a) Centimeter-grade accuracy b) Decimeter-grade accuracy c) Meter-grade accuracy d) Kilometer-grade accuracy	
21	What is the primary function of a Differential GPS (DGPS) receiver?	(C)
	a) To transmit correction signals b) To receive GPS signals c) To calculate position accuracy d) To amplify GPS signals	
22	Which of the following is a type of DGPS correction method?	(D)
	a) Wide Area Augmentation System (WAAS) b) Local Area Augmentation System (LAAS) c) Real-Time Kinematic (RTK) d) All of the above	
23	What is the typical accuracy of DGPS positioning?	(A)
	a) 1-5 meters b) 5-10 meters c) 10-50 meters d) 1-2 km	
24	Which of the following is a limitation of DGPS?	(A)
	a) Multipath interference b) Satellite geometry c) Atmospheric delay d) All of the above	
25	What is the purpose of a Reference Station in DGPS?	(B)
	a) To transmit correction signals b) To receive GPS signals c) To calculate position accuracy d) To monitor satellite health	

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CIRCULAR

Date: 04-03-2024

The Department of Civil Engineering has planned to conduct Value Added Course from 11-03-2024 to 23-03-2024 for III CE students on "Structural Dynamics". The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online & Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Ms.Y.Priyanka

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME	ECE	CSE	BS&H	MBA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board_Class Room
- IQAC

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DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: Structural Dynamics
Course duration	: 30 Hours
Year Offered	: III Year Students
Course Coordinator	: Ms.Y.Priyanka
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 32
Number of students Appeared	: 32
Number of students Passed	: 32

COURSE OUTCOMES

Students in the course obtain the following outcomes.

- Analyze dynamic responses of structures subjected to various loading conditions.
- Design structures to resist dynamic loads using appropriate materials and systems.
- Apply numerical methods to solve structural dynamic problems.
- Assess structural stability and vulnerability under dynamic loading conditions.

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 26-03-2024

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

PROGRAM CO-ORDINATOR

HOD

Head of the Department
Department CE
Visakha Institute of Engg. & Tech.

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REQUISITION LETTER

Date: 01-03-2024

From,
Mrs. V.Bhargavi
Head of the department
Department of civil Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Civil Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
Structural Dynamics	11-03-2024 to 23-03-2024.	30 Hrs.	No

Thanking You,

Yours faithfully,

Head of the Department
Department CE
Visakha Institute of Engg. & Tech

STRUCTURAL DYNAMICS - SYLLABUS

Course Objectives

This course on structural dynamics aims to provide students with a comprehensive understanding of the fundamental principles of structural dynamics and vibration. Upon completion students will be able to analyze dynamic responses of structures subjected to various loading conditions ,design and optimize structures for dynamic loads including seismic and wind forces ,and apply numerical methods and software tools for dynamic analysis and simulation ,additionally,students will gain expertise in evaluating structural stability and vulnerability under dynamic loading conditions, enabling them to develop innovative solutions for real-word engineering problems.

Course Outcomes: On completion of this course, the students will be able to

- Analyze the dynamic behavior of structures under various loading conditions, including seismic, wind, and vibration.
- Design and optimize structures to resist dynamic loads, utilizing principles of structural dynamics and vibration.
- Apply numerical methods and software tools (e.g., Finite Element Method, Modal Analysis) to simulate and analyze dynamic structural responses.
- Evaluate the stability and vulnerability of structures under dynamic loading conditions, recommending mitigation strategies for potential failure modes.

UNIT I: Introduction to Structural Dynamics – Definition and scope – Basic concepts (vibration, frequency, damping)– Types of dynamic loads (seismic, wind, vibration) Importance of structural dynamics

UNIT II: Dynamic Analysis of Structures - Single-degree-of-freedom systems- Multiple-degrees-of-freedom systems-Modal analysis-Response spectra

UNIT III: Numerical Methods in Structural Dynamics – finite Element Method – Time-history analysis– Frequency-domain analysis-Software applications

UNIT IV: Design for Dynamic Loads- Seismic design-Wind load design-Vibration control-Dynamic analysis of special structures

UNIT V: Advanced Topics in Structural Dynamics – Nonlinear dynamic analysis- Random vibration – Structural health monitoring – Advanced software applications

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NAME OF THE PROGRAM: Value added course on structural dynamics

DURATION OF THE PROGRAM: 11-03-2024 to 23-03-2024

SNO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	21NT1A0101	Bonu Ajay Kumar	III Year	CE	
2	21NT1A0102	Muppidi Satyanarayana	III Year	CE	
3	22NT5A0101	Anupoji Dilip Kumar	III Year	CE	
4	22NT5A0102	Boikde Vijay Kumar	III Year	CE	
5	22NT5A0103	Chelikani Venkatesh	III Year	CE	
6	22NT5A0104	Chintala Satya Sai	III Year	CE	
7	22NT5A0106	Dadi Shiva Kumar	III Year	CE	
8	22NT5A0107	Dadala Prasannakumar	III Year	CE	
9	22NT5A0108	G Teja Sri	III Year	CE	
10	22NT5A0110	Gorle Sagar	III Year	CE	
11	22NT5A0111	Gutumi Praveen	III Year	CE	
12	22NT5A0112	Indala Srinu	III Year	CE	
13	22NT5A0113	Kakinada Akankshitha	III Year	CE	
14	22NT5A0114	Kakinada Mahesh Phanindra	III Year	CE	
15	22NT5A0115	Kallimi Vamsi	III Year	CE	
16	22NT5A0116	Kanchimma Pavan Sai	III Year	CE	
17	22NT5A0119	Kota Kiran Kumar	III Year	CE	
18	22NT5A0120	Kuncha Seriyani	III Year	CE	
19	22NT5A0121	Kunigalli Bhaneari	III Year	CE	
20	22NT5A0122	Lagudu Lova Kalyan	III Year	CE	
21	22NT5A0123	Madiva Syamsul	III Year	CE	
22	22NT5A0124	Mudapaka Giri Raja Parvathi Kumar	III Year	CE	
23	22NT5A0125	Parupalli Triveni	III Year	CE	
24	22NT5A0126	Pentakota Sai	III Year	CE	
25	22NT5A0127	Rittipalli Sudheer	III Year	CE	

28	22NT5A0131	Velimala Kiran Kumar	III Year	CE	
29	22NT5A0132	Yeddla Simhachalam	III Year	CE	
30	22NT5A0133	Behara Venkata Siva Sai Chand	III Year	CE	
31	22NT5A0134	Gullipalli Sai Sandeep	III Year	CE	
32	22NT5A0137	Romaki Dinesh Kumar	III Year	CE	

PROGRAM CO-ORDINATOR

HOD

Head of the Department
Department CE
Visakha Institute of Engg & Tech

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NAME OF THE PROGRAM: Value added course on Structural Dynamics

DURATION OF THE PROGRAM: 11-03-2024 to 23-03-2024

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET												TOTAL
			11/3	12/3	13/3	14/3	15/3	16/3	18/3	19/3	20/3	21/3	22/3	23/3	
1	21NT1A0101	Bolne Ajay Kumar	P	P	P	P	P	P	P	P	P	P	P	P	12
2	21NT1A0102	Muppidi Satyanarayana	P	P	P	P	P	P	P	P	P	P	P	P	12
3	22NT5A0191	Anupoju Dilip Kumar	P	P	P	A	P	P	A	P	P	P	P	P	10
4	22NT5A01C2	Boddu Vijay Kumar	P	P	A	P	P	P	P	P	P	P	P	P	11
5	22NT5A0103	Chettipoma Venkatesh	P	P	P	P	P	P	P	P	P	A	A	P	10
6	22N15A0104	Chintala Satya Sai	P	P	P	P	P	P	P	P	P	P	P	P	12
7	22NT5A0106	Dudi Shiva Kumar	P	P	P	P	P	P	P	P	P	P	P	P	12
8	22NT5A0107	Eadala Prasannakumar	P	P	P	P	P	P	P	P	P	P	P	P	12
9	22NT5A0108	G Teja Sri	P	A	P	P	A	P	P	P	P	P	A	P	9
10	22NT5A0110	Gorle Sagar	P	P	P	P	A	P	P	P	P	P	P	P	11
11	22NT5A0111	Gudimi Praveen	P	P	P	P	P	P	P	P	P	P	P	P	12
12	22NT5A0112	Injeela Sruthi	P	P	P	P	P	P	P	P	P	P	P	P	12
13	22NT5A0113	Kakinada Akankshitha	P	A	P	P	A	P	P	P	P	P	P	P	10
14	22NT5A0114	Kalimada Mahesh Phanindra	P	P	A	P	P	P	A	P	P	P	P	P	10
15	22NT5A0115	Kalisetti Vamsi	P	P	P	P	P	P	P	A	A	P	P	P	10
16	22NT5A0116	Kanchamma Pavan Sai	P	P	P	A	P	P	A	P	P	P	P	P	10
17	22N75A0119	Kota Kiran Kumar	P	P	P	P	P	P	P	P	P	P	P	P	12
18	22NT5A0120	Kanchu Sravani	P	A	P	P	P	A	P	P	P	P	P	P	10
19	22NT5A0121	Kunigarni Bhavani	P	P	A	A	A	P	P	P	P	P	P	P	9
20	22NT5A0122	Lagudu Lova Kalyan	P	P	P	P	P	A	P	P	P	P	P	P	11
21	22N13A0123	Madina Sravani	P	P	P	A	P	P	P	P	P	P	P	P	10
22	22NT5A0124	Mudapaka Giri Ram Purvadh Kumar	P	P	A	P	P	P	A	P	P	P	A	P	9
23	22NT5A0125	Pampathi Triveni	P	P	P	A	P	P	P	P	A	P	A	P	9
24	22NT5A0126	Perikiota Sai	P	P	P	P	P	P	P	P	P	P	P	P	12
25	22N73A0127	Rimapolli Sudheer	P	A	P	P	P	P	A	P	P	P	P	A	9
26	22NT5A0129	Sahad Prabel Dev	P	P	P	P	P	P	P	A	P	P	P	P	11
27	22NT5A0130	Vasili Nagaraju	P	P	P	P	P	A	P	P	A	P	P	A	9
28	22N73A0131	Velumalla Kiran Kumar	P	P	P	P	P	P	P	P	P	A	P	A	10
29	22NT5A0132	Voddu Sreenivasulu	P	P	P	A	P	P	A	P	P	P	P	P	10

VISAKHA

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NAME OF THE PROGRAM: Value added course on Structural Dynamics

DURATION OF THE PROGRAM: 11/03/2024 to 23/03/2024

DAY WISE ATTENDANCE SHEET

	11/3	12/3	13/3	14/3	15/3	16/3	18/3	19/3	20/3	21/3	22/3	23/3	
	P	P	P	A	P	P	A	P	P	P	P	P	10
	P	P	P	A	P	P	A	P	P	P	P	P	10
	P	A	P	P	P	A	P	P	P	P	A	P	9
Total no. of students	32	32	32	32	32	32	32	32	32	32	32	32	
No. of students present	32	27	29	24	29	26	25	29	28	28	24	29	
No. of students absent	0	5	3	8	3	6	7	3	4	4	8	3	
Signature of the staff													

PROGRAM CO-ORDINATOR

Head of the Department
Department CE
Visakha Institute of Engg. & Tech.

NAME OF THE PROGRAM: Value added course on Structural Dynamics

DURATION OF THE PROGRAM: 11-03-2024 to 23-03-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	21NT1A0101	Bonu Ajay Kumar	III Year	CE	A+
2	21NT1A0102	Mupparti Satyanarayana	III Year	CE	O
3	22NT5A0101	Amptal Dilip Kumar	III Year	CE	O
4	22NT5A0102	Boddu Vijay Kumar	III Year	CE	O
5	22NT5A0103	Chalikowa Venkatesh	III Year	CE	O
6	22NT5A0104	Chinnala Satya Sai	III Year	CE	O
7	22NT5A0106	Dadi Shiva Kumar	III Year	CE	O
8	22NT5A0107	Eadala Penamakkamma	III Year	CE	O
9	22NT5A0108	G Teja Sri	III Year	CE	A+
10	22NT5A0110	Gorle Sagar	III Year	CE	O
11	22NT5A0111	Gottimi Praveen	III Year	CE	A+
12	22NT5A0112	Indala Srinu	III Year	CE	O
13	22NT5A0113	Kakinada Akanksshitha	III Year	CE	O
14	22NT5A0114	Kakinada Mahesh Phanindra	III Year	CE	O
15	22NT5A0115	Kalimi Vamsi	III Year	CE	O
16	22NT5A0116	Kanchamana Pavan Sai	III Year	CE	O
17	22NT5A0119	Kota Kiran Kumar	III Year	CE	O
18	22NT5A0120	Kuncha Sravani	III Year	CE	O
19	22NT5A0121	Kunigunti Bhanusri	III Year	CE	O
20	22NT5A0122	Lagudu Lova Kalyan	III Year	CE	A+
21	22NT5A0123	Mudina Syamsai	III Year	CE	O
22	22NT5A0124	Mudunuri Gini Bala	III Year	CE	

24	22NT5A0126	Penmetsa Sai	III Year	CE	O
25	22NT5A0127	Ronapalli Sudheer	III Year	CE	O
26	22NT5A0129	Sailadi Prithvi Dev	III Year	CE	O
27	22NT5A0130	Vana Nagaraju	III Year	CE	O
28	22NT5A0131	Velumala Kiran Kumar	III Year	CE	O
29	22NT5A0132	Yeddla Simhachalam	III Year	CE	O
30	22NT5A0133	Bchara Venkata Siva Sai Chand	III Year	CE	O
31	22NT5A0134	Gullipalli Sai Sandeep	III Year	CE	O
32	22NT5A0137	Romatkl Dinesh Kumar	III Year	CE	A+
No. of students getting more than A+					**60**
% of students getting more than A+					**84.375%**

MARKS	20-25	15-19	10-14	5-9	1-4
GRADE	O	A+	A	B+	B

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	COS PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
Affiliated to JNTUK, KAKINADA
NAAC ISO VSPT

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT SHEET

Year/SEM: III / I
Course Type: VALUE ADDED COURSE
Course Name: STRUCTURAL DYNAMICS
A.Y: 2023-2024
Branch: CE
Duration: 30 Mins
Maximum Marks: 25M
Marks Obtained: 22
H.T. No.

2	2	N	T	S	A	0	1	0	4

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 2 MARKS

S.NO	QUESTIONS	ANSWERS
1	What is the primary objective of structural dynamics? a) To analyze static loads b) To design for dynamic loads c) To evaluate structural stability d) To predict failure modes	(b)
2	Which of the following is a type of dynamic load? a) Dead load b) Live load c) Seismic load d) Wind load	(c)
3	What is the natural frequency of an undamped SDOF system? a) $\sqrt{k/m}$ b) $\sqrt{m/k}$ c) k/m d) m/k	(a)
4	What is the damping ratio of a critically damped SDOF system? a) 0% b) 50% c) 100% d) 200%	(c)
5	What is the purpose of modal analysis in MDOF systems? a) To find natural frequencies b) To calculate mode shapes c) To consider dynamic response d) All of the above	(d)
6	What is the orthogonality condition for mode shapes? a) $\phi_i \cdot \phi_j = 0$ b) $\phi_i \cdot \phi_j = 1$ c) $\phi_i \cdot \phi_j = m_i$ d) $\phi_i \cdot \phi_j = k_i$	(a)
7	What is the response of a structure to a harmonic load? a) Transient response b) Steady-state response c) Resonant response d) All of the above	(b)
8	What is the purpose of the Fourier transform in dynamic analysis? a) To find natural frequencies b) To calculate mode shapes c) To calculate dynamic response d) To transform time-domain data to frequency-domain data	(c)
9	What is the primary cause of structural damping? a) Material friction b) Aerodynamic drag c) Dynamic loading d) All of the above	(d)
10	What is the building law of a column? a) $F = 2EI/L^3$ b) $F = EI/L^3$ c) $F = EI/L$ d) $F = EI$	(b)
11	What is the purpose of a shock absorber in a dynamic system?	(a)

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	a) Coulomb damping b) Viscous damping	
12	What is the frequency ratio in dynamic analysis? a) ω/ω_n b) ω_n/ω c) $\omega\omega_n$ d) ω/ω_n^2	(a)
13	What is the response of a structure to a random load? a) Transient response b) Steady-state response c) Resonant response d) All of the above	(b)
14	What method is used to analyze nonlinear dynamic systems? a) Linearization b) Perturbation c) Numerical integration d) Harmonic analysis	(c)
15	What is the purpose of modal superposition? a) To find natural frequencies b) To calculate mode shapes c) To calculate dynamic response d) All of the above	(b)
16	What is the difference between free vibration and forced vibration? a) Type of loading b) Type of damping c) Type of response d) All of the above	(c)
17	Which type of structural system exhibits nonlinear behavior? a) Linear elastic b) Nonlinear elastic c) Linear viscoelastic d) Nonlinear viscoelastic	(b)
18	Which software is commonly used for dynamic analysis? a) MATLAB b) ABAQUS c) ANSYS d) All of the above	(d)
19	What is the significance of the natural frequency in dynamic analysis? a) Sampling rate b) Cutoff frequency c) Damping ratio d) Resonant frequency	(d)
20	What is the term for the study of structural behavior under random dynamic loads? a) Probabilistic dynamics b) Stochastic dynamics c) Random vibration d) Deterministic analysis	(b)
21	Which software is commonly used for structural dynamics analysis? a) MATLAB b) ABAQUS c) ANSYS d) All of the above	(d)
22	What is the response spectrum method used for? a) Time-history analysis b) Frequency-domain analysis c) Seismic design d) Dynamic analysis of multi-degree-of-freedom systems	(c)
23	Which software is commonly used for structural dynamics analysis? a) MATLAB b) ABAQUS c) ANSYS d) All of the above	(d)
24	What is the term for the study of structural behavior under random dynamic loads? a) Probabilistic dynamics b) Stochastic dynamics c) Random vibration d) Deterministic analysis	(c)

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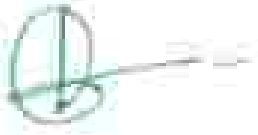
FEEDBACK FORM

Name of the Student	Course Title	Date
M. Satya Naga Yadu	Structural Dynamics	23-03-2024

- For each of the following areas, please indicate your reaction:

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.	✓			
3	The instructor presented course material in a clear manner that facilitated understanding	✓			
4	This class has increased my interest in this field of study	✓			
5	The readings were appropriate to the goals of the course.		✓		
6	I have put a great deal of effort into advancing my learning in this course	✓			
7	I would highly recommend this course to other students	✓			
8	The grading practices were fair.	✓			

Grading Level: 4; Very Good, 3: Good, 2: Fair, 1: Satisfactory
Any Other Suggestion:



Name of the Program: Value added course on Structural Dynamics
Duration: 11-03-2024 to 23-03-2024

COURSE SCHEDULE

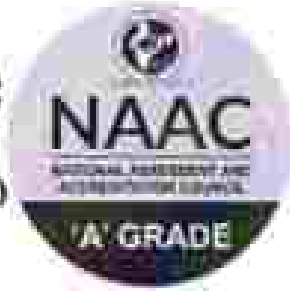
S.NO	DATE	TOPICS TO BE COVERED
1	11-03-2024	Introduction to Structural Dynamics – Definition and scope – Basic concepts (vibration, frequency, damping)
2	12-03-2024	Types of dynamic loads (seismic, wind, vibration) Importance of structural dynamics
3	13-03-2024	Dynamic Analysis of Structures - Single-degree-of-freedom system
4	14-03-2024	Multi-degree-of-freedom systems-Modal analysis-Response spectra
5	15-03-2024	Numerical Methods in Structural Dynamics –Finite Element Method – Time-history analysis
6	16-03-2024	Frequency-domain analysis-Software applications
7	18-03-2024	Design for Dynamic Loads- Seismic design
8	19-03-2024	Vibration control-Wind load design
9	20-03-2024	Dynamic analysis of special structures-Advanced Topics in Structural Dynamics
10	21-03-2024	Nonlinear dynamic analysis
11	22-03-2024	Random vibration– Structural health monitoring
12	23-03-2024	Advanced software applications

PROGRAM CO-ORDINATOR

HOD

VISAKHA

INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA | ENGINEERING | MANAGEMENT



COLLEGE CODE
VSPT

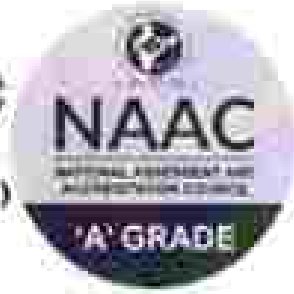
Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. .....of ..... has participated in a ***Two-week Value-Added Course*** *on* ***"STRUCTURAL DYNAMICS"****, Organized by Department of Civil Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India, during* ***11th March 2023 to 23rd March 2023****.*

Program Coordinator	***HOD***	***Principal***
Ms. Y.Priyanka	***Mrs. V.Bhargavi***	***Dr. V. Sridhar Patnaik***

VISAKHA

INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA | ENGINEERING | MANAGEMENT



COLLEGE CODE
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Certificate of Participation

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Program Coordinator	HOD	Principal
Ms. Y.Priyanka	Mrs. V.Bhargavi	Dr. V. Sridhar Patnaik

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

A Two Week Certificate Program on "STRUCTURAL DYNAMICS"

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Branch & Year of Study :
6. Address for Communication :
7. Contact No :
8. E-Mail Id :
9. Signature of the Participant :

Date:

Station: Visakhapatnam

Chief Patron : Sri.G. Satyanarayana
Chairman

Patron : Dr. V.Sridhar Pattnaik
Principal

Convener : Mrs.V.Bhargavi
Associate Professor

Co-Ordinator:

Ms.Y.Priyanka
Assistant Professor

Advisory Committee:

Sri K.S.B. Vara Prasad
HOD, EEE

Sri B.Jeevandhar
HOD, ECE

Sri Satya Narayana
HOD, MECH

Sri K.Tagore rao Babu
HOD, CSE

Sri. M. Uday Shankar
HOD, IT&CA

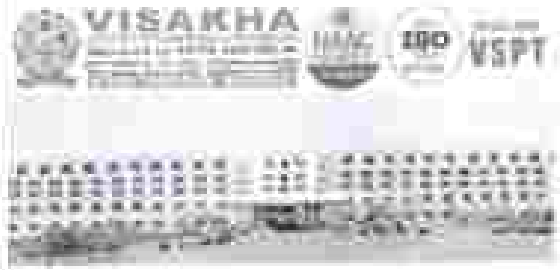
For further details:

Ms.Y.Priyanka
Assistant Professor

A Two Week Certificate Program on "STRUCTURAL DYNAMICS"

On

11th-23rd MARCH, 2024



Organized By

Department of Civil Engineering

Visakha Institute of Engineering & Technology

(Approved By AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

88 Devadam, Narava

VISAKHAPATNAM – 530 027

Andhra Pradesh, INDIA.

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

Visakha Institute of Engineering & Technology was established in the year 2008 with the sole intension of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought name laurels to the institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities in order to inculcate young students. The college is located in serene and pollution free environment at Narava 8 km from Gopalapatnam and Air Port. The campus is spread over 40 acres of scenic landscapes which is an ideal place

ABOUT THE DEPARTMENT:

The Department of **Civil Engineering** was established in the year 2008 with an initial sanctioned strength of 120. The PG Program in Structural engineering was started in 2013 with an intake of 36 students. Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment. The primary focus of the department is to become a center of excellence in the field of Civil Engineering and to create outstanding engineers with advanced teaching techniques and learning aids for undergraduate students.

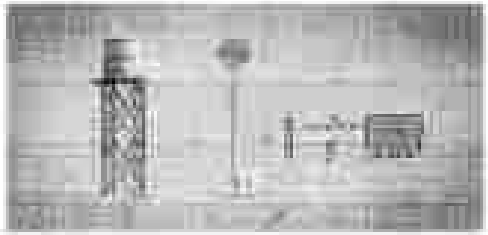
The department has full-fledged laboratories with the latest machines and instruments to support the syllabi and promote research & consultancy. The department is having MOUs with various reputed central government organizations and private organizations.

ABOUT THE TWO WEEK CERTIFICATE PROGRAM

The two week certificate program on "Structural Dynamics" is to introduce fundamental knowledge Structural Dynamics for better understanding and Structural Dynamics is a used to response of structural systems to dynamic loads And also understand the Behaviour And Response Of MDOF Structures With Various Dynamic Loading

CONTENTS OF THE TWO WEEK CERTIFICATE PROGRAM:

- Introduction To Structural Dynamics & Theory Of Vibrations
- Equation of Motions, Problem Statement, Solution Methods of Single Degree of Freedom Systems (SDOF)
- Free Vibration (SDOF)
- Response to Harmonic and Periodic Excitations (SDOF)
- Response to Arbitrary, Step and Pulse Excitations (SDOF)
- Numerical Evaluation of Dynamic Response (SDOF)
- Earthquake Response to Linear Systems (SDOF)
- Multi-degree of freedom systems (MDOF)
- Free Vibration (MDOF)



Structure of Buildings

RESOURCE PERSON:

Mrs V Bhargavi
Associate Professor, VIET, Visakhapatnam
Email id: vbhargavi1974@gmail.com

ORGANIZING COMMITTEE:

Ms V Priyanka

Mr P RajKumar

Mr S Avinash

Mr k Jagan Kiran

Mr Ch Sai Kumar

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

REQUISITION LETTER

Date: 11-09-2023

From
Mr.K.S.B. VARAPRASAD
Head of the department
Department of Electrical and Electronics Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Electrical and Electronics Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Weeks	Availability in Curriculum
MATLAB/SIMULINK Programming for Industrial Application	18-09-2023 to 03-10-2023	Two Weeks	No

Thanking You,

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

Yours faithfully,

Ref:VIET/EEE/2023-24 **Date: 13-09-2023**

CIRCULAR

All the EEE Students of IV B-Tech are hereby informed that **"A Two Week Value-Added Courses on "MATLAB/SIMULINK PROGRAM FOR INDUSTRIAL APPLICATIONS"**will be conducted from 18-09-2023 to 03-10-2023. All interested candidates can enrol their names with Mr.T. Santhosh, Asst.Professor, and Dept. of EEE on or before 16-09-2023. The details of the topics and resource person are available in the brochure displayed in the EEE department notice board

Venue: Online Lab, CSE Department, Visakha Institute of Engineering & Technology

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY

IQAC	R&D	CIVIL	EEE	ME/ AME	ECE	CSE	BS&H	MBA	MCA

Visakha Institute of Engineering & Technology (VIET)

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Gurajada, Vizianagaram.)

A Two Week Value Added Course on "MATLAB/SIMULINK PROGRAMMING FOR INDUSTRIAL APPLICATIONS"

REGISTRATION FORM

1. Name of the Participant:
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated To :
5. Branch & Year of Study :
6. Address for Communication:

7. Contact Phone No. :
8. E-Mail ID :
9. Signature of the Participant(s)

Date:

Station:

PRINCIPAL

Chief Patron :
Sri G. Satyanarayana
Chairman

Patron:
Dr. V. Siddhartha Pattanaik
Principal

Convener
Mr K.S.B.Vara Prasad
HoD ,EEE

Co-ordinators :
Mr. T.Santhosh, Asst. Prof,
Mr. T.Sreenu, Asst. Prof

Advisory Committee:
Mr. UdayBhaskar, HoD, BS & H
Mrs. A.S.C Tejaswini Kone,HoD,CSE
Mrs. V Bhargavi,HoD, Civil
Dr. T Satyanarayana, HoD, Mech& AME
Dr. A. Tulasi Naidu,HoD, MBA

For further details contact :
Mr.T.Santhosh,
Asst. Prof, Department of EEE,
VIET, Visakhapatnam.

VIGNANA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

A Two Week Value Added Course on "MATLAB/SIMULINK PROGRAMMING FOR INDUSTRIAL APPLICATIONS"

On

18th Sep 2023– 03rd Oct 2023

Organized By

Department of Electrical and Electronics Engineering

Visakha Institute of Engineering & Technology

(Approved by AICTE & Affiliated to JNTUGV, Gurajada, Vizianagaram, A.P.)

86th Division, Narava

ABOUT COLLEGE:

Vinakha Institute of Engineering and Technology (VIET) was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students.The College is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 20 acres of scenic landscapewhich is an ideal place.

ABOUT THE DEPARTMENT:

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering strives to produce highly competent engineers equipped with advanced professional knowledge, professional and ethical attitude, entrepreneurial thinking, analytical skills and critical problem solving through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, has been constantly carrying out research on many cutting edge technologies.

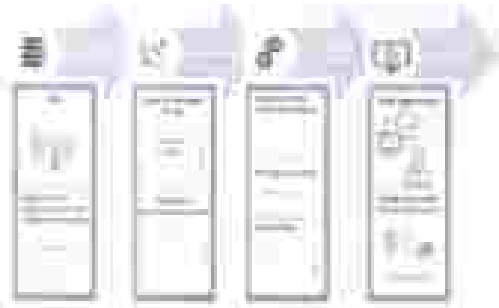
The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities.

ABOUT THE TWO WEEK VALUE ADDED COURSE:

Making participants familiar / work with **"MATLAB/SIMULINK PROGRAMMING FOR INDUSTRIAL APPLICATIONS "**. To impart knowledge about fundamentals of MATLAB and Simulink are industry standard tools that engineers use for model-based design and technical computing in a range of industrial applications.

CONTENTS OF THE TWO WEEK VALUE ADDED COURSE:

- Basic operations
- MATLAB-Data types, Rules about variable Name
- Designing control algorithms Predefined Variables
- Script file, Input Commands, Output Commands
- Structure of function file
- Comparison Between Script file and Function
- Model based design
- Analyzing and simulating signals
- Industrial equipment specifications



Resource Person:

Mrs. M.D.L SARANYA,
Assistant Professor,
EEE,
Vinakha Institute of Engineering & Technology
VISAKHAPATNAM.

Organizing Committee:

Mr. T. Santhosh, Asst. Prof.

Mr. B. Ganesh, Asst. Prof.

Mr. P Mohan Krishna, Asst. Prof.

Mrs. R. Mahalakshmi, Asst. Prof

Mrs. S. Jyothi Rani Asst. Prof

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VALUE ADDED COURSE ON MATLAB/SIMULINK
SYLLABUS

Course Objectives:

Perform Using MATLAB as a calculator and Familiar with MATLAB Windows. Discuss Basic, MATLAB-Data types Operations. Understand the Built-in functions, Mathematical Operations, Discuss the Script file, Input commands, Output commands, Structure of function file. Practice the Simulink, Model design, Model design.

Course Outcomes: On completion of this course, the students will be able to

- Understand by Using MATLAB as a calculator and Familiar with MATLAB Windows.
- Learn the Basic, MATLAB-Data types Operations.
- Understand the Built-in functions, Mathematical Operations.
- Get the knowledge on the Script file, Input commands, Output commands, Structure of function file.
- Detect the Simulink, Model design, Model design.

UNIT I
Introduction : Why MATLAB? – History – Its strengths – Weaknesses – Competitors – Starting MATLAB, Using MATLAB as a calculator, Quitting MATLAB, Basics, Familiar with MATLAB windows.

UNIT II
Basic Operations, MATLAB-Data types, Rules about variable names, Predefined variables.

UNIT III
Coding-I, Vector, Matrix, Array Addressing, Built-in functions, Mathematical Operations, Dealing with strings(Array of characters), Arrays of arrays(cell) concept.

UNIT IV
Coding-II, Script file, Input commands, Output commands, Structure of function file, Comparison between script file and function file.

UNIT V
Simulink, Model design, Model design, Know your MATLAB tool (Branch specific), Simulation, Interactive session for VLSI domain students.

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	18 /09/2023	Introduction about the MATLAB
2	20 /09/2023	Basic Operations
3	21 /09/2023	MATLAB Data types, Rules about variable name
4	22 /09/2023	Coding-I, Coding-II
5	23 /09/2023	Predefined Variables
6	25 /09/2023	Script file, Input Commands, Output Commands
7	26 /09/2023	Structure of function file
8	27 /09/2023	Comparison Between Script file and Function
9	28 /09/2023	Model based design
10	29 /09/2023	Analyzing and simulating signals
11	30 /09/2023	Industrial equipment specifications
12	03/10/2023	Industrial equipment specifications

PROGRAM CO-ORDINATOR

HOD

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ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

STUDENTS SIGNATURE LIST
A TWO WEEK VALUE-ADDED COURSES ON MATLAB/SIMULINK
AY 2023-24

S. NO.	REG.NUMBER	NAME OF THE STUDENT	SIGNATURE
1	20NT1A0201	BONDA DEVI	B. Devi
2	20NT1A0202	KATTA HEMANTH SWAMY	K. Hemanth Swamy
3	20NT1A0206	PEYYALA PRADEEP KUMAR	P. Pradeep Kumar
4	21NT5A0201	ADITYA PRADHAN	A. Pradhan
5	21NT5A0203	AMARAPINI MADHAN KUMAR	A. Madhan Kumar
6	21NT5A0205	ANNEPU SANDHYA	A. Sandhya
7	21NT5A0207	BANDARU KUMARA SWAMY	B. Kumara Swamy
8	21NT5A0210	BODDETI BALAJI ARJN	B. Arjun
9	21NT5A0211	BOMMIDI GOPALAKRISHNA	B. Gopala Krishna
10	21NT5A0212	BUDATA DAIVAKRUPA	B. Daiva Krupa
11	21NT5A0214	CHEEPURUPALLI BANGARUTHALLI	Ch. Bangarutha
12	21NT5A0215	CHINTA GANESH KUMAR	C. Ganesh Kumar
13	21NT5A0217	CHIPPADA JAYA SREE	C.P. Jaya Sree
14	21NT5A0218	DAMMU NOOKARAJU	D. Nookaraju
15	21NT5A0219	DARAPU MAHESH	D. Mahesh
16	21NT5A0220	DISKA DILEEP KUMAR	D. Dileep
17	21NT5A0221	DUPPATLA GOWRISANKAR	D. Gowri Sankar
18	21NT5A0222	M DURGA MANIKANTA PRASAD	M. Prasad
19	21NT5A0223	ELLAPU SHANMUKHA KIRAN	E. Shanmukha Kiran

20	21NT5A0225	GANNU SAGAR	G. Sagar
21	21NT5A0229	HANUMANTHU LIKHITHA	H. Likhitha
22	21NT5A0230	JEERU DURGA SAI	J. Durga sai
23	21NT5A0232	KAMPARA GIRI VARDAN	K. Giri Vardan
24	21NT5A0233	KARAKAVALASA GULSHAN KUMAR	K. Gulshan Kumar
25	21NT5A0236	MADDALA SUNIL	M. Sunil
26	21NT5A0237	MALLA SURYA BHARGAV	M. Surya
27	21NT5A0239	MATTAMMUKKI ANIL KUMAR	M. Anil Kumar
28	21NT5A0240	MOLLI JYOSHNA	Jyoshna
29	21NT5A0241	MOLLI RAMA LAKSHMI	M. Rama Lakshmi
30	21NT5A0242	MUDDURTHI REVATHI	M. Revathi
31	21NT5A0244	NANDINI MARPU	Nandini
32	21NT5A0245	PATINA CHANIKYA	CHANIKYA
33	21NT5A0247	PEELA PRASANTH KUMAR	Prasanth kumar
34	21NT5A0249	PENUMUCHI KARTHIK	Karthik
35	21NT5A0250	PILLA LALITHA	P. Lalitha
36	21NT5A0252	PRAGADA ANIL KUMAR	P. Anil Kumar
37	21NT5A0253	PUJARI RAGHAVA PRASAD	P.R.P.
38	21NT5A0254	RAJANA MANASA	R. Manasa
39	21NT5A0258	SANAPATHI LEELA KRISHNA	S. Krishna
40	21NT5A0259	SEEPANA JAYA PRAKASH	S. Jaya Prakash
41	21NT5A0260	SHAIK SHAREEF	S. Shareef

42	21NT5A0261	SINGAMPALLI MOUNIKA	
43	21NT5A0264	SIRIGIRI GAYATHRI	
44	21NT5A0265	TERLAPU KIRAN	
45	21NT5A0266	TUMMAGUNTA DAMODARA RAO	
46	21NT5A0269	VEMAVARAPU SAI	
47	21NT5A0270	VENNALA GANESH	
48	21NT5A0271	YADLA JAGADEESH	
49	21NT5A0272	ALLA DINESH	
50	21NT5A0273	BODDEPALLI SRINIVASA RAO	
51	21NT5A0274	BOLLYASETTI VASANTH	
52	21NT5A0278	DUKKA MOHAN KUMAR	
53	21NT5A0282	KOTHAPILLI KIRAN	
54	21NT5A0283	MULAGAPAKA DILLESWAR RAO	
55	21NT5A0286	SAMMINGI PAVAN	
56	21NT5A0288	VEMANA SHANMUKHI	
57	21NT5A0290	VIJAY MOHAN KUMAR P	
58	21NT5A0295	ANDIBOINA JANAKI SATISH	

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(Affiliated to JNTUGV, VIZIANAGARAM)
68th Division, Narava, GVMC, Visakhapatnam-530027

NAAC A GRADE

ISO 9001:2015

COLLEGE CODE VSPT

DAYWISE ATTENDENCE

S.No	Regd.No.	Name of the Student	DATE & HOUR											
1	20NT1A0201	BONDA DEVI	P	P	P	P	P	P	P	P	P	P	P	P
2	20NT1A0202	KATTA HEMANTH SWAMY	P	P	P	P	P	A	P	P	P	P	P	A
3	20NT1A0206	PEYYALA PRADEEP KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
4	21NT5A0201	ADITYA PRADHAN	P	P	A	P	P	P	P	P	P	A	P	P
5	21NT5A0203	AMARAPINI MADHAN KUMAR	A	P	P	P	P	P	P	P	P	P	P	P
6	21NT5A0205	ANNEPU SANDHYA	P	P	P	P	P	P	P	P	P	P	P	P
7	21NT5A0207	BANDARU KUMARA SWAMY	P	P	P	P	P	P	P	P	A	P	A	P
8	21NT5A0210	BODDETI BALAJI ARUN	P	P	P	A	P	P	A	P	P	P	P	P
9	21NT5A0211	BOMMIDI GOPALAKRISHNA	P	P	P	P	A	P	P	P	P	P	P	P
10	21NT5A0212	BUDATA DAIVAKRUPA	P	P	P	P	P	P	P	P		P	P	P
11	21NT5A0214	CHEPURUPALLI BANGARUTHALLI	P	A	P	P	P	P	P	P		P	P	P
12	21NT5A0215	CHINTA GANESH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P
13	21NT5A0217	CHIPTADA JAYASREE	P	P	P	P	P	A	P	P	P	P	P	P
14	21NT5A0218	DAMMU NOOKARAJU	P	P	P	P	P	P	A	P	P	P	A	P
15	21NT5A0219	DARAPU MAHESH	P	P	A	P	P	P	P	P	P	P	P	P
16	21NT5A0220	D DILEEP KUMAR	A	P	P	P	P	P	P	P	P	A	P	P
17	21NT5A0221	DUPPATLA GOWRISANKAR	P	P	P	P	P	P	P	P	A	P	P	P
18	21NT5A0222	MUMMINA DURGA MANIKANTA PRASAD	P	P	P	P	A	P	P	P	P	P	P	P
19	21NT5A0223	ELLAPU SHANMUKHA KIRAN	P	P	P	P	P	P	P	P	P	P	P	P
20	21NT5A0225	GANNU SAGAR	P	P	P	P	P	P	P	P	P	P	P	P
21	21NT5A0229	HANUMANTHU LIKHITHA	P	P	P	A	P	P	A	P	P	P	P	P
22	21NT5A0230	JEERU DURGASAI	P	P	P	P	P	P	P	P	P	P	P	P
23	21NT5A0232	KAMPARA GIRIVARDAN	P	A	P	P	P	P	P	P	P	P	P	A
24	21NT5A0233	KARAKAVALASA GULSHAN KUMAR	P	P	P	P	P	P	P	P	A	A	P	P
25	21NT5A0236	MAHDALA SUNIL	P	P	P	P	P	A	P	P	P	P	P	P
26	21NT5A0237	MALLA SURYA BHARGAV	A	P	P	A	P	P	P	P	P	P	P	P
27	21NT5A0239	MATTAMMUKKI ANIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P

Date: 04-10-2023

PROGRAM REPORT

Name of the Event: A TWO WEEK VALUE-ADDED COURSES ON MATLAB/SIMULINK PROGRAMMING FOR INDUSTRIAL APPLICATION

Dates: 18-09-2023 to 03-10-2023

Resource Person: Mrs.M.D.L Saranya

Assistant Professor EEE, Visakha Institute of Engineering & Technology

Email id: mdlsaranya04@gmail.com

Contact number: 7981655280

Name of the Coordinator: Mr. T Santhosh

Number of students attended: 58

Venue: Online Lab, CSE Department

Objective of the program:

- Manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis.

Topics Covered:

Perform Using MATLAB as a calculator and Familiar with MATLAB Windows. Discuss Basic, MATLAB-Data types Operations, Understand the Built-in functions, Mathematical Operations. Discuss the Script file, Input commands, Output commands, Structure of function file. Practice the Simulink, Model design, Model design

Outcomes of the program:

At the end of the course, the student will be able to

- To acquire the knowledge in MATLAB as per practical operational industrial requirement
- To apply their knowledge to prepare control schemes as per different types of ease of programming, and process fault diagnosis in industries.

PROGRAM CO-ORDINATOR

HOD

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY

COE
Centre of Excellence

Pantech e Learning

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Mrs. ADITYA PRADHAN *of* [illegible] *has participated in* ***"A Two Week Value Added Course on "MATLAB/SIMULINK PROGRAM FOR INDUSTRIAL APPLICATIONS" from 18th Sep 2023– 03rd Oct 2023*** *organized by Department of ELECTRICAL & ELECTRONICS ENGINEERING, at Centre of Excellence, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P.State, India.*

Director

Principal

VISAKHA

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NAAC

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VSPT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III/ I
Course Type: VALUE ADDED COURSE
Course Name: MATLAB/SIMULINK
A.Y: 2023-2024
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20 M
H.T. No.

Marks Obtained: 18

2	1	N	T	5	A	0	2	4	5

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What does MATLAB stand for? a) Matrix Laboratory b) Mathematical Laboratory c) Machine Learning Application Toolkit d) Multiple Applications Tool	(A)
2	Which company developed MATLAB? a) Microsoft b) Google c) MathWorks d) Apple	(C)
3	A major weakness of MATLAB is a) Its high cost b) Its steep learning curve c) Its limited application areas d) All of the above	(A)
4	To perform basic arithmetic operations in MATLAB, you use: a) Arithmetic operators like +, -, *, / b) Special MATLAB functions c) A calculator within MATLAB d) None of the above	(A)
5	The Current Directory window in MATLAB displays: a) Current working directory b) List of MATLAB functions c) Recently created files d) Help documentation	(A)
6	Which of the following is a valid variable name in MATLAB? a) 123variable b) my_variable c) variable name d) variable-name	(B)
7	How do you create a complex number in MATLAB? a) c = 3 + 4i b) c = complex(3, 4) c) Both a and b d) None of the above	(C)
8	What is the value of pi in MATLAB? a) 3.14 b) 3.14159 c) 3.141592 d) None of the above	(B)
9	What is the correct way to create a row vector in MATLAB? a) v = [1 2 3] b) v = [1, 2, 3] c) v = (1, 2, 3) d) v = {1, 2, 3}	(A)
10	Which function is used to create a matrix of zeros in MATLAB? a) zeros() b) ones() c) rand() d) eye()	(A)
11	Which function is used to calculate the square root of a number in MATLAB? a) sqrt() b) sin() c) cos() d) power()	(C)
12	How do you find the transpose of a matrix A in MATLAB? a) A' b) transpose(A) c) inv(A) d) Both a and b	(D)
13	What is the result of the following MATLAB expression: result = 2^3 + 4*5? a) 22 b) 34 c) 1056 d) 14	(B)
14	How do you access the element in the second row, first column of a cell array C? a) C(2, 1) b) C{2, 1} c) C[2, 1] d) C(1, 2)	(B)
15	What is the extension of a MATLAB script file? a) .m b) .mat c) .exe d) .txt	(A)
16	What is the purpose of the return statement in a MATLAB function? a) To exit the function and return control to the caller b) To pause the execution of the function c) To terminate the execution of the function d) To define a loop in the function	(A)
17	Which block is used to add two signals in Simulink? a) Sum block b) Product block c) Gain block d) Integrator block	(A)
18	What is the purpose of the Scope block in Simulink? a) To display the output of a signal b) To generate a sinusoidal signal c) To integrate a signal d) To delay a signal	(A)
19	How do you simulate a Simulink model? a) By running the model directly b) By using the sim command c) By pressing the F5 key d) All of the above	(D)
20	What is the role of the Solver configuration parameters in Simulink? a) To define the numerical integration method b) To specify the simulation start and stop times c) To set the sample time of the simulation d) All of the above	(D)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III / I
Course Type: VALUE ADDED COURSE
Course Name: MATLAB/SIMULINK
A.Y: 2023-2024
Branch: EEE
Duration: 30 Min
Minimum Marks: 20 M
Marks Obtained: 19
H.T. No.

2 1 N T 5A0 2 46

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What does MATLAB stand for? a) Matrix Laboratory b) Mathematical Laboratory c) Machine Learning Application Tools d) Multiple Application Tool	(A)
2	Which company developed MATLAB? a) Microsoft b) Google c) MathWorks d) Apple	(C)
3	A major weakness of MATLAB is a) Its high cost b) Its poor learning curve c) Its limited application areas d) All of the above	(A)
4	To perform basic arithmetic operations in MATLAB you use: a) Arithmetic operators like +, -, * b) Special MATLAB functions c) A calculator within MATLAB d) None of the above	(A)
5	The Current Directory window in MATLAB displays: a) Current working directory b) List of MATLAB functions c) Recently opened files d) Help documentation	(A)
6	Which of the following is a valid variable name in MATLAB? a) 1Variable b) my_variable c) variable$name d) variable name	(B)
7	How do you create a complex number in MATLAB? a) z = 3 - 4i b) z = complex(3, -4) c) Both a and b d) None of the above	(C)
8	What is the value of pi in MATLAB? a) 3.14 b) pi c) 3.14159 d) None of the above	(B)
9	What is the correct way to create a row vector in MATLAB? a) v = [1 2 3] b) v = (1, 2, 3) c) v = 1, 2, 3 d) v = {1, 2, 3}	(A)
10	Which function is used to create a matrix of zeros in MATLAB? a) zeros() b) ones() c) eye() d) rand()	(A)
11	Which function is used to calculate the square root of a number in MATLAB? a) sqrt() b) sin() c) cos() d) power()	(A)

12	How do you find the transpose of a matrix A in MATLAB? a) A' b) transpose(A) c) A.T d) Both a and b	(D)
13	What is the result of the following MATLAB expression: sin(pi/2) a) 1 b) 0.5 c) 1.5 d) 2	(A)
14	How do you access the element at the second row, first column of a column vector v? a) v(2, 1) b) v(1, 2) c) v(2, 1) d) v(1, 2)	(A)
15	What is the extension of a MATLAB script file? a) .m b) .txt c) .mat d) .exe	(B)
16	What is the purpose of the return statement in a MATLAB function? a) To exit the function and return control to the caller b) To pause the execution of the function c) To terminate the execution of the function d) To define a loop in the function	(A)
17	Which block is used to add two signals in Simulink? a) Sum block b) Product block c) Gain block d) Integrator block	(A)
18	What is the purpose of the Scope block in Simulink? a) To display the output of a signal b) To generate a sine wave signal c) To integrate a signal d) To delay a signal	(A)
19	How do you simulate a Simulink model? a) By running the model directly b) By using the sim command c) By pressing the F5 key d) All of the above	(D)
20	What is the role of the Solver configuration parameters in Simulink? a) To define the numerical integration method b) To specify the simulation start and stop times c) To set the sample time of the simulation d) All of the above	(D)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III/I
Course Type: VALUE ADDED COURSE
Course Name: MATLAB/MIDI LEVEL
A.Y.: 2023-2024
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20.M
Marks obtained: 15
H.T. No.

2	1	N	T	S	A	0	2	1	5

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	**What does MATLAB stand for?** a) Matrix Laboratory b) Mathematical Laboratory c) Machine Learning Application Toolkit d) Multiple Applications Tool	(a)
2	**Which company developed MATLAB?** a) Microsoft b) Google c) MathWorks d) Apple	(c)
3	**A major feature of MATLAB is:** a) Its high cost b) Its deep learning capabilities c) Its limited application areas d) All of the above	(d)
4	**To perform basic arithmetic operations in MATLAB, you use:** a) Arithmetic operators like +, -, * b) Special MATLAB functions c) A calculator within MATLAB d) None of the above	(a)
5	**The Current Directory window in MATLAB displays:** a) Current working directory b) List of MATLAB functions c) Recently opened files d) Help documentation	(a)
6	**Which of the following is a valid variable name in MATLAB?** a) 123abc b) my_variable c) variable-name d) variable name	(b)
7	**How do you create a complex number in MATLAB?** a) z = 3 + 2i b) z = complex(3, 2) c) Both a and b d) None of the above	(c)
8	**What is the value of pi in MATLAB?** a) 3.14 b) pi c) 3.14159 d) None of the above	(b)
9	**What is the correct way to create a row vector in MATLAB?** a) v = [1, 2, 3] b) v = {1, 2, 3} c) v = (1, 2, 3) d) v = 1:3	(a)
10	**Which function is used to create a matrix of zeros in MATLAB?** a) zeros() b) ones() c) eye() d) rand()	(a)
11	**Which function is used to calculate the square root of a number in MATLAB?** a) sqr() b) sqrt() c) root() d) power()	(c)

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12	**How do you find the transpose of a matrix A in MATLAB?** a) A' b) transpose(A) c) A.T d) Both a and b	(d)
13	**What is the result of the following MATLAB expression: mod(17,5)?** a) 3 b) 2.5 c) 3.4000 d) 4	(b)
14	**How do you access the element in the second row, first column of a cell array C?** a) C{2, 1} b) C(2, 1) c) C[2, 1] d) C{1, 2}	(a)
15	**What is the extension of a MATLAB script file?** a) .m b) .txt c) .doc d) .exe	(a)
16	**What is the purpose of the return statement in a MATLAB function?** a) To end the function and return control to the caller b) To pause the execution of the function c) To terminate the execution of the function d) To define a loop in the function	(a)
17	**Which block is used to add two signals in Simulink?** a) Mux block b) Product block c) Gain block d) Integrator block	(c)
18	**What is the purpose of the Scope block in Simulink?** a) To display the output of a signal b) To generate a sinusoidal signal c) To integrate a signal d) To delay a signal	(a)
19	**How do you simulate a Simulink model?** a) By running the model directly b) By using the sim command c) By pressing the F5 key d) All of the above	(d)
20	**What is the role of the Solver configuration parameters in Simulink?** a) To define the mathematical integration method b) To specify the simulation start and stop times c) To set the sample time of the simulation d) All of the above	(d)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III/ I
Course Type: VALUE ADDED COURSE
Course Name: MATLAB/SIMULINK
A.Y: 2024-2025
Branch: EEE
Duration: 20 Min
Maximum Marks: 20/30
Marks Obtained: 17½
H.T. No.

21	N	T	5	A	0	5	9	7

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What does MATLAB stand for? a) Matrix Laboratory b) Mathematical Laboratory c) Machine Learning Application Toolkit d) Multiple Application Tool	(A)
2	Which company developed MATLAB? a) Microsoft b) Google c) MathWorks d) Apple	(C)
3	A major weakness of MATLAB is a) Its high cost b) Its steep learning curve c) Its limited application areas d) All of the above	(A)
4	To perform basic arithmetic operations in MATLAB, you use: a) Arithmetic operators (like +, -, *, /) b) Special MATLAB functions c) A calculator within MATLAB d) None of the above	(B)
5	The Current Directory window in MATLAB displays: a) Current working directory b) List of MATLAB functions c) Recently opened files d) Help documentation	(A)
6	Which of the following is a valid variable name in MATLAB? a) 123variable b) my_variable c) variable@name d) variable name	(B)
7	How do you create a complex number in MATLAB? a) c = 3 + 4i b) c = complex(3, 4) c) Both a and b d) None of the above	(C)
8	What is the value of pi in MATLAB? a) 3.14 b) 3.14159 c) 3.1416 d) None of the above	(B)
9	What is the correct way to create a row vector in MATLAB? a) v = (1 2 3) b) v = [1, 2, 3] c) v = {1, 2, 3} d) v = <1, 2, 3>	(A)
10	Which function is used to create a matrix of zeros in MATLAB? a) zeros() b) ones() c) rand() d) null()	(A)
11	Which function is used to calculate the square root of a number in MATLAB? a) sqrt() b) sqr() c) root() d) power()	(A)
12	How do you find the transpose of a matrix A in MATLAB? a) A' b) transpose(A) c) inv(A) d) Both a and b	(D)
13	What is the result of the following MATLAB expression: max([3 1 4 1 5]) a) 3 b) 5 c) [3 4 5] d) 4	(B)
14	How do you access the element at the second row, first column of a cell array C? a) C(2, 1) b) C{2, 1} c) C[2, 1] d) C(1, 2)	(B)
15	What is the extension of a MATLAB script file? a) .m b) .txt c) .doc d) .py	(A)
16	What is the purpose of the return statement in a MATLAB function? a) To exit the function and return control to the caller b) To pause the execution of the function c) To terminate the execution of the function d) To define a loop in the function	(A)
17	Which block is used to add two signals in Simulink? a) Sum block b) Product block c) Gain block d) Integrator block	(A)
18	What is the purpose of the Scope block in Simulink? a) To display the output of a signal b) To generate a sinusoidal signal c) To integrate a signal d) To delay a signal	(A)
19	How do you simulate a Simulink model? a) By running the model directly b) By using the sim command c) By pressing the F5 key d) All of the above	(D)
20	What is the role of the Solver configuration parameters in Simulink? a) To define the numerical integration method b) To specify the simulation start and stop times c) To set the sample time of the simulation d) All of the above	(D)

VISAKHA — NAAC — ISO — VSPT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III - I
Course Type: VALUE ADDED COURSE
Course Name: MATLAB/SIMULINK
A.Y: 2023-2024
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20 M
Marks Obtained: 17½
H.T. No.

2	8	T	5	A	0	2	3	2

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What does MATLAB stand for? a) Atomic Laboratory b) Mathematical Laboratory c) Machine Learning Application Toolkit d) Multiple Application Tool	(A) ✓
2	Which company developed MATLAB? a) Microsoft b) Google c) MathWorks d) Apple	(C) ✓
3	A major weakness of MATLAB is: a) Its high cost b) Its steep learning curve c) Its limited applications areas d) All of the above	(A) ✓
4	To perform basic arithmetic operations in MATLAB, you use: a) Arithmetic operators like +, -, * b) Special MATLAB functions c) A calculator within MATLAB d) None of the above	(A) ✓
5	The Current Directory window in MATLAB displays: a) Command working directory b) List of MATLAB functions c) Recently opened files d) Help documentation	(A) ✓
6	Which of the following is a valid variable name in MATLAB? a) 12variable b) my_variable c) variable Name d) variable-num	(B) ✓
7	How do you create a complex number in MATLAB? a) z = 3 + 4i b) z = complex(3, 4) c) Both a and b d) None of the above	(C) ✓
8	What is the value of pi in MATLAB? a) 3.14 b) pi c) 3.14159 d) None of the above	(B) ✓
9	What is the correct way to create a row vector in MATLAB? a) x = [1 2 3] b) x = {1 2 3} c) x = (1, 2, 3) d) x = [1, 2, 3]	(A) ✓
10	Which function is used to create a matrix of zeros in MATLAB? a) zeros() b) ones() c) eye() d) rand()	(A) ✓
11	Which function is used to calculate the square root of a number in MATLAB? a) sqrt() b) sqr() c) root() d) power()	(D) ✓
12	How do you find the transpose of a matrix A in MATLAB? a) A b) transpose(A) c) A.' d) Both c and b	(D) ✓
13	What is the result of the following MATLAB expression: round(3.14159)? a) 3 b) 3.14 c) 3.1416 d) 4	(B) ✓
14	How do you access the element at the second row, first column of a cell array C? a) C(2, 1) b) C{2, 1} c) C[2, 1] d) C(1, 2)	(D) ✓
15	What is the extension of a MATLAB script file? a) .m b) .txt c) .doc d) .py	(A) ✓
16	What is the purpose of the return statement in a MATLAB function? a) To exit the function and return control to the caller b) To pause the execution of the function c) To terminate the execution of the function d) To define a loop in the function	(A) ✓
17	Which block is used to add two signals in Simulink? a) Sum block b) Product block c) Gain block d) Integrator block	(A) ✓
18	What is the purpose of the Scope block in Simulink? a) To display the output of a signal b) To generate a sinusoidal signal c) To integrate a signal d) To delay a signal	(A) ✓
19	How do you simulate a Simulink model? a) By running the model directly b) By using the sim command c) By pressing the F5 key d) All of the above	(D) ✓
20	What is the role of the Solver configuration parameters in Simulink? a) To define the numerical integration method b) To specify the simulation start and stop times c) To set the sample time of the simulation	(A) ✓

NAME OF THE PROGRAM: Value added course on MATLAB/SIMULINK

Programming for Industrial Application

DURATION OF THE PROGRAM: 18-09-2023 to 03-10-2023

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	20NT1A0201	BONDA DEVI	IV Year	EEE	A+
2	20NT1A0202	KATTA HEMANTH SWAMY	IV Year	EEE	A+
3	20NT1A0206	PEYYALA PRADEEP KUMAR	IV Year	EEE	A+
4	21NT5A0201	ADITYA PRADHAN	IV Year	EEE	A+
5	21NT5A0203	AMARAPINI MADHAN KUMAR	IV Year	EEE	A
6	21NT5A0205	ANNEPU SANDHYA	IV Year	EEE	B
7	21NT5A0207	BANDARU KUMARA SWAMY	IV Year	EEE	A+
8	21NT5A0210	BODDETI BALAJI ARUN	IV Year	EEE	A+
9	21NT5A0211	BOMMIDI GOPALAKRISHNA	IV Year	EEE	A+
10	21NT5A0212	BUDATA DAIVAKRUPA	IV Year	EEE	A+
11	21NT5A0214	CHEEPURUPALLI BANGARUTHALLI	IV Year	EEE	B
12	21NT5A0215	CHINTA GANESH KUMAR	IV Year	EEE	A+
13	21NT5A0217	CHIPPADA JAYA SREE	IV Year	EEE	O
14	21NT5A0218	DAMME NOOKARAJU	IV Year	EEE	A+
15	21NT5A0219	DARAPU MAHESH	IV Year	EEE	O
16	21NT5A0220	DISKA DILEEP KUMAR	IV Year	EEE	A+
17	21NT5A0221	DUPPATLA GOWRISANKAR	IV Year	EEE	A+
18	21NT5A0222	M DURGA MANIKANTA PRASAD	IV Year	EEE	A+
19	21NT5A0223	ELLAPU SHANMUKHA KIRAN	IV Year	EEE	A+
20	21NT5A0225	GANNE SAGAR	IV Year	EEE	A+
21	21NT5A0229	HANUMANTHU LIKHITHA	IV Year	EEE	A
22	21NT5A0230	JEERU DURGA SAI	IV Year	EEE	A+
23	21NT5A0232	KAMPARA GIRI VARDAN	IV Year	EEE	A+
24	21NT5A0233	KARAKAVALASA GULSHAN KUMAR	IV Year	EEE	A+
25	21NT5A0236	MADDALA SUNIL	IV Year	EEE	A+
26	21NT5A0237	MALLA SURYA BHARGAV	IV Year	EEE	A+
27	21NT5A0239	MATTAMMUKKU ANIL KUMAR	IV Year	EEE	A+
28	21NT5A0240	MOLLI JYOSHNA	IV Year	EEE	A+
29	21NT5A0241	MOLLI RAMA LAKSHMI	IV Year	EEE	A+

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
30	21NT5A0242	MUDDURTHI REVATHI	IV Year	EEE	
31	21NT5A0244	NANDINI MARPU	IV Year	EEE	A+
32	21NT5A0245	PATINA CHANIKYA	IV Year	EEE	A+
33	21NT5A0247	PEELA PRASANTH KUMAR	IV Year	EEE	A
34	21NT5A0249	PENUMUCHI KARTHIK	IV Year	EEE	A+
35	21NT5A0250	PILLA LALITHA	IV Year	EEE	A+
36	21NT5A0252	PRAGADA ANIL KUMAR	IV Year	EEE	A+
37	21NT5A0253	PUJARI RAGHAVA PRASAD	IV Year	EEE	A+
38	21NT5A0254	RAJANA MANASA	IV Year	EEE	A+
39	21NT5A0258	SANAPATHI LEELA KRISHNA	IV Year	EEE	A+
40	21NT5A0259	SEEPANA JAYA PRAKASH	IV Year	EEE	O
41	21NT5A0260	SHAIK SHAREEF	IV Year	EEE	A+
42	21NT5A0261	SINGAMPALLI MOUNIKA	IV Year	EEE	A+
43	21NT5A0264	SIRIGIRI GAYATHRI	IV Year	EEE	A+
44	21NT5A0265	TERLAPU KIRAN	IV Year	EEE	A+
45	21NT5A0266	TUMMAGUNTA DAMODARA RAO	IV Year	EEE	O
46	21NT5A0269	VEMAVARAPU SAI	IV Year	EEE	A+
47	21NT5A0270	VENNALA GANESH	IV Year	EEE	A+
48	21NT5A0271	YADLA JAGADEESH	IV Year	EEE	A+
49	21NT5A0272	ALLA DINESH	IV Year	EEE	A+
50	21NT5A0273	BODDEPALLI SRINIVASA RAO	IV Year	EEE	A+
51	21NT5A0274	BOLIVASETTI VASANTH	IV Year	EEE	O
52	21NT5A0278	DUKKA MOHAN KUMAR	IV Year	EEE	A+
53	21NT5A0282	KOTHAPELLI KIRAN	IV Year	EEE	A+
54	21NT5A0283	MULAGAPAKA DILLESWAR RAO	IV Year	EEE	A+
55	21NT5A0286	SAMMINGI PAVAN	IV Year	EEE	A+
56	21NT5A0288	VEMANA SHANMUKHI	IV Year	EEE	A+
57	21NT5A0290	VIJAY MOHAN KUMAR P	IV Year	EEE	A+
58	21NT5A0293	ANDHRONA JANAKI SATISH	IV Year	EEE	O
No. of students getting more than A+					49
% of students getting more than A+					80.3%

O: 17-20 A+: 13-16 A: 9-12 B+: 5-8 B: 0-4

CO - ATTAINMENT: Course is successfully completed with Attainment-2

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Kapuluppada, Visakhapatnam-531 127

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

REQUISITION LETTER

Date: 20-12-2023

From
Mr.K.S.B. VARAPRASAD
Head of the Department
Department of Electrical and Electronics Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Electrical and Electronics Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Weeks	Availability in Curriculum
Recent Trends in PLC & HMI	29-12-2023 to 11-01-2024	Two Weeks	No

Thanking You,

Yours faithfully,

Ref:VIET/EEE/2023-24 **Date: 21-12-2023**

CIRCULAR

All the EEE Students of III B-Tech II Semester are hereby informed that **"A Two Week Value Added Course on "RECENT TRENDS IN PLC & HMI"**will be conducted from 29-12-2023 to 11-01-2024. All interested candidates can enrol their names with Mr.B.Ganesh, Asst.Professor, and Dept. of EEE on or before 28-12-2023. The details of the topics and resource person are available in the brochure displayed in the EEE department notice board

Venue: Online Lab, CSE Department, Visakha Institute of Engineering & Technology

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
6th Division, Narava, VISAKHAPATNAM-27

IQAC	R&D	CIVIL	EEE	MEJ AME	ECE	CSE	BS&H	MBA	MCA

Visakha Institute of Engineering & Technology (VIET)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U, Kakinada)

A Two Week Value Added Course on "RECENT TRENDS IN PLC & HMI"

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated To :
5. Branch & Year of Study :
6. Address for Communication :

7. Contact Phone No. :
8. E-Mail ID :
9. Signature of the Participant(s):

Date:

Station:

PRINCIPAL

Chief Patron :

Sri G. Satyanarayana
Chairman

Patron:

Dr. V. Sridhar Patnaik
Principal

Convener:

K.S.B.Vara Prasad
HoD, EEE

Co-ordinators :

Mr. B. Ganesh, Asst. Prof
Mr. T.Sunilesh, Asst. Prof.

Advisory Committee:

Mr. UdayBhaskar, HoD, BS &H
Ms. A.S.C Tejaswini Kore,HoD,CSE
Ms. V.Bhargavi,HoD, Civil
Dr. T.Satyanarayana, HoD, Mech& AME
Dr. A. Tulasi Nandu,HoD, MBA

For further details contact :

Mr. B. Ganesh,
Asst. Prof, Department of EEE,
VIET, Visakhapatnam

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VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

A Two Week Value Added Course on "RECENT TRENDS IN PLC & HMI"

On

29 Dec 2023 – 10th Jan, 2024

Organized By

Department of Electrical and Electronics Engineering

Visakha Institute of Engineering & Technology

(Approved by AICTE & Affiliated to JNTUK, Kakinada, A.P)

88th Division, Narava

VISAKHAPATNAM - 530 027

Andhra Pradesh, INDIA

ABOUT COLLEGE:

Vinakha Institute of Engineering and Technology (VIET) was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to our cause that is to create and develop educational facilities, in order to train deserving young students.The College is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 20 acres of scenic landscapewhich is an ideal place.

ABOUT THE DEPARTMENT:

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering strives to produce highly competent engineers equipped with advanced professional knowledge, professional and ethical attitude, entrepreneurial thinking, analytical skills and critical problem solving through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, has been constantly carrying out research on many cutting edge technologies.

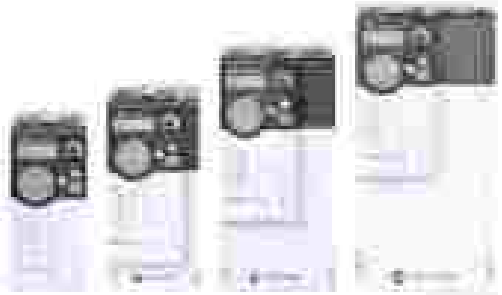
The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Conferences, Improvement Programs leading to enhance personalities from Industry and academic institutions, Seminars and Research activities.

ABOUT THE TWO WEEK VALUE ADDED COURSE:

Making participants familiar / work with "RECENT TRENDS IN PLC & HMI". To impart knowledge about fundamentals of Programming Logic control, is an industrial controller that has been upgraded and adapted for the control of manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis.

CONTENTS OF THE TWO WEEK VALUE ADDED COURSE:

- A PLC's most important components are its CPU, I/O modules, and rack and power supply.
- Processor: The processor is also called the CPU which means central processing unit.
- Rack/Mounting: A PLC unit is formed by combining a number of components.
- Input Assembly:-
- Output Assembly:-
- Power Supply:-
- Programming Device/Unit



Resource Person:

Mr. CH B R SRIKANTH,
Assistant Professor,
EEE,
Vinakha Institute of Engineering & Technology
VISAKHAPATNAM.

Organizing Committee:

Mr. B. Ganesh, Asst. Prof.
Mr. T. Santosh, Asst. Prof.
Mr. Mohan Krishna, Lecturer
Ms. R. Muthulakshmi, Asst. Prof.
Ms. K. Jyothi Rani Asst. Prof

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VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

SYLLABUS

Course Objectives:
Field Level, Control Level, Supervisory Level, Planning Level, Management Level. Can get Knowledge on different modes of Operation. Discussion on Alarm operating systems and Administration using HMI. Understand the Important properties of recipe view on HMI. Communication Industrial Communication Protocols.

Course Outcomes: On completion of this course, the students will be able to

- Understand b Field Level, Control Level, Supervisory Level, Planning Level, Management Level.
- Can get Knowledge on different modes of Operation.
- Discussion on Alarm operating systems and Administration using HMI.
- Understand the Important properties of recipe view on HMI. Communication Industrial Communication Protocols.

UNIT-1: Introduction to HMI: Topics to be covered, Automation Pyramid, Field Level, Control Level, Supervisory Level, Planning Level, Management Level, What is HMI?, Industrial HMI, HMI Operation, HMI Features.

UNIT-2: Communicating PLC to HMI: Communicating PLC to HMI, Task, Creating a Project, Basic Language Settings, Enable Transfer mode in HMI, Compiling the Project, Downloading the Project, Inserting your own graphics in Graphic View, Displaying the Date and time.

Alarm System in HMI : Alarms in HMI, Alarm functionality, Components and properties of Alarms, Steps in configuring an alarm, Alarm classes, Alarm indiscreet alarms, Analog alarm, Displaying alarms, Alarm View, Alarm view properties, Task.

User Administration in HMI : Structure of the user administration, Topics to be covered, Structure of the user administration, Password aging, Configuring user view, Administering users in runtime, Configuring a log on dialog, Task.

UNIT-3:Recipe: Recipe management in HMI, Recipe Structure of Recipe, Recipe Management, Important properties of recipe view, Important properties of recipe view, Adapting the recipe view table, Task.

UNIT-4: Communication Protocols in HMI & PLC : Communication Protocols, RS232, RS422, RS485, Industrial Communication Protocols, Point to Point interface (PPI), Multi Point interface (MPI), Profibus, History of PROFIBUS, History of PROFIBUS, Profibus PA, Profinet, Profinet network in industries, Communication protocols & specifications.

UNIT-5: CPU-CPU Communication: CPU-CPU (S7 Communication), CPU-CPU (S7 Communication), S7 communication through GET/PUT, GET- Read data from a remote CPU, Assigning Partner CPU, Enable clock memory, GET configuration, PUT configuration, Task.

Name of the program: A TWO WEEK VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	29 /12/2023	Introduction about the training units used in the training program
2	30/12/2023	Overview of Software Like Portfolio of software licensing, Operating System requirement & Software component.
3	01/01/2024	Devices and Networks like Configuration and Parameterization of hardware.
4	02/01/2024	Binary and Digital Operations like NO/ NC contact concept, RLO concept.
5	03/01/2024	Binary logic operation & monitoring of block Use of data block, different data types, Timer & counter concept in Software
6	04/01/2024	Addressing of Input & output module, uploading of hardwire
7	05/01/2024	Introduction to HMI like interface of Touch panel, data exchange between HMI & CPU, commission of Touch panel with a project.
8	06/01/2024	Analog Value Processing like principle, parameterize of analog module, Addressing, resolution of a module, etc
9	08/01/2024	PLC to PLC Communication using ISO on TCPIP Protocol.
10	09/01/2024	Suggested Solutions
11	10/01/2024	PLC Security and cyber security
12	11/01/2024	PLC and Internet of things (IoT)

PROGRAM CO-ORDINATOR

HoD

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Kapuluppada, Visakhapatnam-530 027

STUDENTS SIGNATURE LIST

A TWO WEEK VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

AY 2023-24

1	21NT1A0202	YELLAJEE KAMBALA	K. yellaje
2	21NT1A0203	SALOMI KUDA	K. Salomi
3	21NT1A0204	JAGADEESH SAI PAVAN MANGIPUDI	M. Pavan.
4	21NT1A0205	YASHODAR VARMA PRASANGI	P. Yashodhar Varma
5	21NT1A0206	SOMESWARA SAI KRISHNA MIRTHIPATI	M. Sai Krishna
6	21NT1A0207	ROHITH TAMADA	T. Rohitha
7	21NT1A0208	LAKSHMAN POTTI	Lakshman potti
8	22NT5A0201	ADIADA SIVA	A. Siva
9	22NT5A0202	ANGANI JAYA SATYA VARMA	A. S. Varma
10	22NT5A0204	BATHULA PAVAN KUMAR	B. Pavan kumar
11	22NT5A0205	BELIPURAM SIVAJI	B. SIVAJI
12	22NT5A0206	BOKAM MADHU	B. Madhu
13	22NT5A0209	CHINTAPALLI JAI NAVEEN KUMAR	C. Naveen.
14	22NT5A0210	CHOKKAKULA DEVIKA	Ch. Devika
15	22NT5A0212	DASARI SRINIVAS	D. SRINIVAS
16	22NT5A0213	DOLA HARISH	D. Harish.
17	22NT5A0214	EEGALA BHARGAVI	E. Bhargavi
18	22NT5A0215	EERLI BALARAM HARI	E. Balaram Hari
19	22NT5A0218	GATHADA VIJAY NEERAJ	G. Vijay Neeraj
20	22NT5A0219	GAVARA MOUNICA	Mouni ca.
21	22NT5A0220	GOLAGANI PAVAN KUMAR	G. Pavan Kumar
22	22NT5A0224	JALDU SAI SWAROOP	J. Swaroop
23	22NT5A0225	JAMI VASU	J. vasu
24	22NT5A0226	JERRIPOTULA NIRANJAN	J. Niranjan
25	22NT5A0227	KADARI SAMPATH	Sampath
26	22NT5A0228	KANCHIPATI JYOTHI SWAROOP	Swaroop
27	22NT5A0229	KANDI VASUNDHARA	K. Vasundhara
28	22NT5A0230	KANISETTY MOHAN KISHOR	K. Mohan Kishor
29	22NT5A0231	KANTHI MOUNIKA	K. Mounika
30	22NT5A0232	KATAM TANUJA	K. Tanuja
31	22NT5A0233	KOLLIVALASA VAMSIKRISHNA	K. vamsi
32	22NT5A0235	LAVETI RAMANA	L. Ramana

33	22NT5A0236	MOKA DIVYA SRI	M. Divya sri
34	22NT5A0237	MYDI MALATHI	M. Malathi
35	22NT5A0238	NAMMI HEMALATHA	N. hemalatha
36	22NT5A0241	PALLAM LALITHA	P. Lalitha
37	22NT5A0242	PANGI RAMBABU	P. Ram Babu
38	22NT5A0243	PENDHIREDDI SIVANAGA SAI	Siva
39	22NT5A0245	RAJANA VAMSI KRISHNA	R. vamsi krishna
40	22NT5A0247	REESU GIRISH	R. Girish
41	22NT5A0248	SALAPU SAMPATH KUMAR	S. Sampath
42	22NT5A0249	SASUBILLI VAMSI KRISHNA	Sr. V. Krishna
43	22NT5A0250	SOMALAPALLI ANANDABABU	A. Babu
44	22NT5A0251	SORNAPUDI NIKHIL	S. Nikhil
45	22NT5A0252	SUNKE NEELIMA	S. Neelima
46	22NT5A0253	SURI DILEEP	S. Dileep
47	22NT5A0255	SURYA PRAKASH RUNJALA	
48	22NT5A0256	T PAYANI	T. Payani
49	22NT5A0258	TEKETI SHYAM PRANEETH	T. Shyam
50	22NT5A0259	THOTADA SURENDRA	T. Surendra
51	22NT5A0261	URUKUTI ASWINI	U. Aswini
52	22NT5A0263	VECHALAPU PAVAN	Pavan
53	22NT5A0264	YEDLA PRASAD	Y. Prasad
54	22NT5A0265	YELLE KRISHNA BABU	Y. Babu
55	22NT5A0266	YERRA VENKATA KAMESWARA RAO	
56	22NT5A0267	ANGADI SRI DURGA TARUN KUMAR	Tarun Kumar
57	22NT5A0268	BURADA DIVYA SRI	B. Divya Sri
58	22NT5A0269	BADIREDDY DEVI SURYA PAVAN	
59	22NT5A0270	URIVITI YAMINI	U. Yamini
60	22NT5A0271	VANGALA SAI KIRAN	Sai Kiran
61	22NT5A0272	VIYYAPU NANI	V. Nani

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Narava, Visakhapatnam-530 027.

HOD

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INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
NAAC
ISO
COLLEGE CODE
VSPT

DAYWISE ATTENDENCE

S.No	Regd.No.	Name of the Student	DATE & HOUR											
1	21NT1A0202	KAMBALA YELLAJEE	P	P	P	A	P	P	P	P	P	P	P	P
2	21NT1A0203	KUDA SALOMI	P	P	P	P	P	A	P	P	A	P	P	P
3	21NT1A0204	MANGIPUDI JAGADEESH SAI PAVAN	P	P	P	P	P	P	P	P	P	P	P	P
4	21NT1A0205	PRSANGI YASODHAR VARMA	P	P	A	P	P	P	P	A	P	P	P	A
5	21NT1A0206	MIRTHPATI SOMESWARA SAI KRISHNA	P	P	P	P	A	P	P	P	P	A	P	P
6	21NT1A0207	TAMADA ROHITH	P	A	P	P	P	P	P	P	P	P	P	P
7	21NT1A0208	POTTI LAKSHMAN	P	P	P	P	P	P	A	P	P	P	P	P
8	22NT5A0201	ADIADA SIVA	P	P	P	P	P	P	P	P	P	P	A	P
9	22NT5A0202	ANGANI JAYA SATYA VARMA	P	P	A	P	P	P	P	P	P	P	P	P
10	22NT5A0204	BATHULA PAVAN KUMAR	A	P	P	P	P	A	P	P	P	P	P	P
11	22NT5A0205	BEJJIPURAM SIVAJI	P	P	P	P	P	P	P	P	P	P	P	P
12	22NT5A0206	BOKAM MADHU	P	P	P	A	A	P	P	P	A	P	P	P
13	22NT5A0209	CHINTAPALLI JAI NAVEEN KUMAR	P	A	P	P	P	P	P	P	P	P	P	P
14	22NT5A0210	CHOKKAKULA DEVIKA	P	P	P	P	P	P	P	P	P	P	P	A
15	22NT5A0212	DASARI SRINIVAS	A	P	P	P	P	P	P	P	P	P	P	P
16	22NT5A0213	DOLA HARISH	P	P	P	P	P	P	A	P	P	A	P	P
17	22NT5A0214	EEGALA BHARGAVI	P	P	A	P	P	P	P	P	P	P	P	P
18	22NT5A0215	EERLI BALARAM HARI	P	P	P	P	P	P	P	A	P	P	P	P
19	22NT5A0218	GATHADA VIJAY NEERAJ	P	P	P	P	P	P	P	P	P	P	A	P
20	22NT5A0219	GAVARA MOUNICA	P	P	P	P	A	P	P	P	P	P	P	P
21	22NT5A0220	GOLAGANI PAVAN KUMAR	P	A	A	P	P	P	P	P	A	P	P	P
22	22NT5A0224	JALIJI SAI SWAROOP	P	P	P	A	P	P	P	P	P	P	P	P
23	22NT5A0225	JAMI VASU	P	P	P	P	P	A	P	P	P	P	P	A
24	22NT5A0226	JERRIPOTULA NIRANJAN	A	P	A	P	P	P	A	P	P	P	P	P
25	22NT5A0227	KADARI SAMPATH	P	P	P	P	P	P	P	P	P	P	P	P
26	22NT5A0228	KANCHIPATI JYOTHI SWAROOP	P	P	P	P	A	P	P	P	A	P	A	P
27	22NT5A0229	KANDI VASUNDHARA	P	P	P	P	P	P	P	A	P	P	P	A

Date: 12-01-2024

PROGRAM REPORT

Name of the Event: A TWO WEEK VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

Dates: 29-12-2023 to 10-01-2024

Resource Person: CH.B.R.SRIKANTH
Assistant Professor EEE,
Visakha Institute of Engineering & Technology
Email id: chbrsrikanth@gmail.com
Contact number: 6303985996

Name of the Coordinator: Mr. B. Ganesh
Number of students attended: 61
Venue: Online Lab, CSE Department

Objective of the program:

Manufacturing processes, such as assembly lines, machines, robotic devices, or any activity that requires high reliability, ease of programming, and process fault diagnosis.

Topics Covered:

- A PLC's most important components are its CPU, I/O modules, and rack and power supply.
- Processor: The processor is also called the CPU which means central processing unit.
- Rack Mounting: A PLC unit is formed by combining a number of components.
- Input Assembly: ...
- Output Assembly: ...
- Power Supply: ...
- Programming Device Unit

Outcomes of the program:

At the end of the course, the student will be able to

- To acquire the knowledge of selection of Logic Controls as per practical operational industrial requirement
- To apply their knowledge to prepare control schemes as per different types of ease of programming, and process fault diagnosis in industries.

PROGRAM CO-ORDINATOR

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

COE
Center of Excellence

Pantech e Learning

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Mrs. ROHITH TAMADA *of* 21N1A0207 *has participated in* ***"A Two Week Value Added Course on "RECENT TRENDS IN PLC & HMI" from 29th Dec 2023– 10th Jan 2024*** *organized by Department of ELECTRICAL & ELECTRONICS ENGINEERING, at Centre of Excellence, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P.State, India.*

Director

Principal

VISAKHA

Approved by AICTE, New Delhi | Affiliated to JNTU-GV, Vizianagaram

NAAC | ISO | VSPT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSIGNMENT SHEET

Year/SEM: III / I
Course Type: VALUE ADDED COURSE
Course Name: RECENT TRENDS IN PLC & HMI
A.Y: 2025-2026
Branch: EEE
Duration: 20 Min
Maximum Marks: 20 M
D.T. No:

Marks Obtained: 19

S	N	I	S	A	0	2	1	A

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	**What is a PLC (Programmable Logic Controller)?** a) A type of computer used for general business applications b) A specialized computer control system for industrial automation c) A manual control system for industrial processes d) A software program used for designing control systems	(B)
2	**What is the primary function of a PLC in an industrial automation system?** a) To monitor and control input/output devices b) To provide power to the system c) To store and process data d) To communicate with other PLCs	(C)
3	**What is an HMI (Human-Machine Interface)?** a) A hardware device used to control PLCs b) A software program used to design PLCs c) A user interface that allows interaction with a PLC system d) A communication protocol used for PLCs and HMIs	(C)
4	**Which of the following is a common programming language used for PLCs?** a) C++ b) Python c) Ladder Logic d) Java	(C)
5	**What is the primary advantage of using a PLC over a relay-based control system?** a) High performance b) Lower complexity and cost c) Higher reliability d) All of the above	(D)
6	**What is the role of I/O modules in a PLC system?** a) To provide power to the PLC b) To communicate with other PLCs c) To interface with sensors and actuators d) To store the PLC program	(C)
7	**What is the purpose of a PLC's scan time?** a) The time to execute a single instruction b) The time to complete one cycle of input reading, program execution, and output updating c) The time to communicate with other devices d) The time to power on the PLC	(B)
8	**What is the significance of redundancy in a PLC system?** a) To improve performance b) To reduce cost c) To increase reliability d) To simplify programming	(C)
9	**What is the role of an HMI in an industrial automation system?** a) To monitor and control the process automatically b) To provide a user-friendly interface for operators c) To store historical data for long-term analysis d) To communicate with other PLCs automatically	(B)
10	**What are some common features of modern HMIs?** a) Touchscreens, alarms, and trend graphs b) Keyboard and mouse only c) Command line interface d) None of the above	(A)
11	**What is the significance of remote monitoring and control in PLC and HMI systems?** a) It is not used for remote purposes b) It improves system efficiency and reliability c) It is only necessary for small systems d) All of the above	(B)
12	**What is the role of cyber security in PLC and HMI systems?** a) Protecting system investment costs b) Ensuring data privacy and confidentiality c) Maintaining system integrity and availability d) All of the above	(D)
13	**What is the significance of IoT (Internet of Things) in industrial automation?** a) Increased communication between devices b) Remote monitoring and control capabilities c) Improved system efficiency and productivity d) All of the above	(D)
14	**What is the role of artificial intelligence (AI) in PLC and HMI systems?** a) Automated decision-making b) Improved system performance c) Predictive maintenance d) All of the above	(D)
15	**What is the significance of virtual and augmented reality in PLC and HMI systems?** a) Increased training and simulation b) Remote troubleshooting and maintenance c) Improved system efficiency and productivity d) All of the above	(D)
16	**What is the role of machine learning in PLC and HMI systems?** a) To enhance control strategies and improve system performance b) To replace traditional programming languages c) To increase user interface design d) To provide cost	(A)
17	**What is the trend towards edge computing in industrial automation?** a) Centralizing data processing in a cloud b) Processing data closer to the source, reducing latency c) Relying solely on local processing power d) Eliminating the need for network connectivity	(B)
18	**What is the role of digital twins in industrial automation?** a) Creating physical replicas of digital systems b) Creating virtual replicas of physical assets for simulation and optimization c) Replacing physical assets with digital counterparts d) Simulating human behavior in industrial processes	(B)
19	**What is the impact of Industry 4.0 on PLC and HMI systems?** a) Decreased automation and increased manual labor b) Reduced data analysis and insight generation c) Increased reliance on proprietary technologies d) Increased connectivity, automation, and data-driven decision-making	(D)
20	**What is the future trend for PLC and HMI systems?** a) Decreased integration with other technologies b) Reduced focus on cybersecurity c) Simplification of system architectures d) Integration with advanced technologies like AI, IoT, and cloud computing	(D)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III-I
Course Type: VALUE ADDED COURSE
Course Name: RECENT TRENDS IN PLC & HMI
A.Y: 2023-2024
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20 M
Marks Obtained: 17
H.T. No.: 23N15A0219

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARK

S.NO	QUESTIONS	ANSWERS
1	What is a PLC (Programmable Logic Controller)? a) A type of computer used for general-purpose applications b) A specialized computer control system for industrial processes c) A wireless network system for industrial processes d) A software program used for designing control systems	(B)
2	What is the primary function of a PLC in an industrial automation system? a) To monitor and control environmental conditions b) To provide power to the system c) To store and process data d) To communicate with other PLCs	(A)
3	What is an HMI (Human Machine Interface)? a) A software program used to design PLCs b) A wireless network that allows communication between PLCs c) A user interface that allows interaction with a PLC system d) A communication protocol used by PLCs and HMIs	(C)
4	Which of the following is a common programming language used for PLCs? a) C++ b) Python c) Ladder Logic d) Java	(B)
5	What is the primary advantage of using a PLC over a relay-based control system? a) Higher performance b) Easier to program and maintain c) Lower reliability d) All of the above	(B)
6	What is the role of I/O modules in a PLC system? a) To provide power to the PLC b) To communicate with other PLCs c) To interface with sensors and actuators d) To store the PLC program	(C)
7	What is the purpose of a PLC's scan time? a) The time to execute a single instruction b) The time to complete one cycle of input/output operations and program execution c) The time to communicate with other devices d) The time to power on the PLC	(B)
8	What is the significance of redundancy in a PLC system? a) To improve performance b) To reduce cost c) To increase reliability d) To simplify programming	(C)
9	What is the role of an HMI in an industrial automation system? a) To monitor and control the process automatically b) To provide a user-friendly interface for operators c) To store historical data without operator intervention d) To communicate with other PLCs and panels	(B)
10	What are some common features of modern HMIs? a) Touchscreens, alarms, and trend graphs b) Keyboards and mouse only c) Limited to one screen d) None of the above	(A)
11	What is the significance of remote monitoring and control in PLC and HMI systems? a) Reduced need for on-site personnel b) Improved system efficiency and reliability c) Real-time monitoring and control from anywhere d) All of the above	(D)
12	What is the role of cyber security in PLC and HMI systems? a) Protecting against unauthorized access b) Ensuring data privacy and confidentiality c) Maintaining system integrity and availability d) All of the above	(D)
13	What is the significance of IoT (Internet of Things) in industrial automation? a) Increased connectivity between devices b) Remote monitoring and control capabilities c) Improved system efficiency and productivity d) All of the above	(D)
14	What is the role of artificial intelligence (AI) in PLC and HMI systems? a) Automated decision-making b) Optimized system performance c) Predictive maintenance d) All of the above	(D)
15	What is the significance of virtual and augmented reality in PLC and HMI systems? a) Immersive training and simulations b) Remote troubleshooting and maintenance c) Improved system efficiency and productivity d) All of the above	(D)
16	What is the role of machine learning in PLC and HMI systems? a) To optimize control algorithms and improve system performance b) To replace traditional programming languages c) To eliminate user interface design d) To provide cost	(A)
17	What is the typical network range considering in industrial automation? a) Centralized data processing in the cloud b) Processing data closer to the source, reducing latency c) Relying solely on cloud processing power d) Eliminating the need for network connectivity	(B)
18	What is the role of digital twins in industrial automation? a) Creating physical replicas of digital systems b) Creating virtual replicas of physical assets for simulation and optimization c) Replacing physical assets with digital counterparts d) Simulating human behavior in industrial processes	(B)
19	What is the impact of Industry 4.0 on PLC and HMI systems? a) Decreased automation and increased manual labor b) Reduced data usage and simple systems c) Increased reliance on proprietary technologies d) Increased connectivity, automation, and data-driven decision-making	(D)
20	What is the future trend for PLC and HMI systems? a) Reduced emphasis on cybersecurity b) Increased focus on cyber security c) Simplification of systems architecture d) Integration with advanced technologies like AI, IoT, and cloud computing	(D)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSIGNMENT SHEET

Year/SEM: III-I
Course Type: VALUE ADDED COURSE
Course Name: RECENT TRENDS IN PLC & HMI
A.Y: 2023-2024
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20 M
Marks Obtained: 17
H.T. No. 23N T5A0204

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What is a PLC (Programmable Logic Controller)? a) A type of computer used for general-purpose applications b) A specialized computer control system for industrial automation c) A network control system for industrial processes d) A software program used for designing control systems	B
2	What is the primary function of a PLC in an industrial automation system? a) To monitor and control input/output devices b) To provide power to the system c) To store and process data d) To communicate with other PLCs	A
3	What is an HMI (Human Machine Interface)? a) A hardware device used to control PLCs b) A software program used to design PLCs c) A user interface that allows interaction with a PLC system d) A communication protocol used by PLCs and HMIs	C
4	Which of the following is a common programming language used for PLCs? a) C++ b) Python c) Ladder Logic d) Java	C
5	What is the primary advantage of using a PLC over a relay-based control system? a) High performance b) Ease of program and maintain c) Higher reliability d) All of the above	C
6	What is the role of I/O modules in a PLC system? a) To provide power to the PLC b) To communicate with other PLCs c) To interface with sensors and actuators d) To store the PLC program	C
7	What is the purpose of a PLC's scan time? a) The time to execute a single instruction b) The time to complete one cycle of input/output operations and program execution c) The time to communicate with other devices d) The time to power on the PLC	B
8	What is the significance of redundancy in a PLC system? a) To improve performance b) To reduce cost c) To increase reliability d) To simplify programming	C
9	What is the role of an HMI in an industrial automation system? a) To control and monitor the process automatically b) To provide a user-friendly interface for operators c) To store historical data without operator intervention d) To communicate with other PLCs exclusively	B

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10	What are some common features of modern HMIs? a) Touchscreens, icons, and mouse inputs b) Keyboards and mouse only c) Command-line interfaces d) None of the above	A
11	What is the significance of remote accessibility and control in PLC and HMI systems? a) Reduced need for on-site personnel b) Improved system reliability and efficiency c) Real-time monitoring and control from anywhere d) All of the above	B
12	What is the role of cyber security in PLC and HMI systems? a) Protecting against unauthorized access b) Ensuring data privacy and confidentiality c) Maintaining system integrity and availability d) All of the above	D
13	What is the significance of IoT (Internet of Things) in industrial automation? a) Enhanced communication between devices b) Remote monitoring and control capabilities c) Improved system efficiency and productivity d) All of the above	D
14	What is the role of artificial intelligence (AI) in PLC and HMI systems? a) Automated decision-making b) Optimized system performance c) Predictive maintenance d) All of the above	D
15	What is the significance of virtual and augmented reality in PLC and HMI systems? a) Immersive training and simulation b) Remote troubleshooting and maintenance c) Improved operator efficiency and productivity d) All of the above	D
16	What is the role of machine learning in PLC and HMI systems? a) To optimize system performance and improve uptime b) To enhance human-machine interaction c) To enhance user interface design d) To predict cost	A
17	What is the trend towards edge computing in industrial automation? a) Centralizing data processing in a cloud b) Processing data closer to the source, reducing latency c) Relying solely on local processing power d) Eliminating the need for network connectivity	B
18	What is the role of digital twins in industrial automation? a) Creating physical replicas of digital systems b) Creating virtual replicas of physical assets for simulation and optimization c) Replacing physical assets with digital counterparts d) Eliminating human interaction in industrial processes	B
19	What is the impact of Industry 4.0 on PLC and HMI systems? a) Decreased automation and increased manual labor b) Reduced data usage and simpler systems c) Increased reliance on proprietary technologies d) Increased connectivity, interoperability, and data-driven decision-making	D
20	What is the future trend for PLC and HMI systems? a) Decreased integration with other technologies b) Reduced focus on cyber security c) Simplification of system architecture d) Integration with advanced technologies like AI, IoT, and cloud computing	D

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year & Sem: III / I
Course Type: SKILL ADDED COURSE
Course Name: RECENT TRENDS IN PLC & HMI
A.Y: 2023-2024
Branch: EEE
Duration: 20 Min
Maximum Marks: 20 M
Marks Obtained: 16
H.T. No:

2	2	N	T	5	A	0	2	6	3

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARK

S.No	QUESTIONS	answers
1	What is a PLC (Programmable Logic Controller)? a) A type of computer used for general-purpose applications b) A specialized computer control system for industrial environments c) A manual control system for industrial processes d) A software program used for designing control systems	b
2.	What is the primary function of a PLC in an industrial automation system? a) To display and control environmental factors b) To provide power to the system c) To store and process data d) To communicate with other PLCs	a
3	What is an HMI (Human-Machine Interface)? a) A hardware device used to control PLCs b) A software program used to design PLCs c) A user interface that allows interaction with a PLC system d) A communication protocol used for PLCs and HMIs	c
4	Which of the following is a common programming language used for PLCs? a) C++ b) Python c) Ladder Logic d) Java	c
5	What is the primary advantage of using a PLC over a relay-based control system? a) High performance b) Ease of programming and interface c) Higher reliability d) All of the above	b
6	What is the role of I/O modules in a PLC system? a) To provide power to the PLC b) To communicate with other PLCs c) To interface with sensors and actuators d) To store the PLC program	c
7	What is the purpose of a PLC's scan time? a) The time to execute a single instruction b) The time to complete one cycle of input, output operations, and program execution c) The time to communicate with other devices d) The time to power on the PLC	b
8	What is the significance of redundancy in a PLC system? a) To improve performance b) To reduce cost c) To increase reliability d) To simplify programming	c
9	What is the role of an HMI in an industrial automation system? a) To control and monitor the process automatically b) To provide a user-friendly interface for operators c) To store historical data without operator intervention d) To communicate with other PLCs exclusively	b
10	What are some common features of modern HMIs? a) Touchscreens, alarms, and trend graphs b) Keyboards and mouse only c) Limited to text displays d) None of the above	a
11	What is the significance of remote monitoring and control in PLC and HMI systems? a) Reduced need for on-site personnel b) Increased system efficiency and reliability c) Real-time monitoring and control from anywhere d) All of the above	a
12	What is the role of cyber security in PLC and HMI systems? a) Preventing system installation errors b) Protecting data privacy and confidentiality c) Maximizing system capacity and performance d) All of the above	b
13	What is the significance of IoT (Internet of Things) in industrial automation? a) Enhanced connectivity for remote devices b) Limited monitoring and control capabilities c) Increased system efficiency and productivity d) All of the above	c
14	What is the role of artificial intelligence (AI) in PLC and HMI systems? a) Automated decision-making b) Limited system performance c) Reduced maintenance d) All of the above	a
15	What is the significance of virtual and augmented reality in PLC and HMI systems? a) Immersive training and simulation b) Reduced troubleshooting and maintenance c) Improved operator efficiency and productivity d) All of the above	a
16	What is the role of machine learning in PLC and HMI systems? a) To optimize control strategies and improve system performance b) To replace traditional programming languages c) To eliminate user interface design d) To provide wifi	a
17	What is the trend towards edge computing in industrial automation? a) Centralizing data processing in a cloud b) Processing data closer to the source, reducing latency c) Reducing overall system processing power d) Eliminating the need for network connectivity	b
18	What is the role of digital twins in industrial automation? a) Creating physical replicas of digital systems b) Creating virtual replicas of physical assets for simulation and optimization c) Replacing physical assets with digital counterparts d) Eliminating human interaction in industrial processes	b
19	What is the impact of Industry 4.0 on PLC and HMI systems? a) Decreased automation and increased manual labor b) Reduced data usage and limited connectivity c) Increased reliance on proprietary technologies d) Increased automation, connectivity, and data-driven decision-making	d
20	What is the future trend for PLC and HMI systems? a) Decreased integration with other technologies b) Backward-looking innovation strategies c) Simplification of system architectures d) Integration with advanced technologies like AI, IoT, and cloud computing	d

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESSMENT SHEET

Year/SEM: III / I
Course Type: VALUE ADDED COURSE
Course Name: RECENT TRENDS IN PLC & HMI
A.Y: 2025-2026
Branch: EEE
Duration: 20 Mins
Maximum Marks: 20 M
H.T. No.

Marks Obtained: 17

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARK

S.NO	QUESTIONS	ANSWERS
1	What is a PLC (Programmable Logic Controller)? a) A type of calculator used for general purpose applications b) A specialized computer system used for industrial automation c) A manual control device for mechanical processes d) A software program used for designing control systems	B
2	What is the primary function of a PLC in an industrial automation system? a) To monitor and control input/output devices b) To provide power to the system c) To store and process data d) To communicate with other PLCs	A
3	What is an HMI (Human-Machine Interface)? a) A hardware device used to control PLCs b) A software program used to design PLCs c) A user interface that allows interaction with a PLC system d) A communication protocol used by PLCs and HMIs	C
4	Which of the following is a common programming language used for PLCs? a) C++ b) Python c) Ladder Logic d) Java	C
5	What is the primary advantage of using a PLC over a relay-based control system? a) High cost b) Ease of programming and flexibility c) Limited capability d) All of the above	B
6	What is the role of I/O modules in a PLC system? a) To provide power to the PLC b) To communicate with other PLCs c) To interface with sensors and actuators d) To store the PLC program	C
7	What is the purpose of a PLC's scan time? a) The time it executes a single instruction b) The time it completes one cycle of input/output operations and program execution c) The time it communicates with other devices d) The time it powers on the PLC	B
8	What is the significance of redundancy in a PLC system? a) To improve performance b) To reduce cost c) To increase reliability d) To simplify programming	C
9	What is the role of an HMI in an industrial automation system? a) To monitor and control the process automatically b) To provide a user-friendly interface for operators c) To store historical data without human intervention d) To communicate with other PLCs exclusively	B
10	What are some common features of modern HMIs? a) Touchscreens, physics, and sound effects b) Keyboards and mouse only c) Command-line interfaces d) None of the above	D
11	What is the significance of remote monitoring and control in PLC and HMI systems? a) Reduced need for on-site personnel b) Improved system efficiency and reliability c) Real-time monitoring and control from anywhere d) All of the above	D
12	What is the role of cyber security in PLC and HMI systems? a) Protecting against unauthorized access b) Ensuring data privacy and confidentiality c) Preventing system misuse and sabotage d) All of the above	D
13	What is the significance of Internet of Things (IoT) in industrial automation? a) Enhanced connectivity between devices b) Remote monitoring and control capabilities c) Improved system efficiency and productivity d) All of the above	D
14	What is the role of artificial intelligence (AI) in PLC and HMI systems? a) Automated decision-making b) Improved system performance c) Predictive maintenance d) All of the above	D
15	What is the significance of virtual and augmented reality in PLC and HMI systems? a) Immersive training and simulation b) Remote troubleshooting and maintenance c) Improved operator efficiency and productivity d) All of the above	D
16	What is the role of machine learning in PLC and HMI systems? a) To optimize control strategies and improve system performance b) To replace traditional programming languages c) To eliminate the need for human operators d) To provide security	A
17	What is the trend towards edge computing in industrial automation? a) Centralizing data processing in a cloud b) Processing data closer to the source, reducing latency c) Relying solely on local processing power d) Eliminating the need for network connectivity	B
18	What is the role of digital twins in industrial automation? a) Creating physical replicas of digital systems b) Creating virtual replicas of physical assets for simulation and optimization c) Replacing physical assets with digital counterparts d) Simulating human behavior in industrial processes	B
19	What is the impact of industry 4.0 on PLC and HMI systems? a) Decreased connectivity and increased manual labor b) Reduced data usage and security concerns c) Increased reliance on proprietary technologies d) Increased interoperability, connectivity, and data-driven decision-making	D
20	What is the future trend for PLC and HMI systems? a) The ongoing obsolescence with other technologies b) Reduced focus on cyber security c) Standardization of system architectures d) Integration with advanced technologies like AI, IoT, and cloud computing	D

NAME OF THE PROGRAM: VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

DURATION OF THE PROGRAM: 29-12-2023 to 11-01-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	21NT1A0202	YELLAJEE KAMBALA	III Year	EEE	A+
2	21NT1A0203	SALOMI KUDA	III Year	EEE	A+
3	21NT1A0204	JAGADEESH SAI PAVAN MANGIPUDI	III Year	EEE	A+
4	21NT1A0205	YASHODAR VARMA PRASANGI	III Year	EEE	A+
5	21NT1A0206	SOMESWARA SAI KRISHNA MIRTHIPATI	III Year	EEE	A
6	21NT1A0207	ROHITH TAMADA	III Year	EEE	B
7	21NT1A0208	LAKSHMAN POTTI	III Year	EEE	A+
8	22NT5A0201	ADHADA SIVA	III Year	EEE	A+
9	22NT5A0202	ANGANI LAVA SATYA VARMA	III Year	EEE	A+
10	22NT5A0204	BATHULA PAVAN KUMAR	III Year	EEE	A+
11	22NT5A0205	BEHERA RAM SIVAH	III Year	EEE	B
12	22NT5A0206	BOKAM MADHU	III Year	EEE	A+
13	22NT5A0209	CHINTAPALLI JAI NAVEEN KUMAR	III Year	EEE	O
14	22NT5A0210	CHOKSAKULA DEVIKA	III Year	EEE	A+
15	22NT5A0212	DASARI SRINIVAS	III Year	EEE	O
16	22NT5A0213	DOLA HARISH	III Year	EEE	A+
17	22NT5A0214	EEGALA BHARGAVI	III Year	EEE	A+
18	22NT5A0215	LERLI BALARAM HARI	III Year	EEE	A+
19	22NT5A0218	GATHADA VIJAY NEERAJ	III Year	EEE	A+
20	22NT5A0219	GAVARA MOUNICA	III Year	EEE	A+
21	22NT5A0220	GOLAGANI PAVAN KUMAR	III Year	EEE	A
22	22NT5A0224	JALDU SAI SWAROOP	III Year	EEE	A+
23	22NT5A0225	JAMI VASU	III Year	EEE	A+
24	22NT5A0226	JERRIPOTULA NIRANJAN	III Year	EEE	A+
25	21NT5A0429	MARTHALA VENU GOPAL REDDY	III Year	EEE	A+
26	21NT5A0430	MATRU NAGA BABU	III Year	EEE	A+
27	21NT5A0431	MULAGAPAKA TARUN	III Year	EEE	A+
28	21NT5A0432	MUNAKALA GANESWARI	III Year	EEE	A+

NAME OF THE PROGRAM: VALUE ADDED COURSE ON RECENT TRENDS IN PLC & HMI

DURATION OF THE PROGRAM: 20-12-2023 to 10-01-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	21NTEA0202	VELLAJEE KAMBALA	III Year	EEE	A-
2	21NTJA0203	SALOMI KUDA	III Year	EEE	A+
3	21NTJA0204	JAGADEESH SATPAVAN MANGHPUDI	III Year	EEE	A+
4	21NTJA0205	YASHODAR VARMA PRASANGI	III Year	EEE	A+
5	21NTJA0206	SOMESWARA SATKRISHNA MIRTHIPATI	III Year	EEE	A
6	21NTJA0207	ROHITH TAMADA	III Year	EEE	B
7	21NTJA0208	LAKSHMAN POTTI	III Year	EEE	A-
8	22NT5A0201	ADEADA SIVA	III Year	EEE	A+
9	22NT5A0202	ANGANI JAYA SATYA VARMA	III Year	EEE	A+
10	22NT5A0200	BATHULA PAVAN KUMAR	III Year	EEE	A-
11	22NT5A0205	BEZHPI RAM SIVAJI	III Year	EEE	B
12	22NT5A0200	BOKAM MADHU	III Year	EEE	A+
13	22NT5A0209	CHINTAPALLI JAI NAVEEN KUMAR	III Year	EEE	O
14	22NT5A0210	CHOKKAKULA DEVIKA	III Year	EEE	A+
15	22NT5A0212	DASARI SRINIVAS	III Year	EEE	O
16	22NT5A0213	DOLA HARISH	III Year	EEE	A+
17	22NT5A0214	EEGALA BHARGAVI	III Year	EEE	A+
18	22NT5A0215	JERLI BALARAM HARI	III Year	EEE	A+
19	22NT5A0218	GATHADA VIJAY NEERAJ	III Year	EEE	A+
20	22NT5A0219	GAVARA MOUNICA	III Year	EEE	A+
21	22NT5A0220	GOLAGANI PAVAN KUMAR	III Year	EEE	A
22	22NT5A0224	JALDU SAI SWAROOP	III Year	EEE	A+
23	22NT5A0225	JAMI VASU	III Year	EEE	A+
24	22NT5A0226	JERRIPOTULA NIRANJAN	III Year	EEE	A+
25	21NT5A0429	MARTHULA VENU GOPAL REDDY	III Year	EEE	A+
26	21NT5A0430	MATRU NAGA BABU	III Year	EEE	A+
27	21NT5A0431	MULAGAPAKA TARUN	III Year	EEE	A+
28	21NT5A0432	MUNAKALA GANESWARI	III Year	EEE	A+

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
29	21NTSA0433	NUKALA VENKAVYA AARYA LAKSHMI VARA PRASAD	III Year	EEE	A+
30	21NTSA0437	PEDIREDLA SRAVANI	III Year	EEE	
31	21NTSA0438	PULAMARASETTY VANI	III Year	EEE	A+
32	21NTSA0439	PYLA SUDHA	III Year	EEE	A+
33	21NTSA0443	SARIKA VENNELA	III Year	EEE	A
34	21NTSA0446	SURISETTY BALAKRISHNA	III Year	EEE	A+
35	21NTSA0447	THATHOLU HARI SAI KUMAR	III Year	EEE	A+
36	21NTSA0455	GOPI SAIBABU	III Year	EEE	A+
37	22NTSA0242	PANGI RAMBABU	III Year	EEE	A+
38	22NTSA0243	PENDIREDDI SIVA NAGASAI	III Year	EEE	A+
39	22NTSA0245	RAJANA VAMSIKRISHNA	III Year	EEE	A+
40	22NTSA0247	REESU GIRISH	III Year	EEE	O
41	22NTSA0248	SALAPU SAMPATH KUMAR	III Year	EEE	A+
42	22NTSA0249	SASUBILLI VAMSIKRISHNA	III Year	EEE	A+
43	22NTSA0250	SOMALAPALLI ANANDABABU	III Year	EEE	A+
44	22NTSA0251	SORNAPUDI NIKHIL	III Year	EEE	A+
45	22NTSA0252	SUNKE NEELIMA	III Year	EEE	O
46	22NTSA0253	SURI DILEEP	III Year	EEE	A+
47	22NTSA0255	SURYA PRAKASH RUNJALA	III Year	EEE	A+
48	22NTSA0256	T PAYANI	III Year	EEE	A+
49	22NTSA0258	TUKUTI SHYAM PRANEETH	III Year	EEE	A+
50	22NTSA0259	THOTADA SURENDRA	III Year	EEE	A+
51	22NTSA0261	URUKUTI ASWINI	III Year	EEE	O
52	22NTSA0263	VECHALAPU PAVAN	III Year	EEE	A+
53	22NTSA0264	VEDLA PRASAD	III Year	EEE	A+
54	22NTSA0265	VELLE KRISHNA BABU	III Year	EEE	A+
55	22NTSA0266	VERMA VENKATAKAMESWARA RAO	III Year	EEE	A+
56	22NTSA0267	ANGADI SRI DURGA TARUN	III Year	EEE	A+
57	22NTSA0268	BURADA DIVYA SRI	III Year	EEE	A+
58	22NTSA0269	BADIREDDY DEVI SURYA PAVAN	III Year	EEE	O
59	22NTSA0270	URIVITI YAMINI	III Year	EEE	A+
60	22NTSA0271	VANGALA SAI KIRAN	III Year	EEE	A+
61	22NTSA0272	VIYYAPU NANI	III Year	EEE	O
No. of students getting more than A+					49
% of students getting more than A+					80.3%

O: 17-20 A+: 13-16 A: 9-12 B+: 5-8 B: 0-4

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	<50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAAC A+ GRADE

ISO 9001:2015

COLLEGE CODE VSPT

CIRCULAR

Date: 30-01-2024

The Department of Mechanical Engineering has planned to conduct Value Added Course from 07-02-2024 to 19-02-2024 for III Mechanical & Automobile Engineering students on "3D PRINTING AND IT'S APPLICATIONS". The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online& Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Mr.M. Rambabu

Principal

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

IQAC	R&D	CIVIL	EEE	ME/AME	ECE	CSE	BS&H	MBA	MCA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board _Class Rooms
- IQAC

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
Sir Diwan, Narava, Gramc, Visakhapatnam-530027

NAAC A GRADE

ISO 9001:2015

COLLEGE CODE VSPT

DEPARTMENT OF MECHANICAL & AUTOMOBILE ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: 3D PRINTING AND IT'S APPLICATIONS
Course duration	: 30 Hours
Year Offered	: III Year Students
Course Coordinator	: Mr.M.RAMBABU
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 69
Number of students Appeared	: 69
Number of students Passed	: 69

COURSE OUTCOMES

Students in the course obtain the following outcomes.

1. Understand the basics of 3D printing technologies and processes.
2. Be proficient in using CAD and slicing software to design and prepare models for 3D printing.
3. Gain hands-on experience in setting up, calibrating, and operating 3D printers.
4. Be able to select suitable materials and techniques for various applications.
5. Complete a practical 3D printing project, showcasing skills in design, printing, and post-processing.

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 20-02-2024

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
Sth Division, Narava (PO), Visakhapatnam-530027

NAAC A GRADE

ISO 9001:2015

COLLEGE CODE VSPT

REQUISITION LETTER

Date: 29-01-2024

From,
Dr.T.Satyanarayana,
Head of the department,
Department of Mechanical &Automobile Engineering,
Visakha Institute of Engineering & Technology,
Narava.

To,
The Principal,
Visakha Institute of Engineering & Technology,
Narava.

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The Academic council members recommended that the Department of Mechanical &Automobile Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
3DPRINTING AND IT'S APPLICATIONS	07-02-2024 to 19-02-2024	30 Hrs.	No

Thanking You,

Yours faithfully,

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

3D PRINTING AND IT'S APPLICATIONS- SYLLABUS

Course Objectives:

1. **Introduce the Fundamentals of 3D Printing**
2. **Develop Skills in 3D Modelling and Design for Printing**
3. **Familiarize Students with 3D Printer Operation and Calibration**
4. **Explore Real-World Applications of 3D Printing**
5. **Complete a Hands-On Project Demonstrating 3D Printing Skills**

COURSE SYLLABUS:

Week 1: Fundamentals and Hands-On Basics

Introduction to 3D Printing

Understanding 3D Printers

Basics of 3D Design and Modelling

Slicing and Preparing for Printing

Hands-On Printing and Troubleshooting

Week 2: Advanced Topics and Applications

Advanced 3D Modelling Techniques

Post-Processing Techniques

Applications and Case Studies

Group Project, Presentation

Future of 3D Printing and Advanced Applications

M. Rambabu
PROGRAM CO-ORDINATOR

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

HOD

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Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
NAAC A GRADE
ISO 9001:2015
COLLEGE CODE VSPT

NAME OF THE PROGRAM: Value added course on 3D PRINTING AND IT'S APPLICATIONS

DURATION OF THE PROGRAM: 07-02-2024 to 19-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	21NT1A0301	G.RAMU	III Year	MECH	
2	21NT1A0306	T HARSHA VARDHAN	III Year	MECH	
3	22NT5A0301	AKKIREDDI SIMHACHALAM	III Year	MECH	
4	22NT5A0303	BALLA. MANIKANTA	III Year	MECH	
5	22NT5A0305	BOMBOIU VIJAY GANESH ADIRAJ	III Year	MECH	
6	22NT5A0307	CHELLIBOYINA KALYAN	III Year	MECH	
7	22NT5A0309	CHOLLANGI SETHAN	III Year	MECH	
8	22NT5A0310	DADI SAI CHANDU	III Year	MECH	
9	22NT5A0315	DONDAPATI SHIVA KUMAR	III Year	MECH	
10	22NT5A0317	DUDDUPUDI VIJAYA KUMAR	III Year	MECH	
11	22NT5A0318	DUNGALA THARUN	III Year	MECH	
12	22NT5A0320	GALLA NAGA GANGADHAR PRASAD VAMSI	III Year	MECH	
13	22NT5A0321	GEDELA DINESH KUMAR	III Year	MECH	
14	22NT5A0323	GOLLAVILLI KARTIK KUMAR	III Year	MECH	
15	22NT5A0325	GORLE SANKAR RAO	III Year	MECH	
16	22NT5A0328	ITHE ANIL	III Year	MECH	
17	22NT5A0329	JAMI MANIKANTA	III Year	MECH	
18	22NT5A0330	KALLA SAI PAVAN KALYAN	III Year	MECH	
19	22NT5A0333	KANDREGULA SESHU	III Year	MECH	

NAME OF THE PROGRAM: Value added course on 3D PRINTING AND IT'S APPLICATIONS

DURATION OF THE PROGRAM: 07-02-2024 to 19-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
20	22NTSA0334	KARADA SASI KUMAR	III Year	MECH	
21	22NTSA0336	KARRI SAI KUMAR	III Year	MECH	
22	22NTSA0339	KASIMKOTA SATYA SURYA HEMANTH KUMAR	III Year	MECH	
23	22NTSA0340	K.SAI MAHESH	III Year	MECH	
24	22NTSA0342	KONA TEJA PRADEEP KUMAR	III Year	MECH	
25	22NTSA0345	KUNDRAPU ESWAR KALYAN	III Year	MECH	
26	22NTSA0346	KUNDRAPU TEJESH NAIDU	III Year	MECH	
27	22NTSA0349	L.PRASANTH KUMAR	III Year	MECH	
28	22NTSA0350	LALAM CHANDU	III Year	MECH	
29	22NTSA0351	LANKA DILEEP	III Year	MECH	
30	22NTSA0355	MALLENA DURGA RAO	III Year	MECH	
31	22NTSA0356	MAMIDI AJAY KUMAR	III Year	MECH	
32	22NTSA0357	M.MANIKANTA YASWANTH	III Year	MECH	
33	22NTSA0358	MANTRI YUVA VENKATA SAMPOORNA HEMANTH	III Year	MECH	
34	22NTSA0359	MERUGU PAVAN	III Year	MECH	
35	22NTSA0361	MOLLI CHANDU	III Year	MECH	
36	22NTSA0365	MURIKITHI RAJESH	III Year	MECH	
37	22NTSA0367	NAMMI SATYA VENKATA SAI BHARATH KUMAR	III Year	MECH	
38	22NTSA0370	NARAVA VASU	III Year	MECH	
39	22NTSA0372	NELATURI RAVI CHARAN	III Year	MECH	
40	22NTSA0377	PILLA MAHESH	III Year	MECH	
41	22NTSA0378	POLAVARAPU DURGA PRASAD	III Year	MECH	
42	22NTSA0381	POTNURU YOGESH KRISHNA SAI	III Year	MECH	
43	22NTSA0382	PRASANGI SAI KUMAR	III Year	MECH	
44	22NTSA0384	PULIGA VENKATESH	III Year	MECH	

45	22NTSA0390	SIYADRI RAJU	III Year	MECH	S. Rajuraju
46	22NTSA0391	SUNKARA PRAKASH	III Year	MECH	S. Prakash
47	22NTSA0392	TALARI PAVANPUTHRA	III Year	MECH	T. Pavanputhra
48	22NTSA0393	THANGILA PITHAMBAR	III Year	MECH	T. Pithambar
49	22NTSA0395	URUKUTI ASHOK KUMAR	III Year	MECH	Ashok
50	22NTSA0398	VATTIKALA LAXMIKANTH	III Year	MECH	V. Laxmikanth
51	22NTSA03A1	VIYYAPU RAMESH	III Year	MECH	V. Ramesh
52	22NTSA03A2	YADLA MANIKANTA	III Year	MECH	Y. Manikanta
53	22NTSA03A4	YANDAPALLI YUVA RAMA KRISHNA	III Year	MECH	Y.Y. Ramakrishna
54	22NTSA03A5	YERIPILLI DILEEP KUMAR	III Year	MECH	Y. Dileep
55	22NTSA0346	YERIPILLI GANESH	III Year	MECH	Y. Ganesh
56	22NTSA03A9	GANGALLA MUKHESH	III Year	MECH	G. Mukesh
57	22NTSA03B0	JAGAVARAPU APPAJI	III Year	MECH	J. Appaji
58	22NTSA03B1	BANDARU SUMANTH KUMAR	III Year	MECH	B. Sumanth
59	22NTSA03B2	CHIDIPI ASHISH	III Year	MECH	C. Ashish
60	22NTSA03B3	CHILUVURI JAGADEESH VARMA	III Year	MECH	C. Jagadeesh Varma
61	22NTSA03B4	DAMODARA KRANTI BHARGAV	III Year	MECH	D. Bhargav
62	22NTSA03B5	GONDESI TARUN MAHESH	III Year	MECH	G. Tarun
63	22NTSA03B6	KANDIPALLI VINAY	III Year	MECH	K. Vinay
64	22NTSA03B8	PEDDAPALLI SRAVAN KUMAR	III Year	MECH	P. Sravan Kumar
65	22NTSA03C1	YADLA YERNI KUMAR	III Year	MECH	Y. Yerni Kumar
66	22NTSA03C2	KALLA LOKESH	III Year	MECH	K. Lokesh
67	22NTSA03C4	MANTENA PRADEEP KUMAR	III Year	MECH	M. Pradeep Kumar
68	21NTIA2402	YALAMATI HARIBABU	III Year	AME	Y. Haribabu
69	22NTSA2401	CHIKKAM VENKATA GAYATHRI	III Year	AME	C.V. Gayathri

PROGRAM CO-ORDINATOR

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

HOD

NAME OF THE PROGRAM: Value added course on 3D PRINTING AND IT'S APPLICATIONS

DURATION OF THE PROGRAM: 07-02-2024 to 19-02-2024

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										
			7/2	8/2	9/2	12/2	13/2	14/2	15/2	16/2	17/2	19/2	TOTAL
1	21NT1A0301	G.RAMU	P	P	P	P	P	P	P	P	P	P	10
2	21NT1A0306	T HARSHA VARDHAN	P	P	P	P	P	P	P	P	P	P	10
3	22NT5A0301	AKKIREDDI SIMHACHALAM	P	P	P	P	P	A	P	P	P	P	09
4	22NT5A0303	BALLA MANIKANTA	P	P	P	P	P	P	P	A	P	P	10
5	22NT5A0305	BOMBORU V GANESH DIRAJ	P	P	P	P	P	P	P	P	P	P	10
6	22NT5A0307	CHELLIBOYINA KALYAN	P	P	P	P	A	P	P	P	P	P	09
7	22NT5A0309	CHOLLANGI SETHAN	P	P	A	P	P	P	P	P	P	P	09
8	22NT5A0310	DADI SAI CHANDU	P	P	P	A	P	P	P	P	P	P	09
9	22NT5A0315	DONDAPATI SHIVA KUMAR	P	P	P	P	P	P	P	P	P	P	10
10	22NT5A0317	D V KUMAR	P	P	P	P	P	P	P	P	P	P	10
11	22NT5A0318	D THARUN	P	P	P	P	P	P	P	P	P	P	10
12	22NT5A0320	GALLA NG PRASAD VAMSI	P	P	P	P	P	P	P	P	P	P	10
13	22NT5A0321	G D KUMAR	P	P	P	P	P	P	P	P	P	P	10
14	22NT5A0323	GOLLAVILLI KARTHIK KUMAR	P	P	P	P	P	P	P	P	P	P	10
15	22NT5A0325	G SANKAR RAO	P	P	P	P	P	P	P	P	A	P	09
16	22NT5A0328	ITHI ANIL	P	P	P	P	P	P	P	P	P	P	10
17	22NT5A0329	JAMI MANIKANTA	P	P	P	P	P	P	A	P	P	P	09
18	22NT5A0330	KALLA SAI PAVAN KALYAN	A	P	P	P	P	P	P	P	P	P	09
19	22NT5A0333	KANITREGULA SESHU	P	P	P	P	P	P	P	P	P	P	10
20	22NT5A0334	K SASI KUMAR	P	P	A	P	P	P	P	P	P	P	09
21	22NT5A0338	KARRI SAI KUMAR	P	P	P	P	P	A	P	P	P	P	09
22	22NT5A0339	K S S HEMANTH KUMAR	P	P	P	P	P	P	P	P	P	P	10
23	22NT5A0340	K.SAI MAHESH	A	P	P	P	P	P	P	P	P	P	09
24	22NT5A0342	K T P KUMAR	P	P	P	P	P	P	P	P	P	P	10

25	22NTSA0345	KUNDRAPU ESWAR KALYAN	P	P	P	P	P	P	P	P	P	P	10
26	22NTSA0346	KUNDRAPU TEJESH NAIDU	P	P	P	P	P	P	P	P	P	P	10
27	22NTSA0349	L.PRASANTH KUMAR	P	P	P	P	P	P	P	P	P	P	10
28	22NTSA0350	LALAM CHANDU	P	P	P	P	P	P	P	P	P	P	10
29	22NTSA0351	LANKA DILEEP	P	P	P	P	P	P	P	P	P	P	10
30	22NTSA0355	MALLENA DURGA RAO	P	P	P	P	P	A	P	P	P	P	09
31	22NTSA0356	MAMIDI AJAY KUMAR	P	P	P	A	P	P	P	P	P	P	09
32	22NTSA0357	M.MANIKANTA YASWANTH	P	P	P	P	P	P	P	P	P	A	09
33	22NTSA0358	MANTRI Y V S HEMANTH	P	P	P	P	P	P	P	P	P	P	10
34	22NTSA0359	MERUGU PAVAN	A	P	P	P	P	P	P	P	P	P	09
35	22NTSA0361	MOLLI CHANDU	P	P	P	P	A	P	P	P	P	P	09
36	22NTSA0365	MURIKITHI RAJESH	P	P	P	P	P	P	P	P	P	P	10
37	22NTSA0367	NAMMI S V S B KUMAR	P	P	P	P	P	P	P	P	P	P	10
38	22NTSA0370	NARAVA VASU	P	P	P	P	P	P	P	A	P	P	09
39	22NTSA0372	NELATURI RAVI CHARAN	P	P	P	P	P	P	P	P	P	P	10
40	22NTSA0377	PILLA MAHESH	P	A	P	P	P	P	P	P	P	P	09
41	22NTSA0378	POLAVARAPU DURGA PRASAD	P	P	P	P	P	P	A	P	P	P	09
42	22NTSA0381	POTNURU Y KRISHNA SAI	P	P	P	P	P	P	P	P	P	P	10
43	22NTSA0382	PRASANGI SAI KUMAR	P	P	P	P	P	P	P	P	P	P	10
44	22NTSA0384	PULIGA VENKATESH	P	P	P	P	P	P	P	P	P	P	10
45	22NTSA0390	SIYADRI RAJU	P	P	P	P	P	P	P	P	A	P	09
46	22NTSA0391	SUNKARA PRAKASH	P	P	P	P	P	P	P	P	P	P	10
47	22NTSA0392	TALARI PAVANPUTHRA	P	P	P	P	P	P	P	P	P	P	10
48	22NTSA0393	THANGULA PITHAMBAR	P	P	P	P	P	P	P	P	P	P	10
49	22NTSA0395	URLIKUTI ASHOK KUMAR	P	P	P	P	P	P	P	P	P	P	10
50	22NTSA0398	VLAKHIKANTH	P	P	P	P	P	P	P	P	P	P	10
51	22NTSA03A1	VIYYAPU RAMESH	A	P	P	P	P	P	P	P	P	P	09
52	22NTSA03A2	YADLA MANIKANTA	P	P	P	P	P	A	P	P	P	P	09
53	22NTSA03A4	YANDAPALLI YUVA RAMA KRISHNA	P	P	P	P	P	P	P	P	P	P	10

54	22NTSA03A5	YERIPELLI DILEEP KUMAR	P	P	P	P	P	P	P	P	P	P	P	10
55	22NTSA03A6	YERIPELLI GANESH	P	P	P	P	P	P	P	P	P	P	P	10
56	22NTSA03A9	GANGALA MUKHESH	P	P	P	P	P	P	P	P	P	P	P	10
57	22NTSA03B0	JAGAVARAPU APPAJI	P	P	A	P	P	P	P	P	P	P	P	09
58	22NTSA03B1	BANDARU S KUMAR	P	A	P	P	P	P	P	P	P	P	P	09
59	22NTSA03B2	CHIDIPI ASHISH	P	P	P	A	P	P	P	P	P	P	P	09
60	22NTSA03B3	CHILUVURI J VARMA	P	P	P	P	P	P	P	P	P	P	P	10
61	22NTSA03B4	DAMODARA K BHARGAV	P	P	P	P	P	P	P	P	P	P	P	10
62	22NTSA03B5	GONDESI TARUN MAHESH	P	P	P	P	P	P	P	P	P	P	P	10
63	22NTSA03B6	KANDIPALLI VINAY	P	P	P	P	P	P	P	P	P	P	P	10
64	22NTSA03B8	PEDDAPALLI SRAVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	10
65	22NTSA03C1	YADLA YERNI KUMAR	P	P	P	P	P	P	P	P	P	P	P	10
66	22NTSA03C2	KALLA LOKESH	P	P	P	P	P	P	P	P	P	P	P	10
67	22NTSA03C4	MANTENA PRADEEP KUMAR	P	P	P	P	P	P	P	P	P	P	P	10
68	21NTIA2402	YALAMATI HARSHITH	P	P	P	P	P	P	A	P	P	P	P	09
69	22NTSA2401	CHUKKAM V GAYATHRI	P	P	P	P	P	P	P	P	P	P	P	10
		Total no. of students	69	69	69	69	69	69	69	69	69	69		
		No. of students present	65	67	66	66	67	65	66	67	67	68		
		No. of students absent	04	02	03	03	02	04	03	02	02	01		
		Signature of the staff												

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY

NAME OF THE PROGRAM: Value added course on 3D PRINTING AND IT'S APPLICATIONS **A.Y: 2023-2024**

DURATION OF THE PROGRAM: 07-02-2024 to 19-02-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	21NT1A0301	G. RAMU	III Year	MECH	A+
2	21NT1A0306	T Harsha Vardhan	III Year	MECH	O
3	22NT5A0301	AKKIREDDI SIMHACHALAM	III Year	MECH	O
4	22NT5A0303	BALLA. MANIKANTA	III Year	MECH	O
5	22NT5A0305	BOMBORU VIJAY GANESH ADIRAJ	III Year	MECH	O
6	22NT5A0307	CHELLIBOYINA KALYAN	III Year	MECH	O
7	22NT5A0309	CHOLLANGI SETHAN	III Year	MECH	O
8	22NT5A0310	DADI SAI CHANDU	III Year	MECH	O
9	22NT5A0315	DOMDAPATI SHIVA KUMAR	III Year	MECH	A+
10	22NT5A0317	DUDDUPUDI VIJAYA KUMAR	III Year	MECH	O
11	22NT5A0318	DUNGALA THARUN	III Year	MECH	A+
12	22NT5A0320	GALLA NAGA GANGADHAR PRASAD VAMSI	III Year	MECH	O
13	22NT5A0321	GEDELA DINESH KUMAR	III Year	MECH	O
14	22NT5A0323	GOLLAVILLI KARTHIK KUMAR	III Year	MECH	O
15	22NT5A0325	GORLE SANKAR RAO	III Year	MECH	O
16	22NT5A0326	ITHI ANIL	III Year	MECH	O
17	22NT5A0329	JAMI MANIKANTA	III Year	MECH	O
18	22NT5A0330	KALLA SAI PAVAN KALYAN	III Year	MECH	O
19	22NT5A0333	KANDREGULA SESHU	III Year	MECH	O
20	22NT5A0334	KARADA SASI KUMAR	III Year	MECH	A+
21	22NT5A0336	KARRI SAI KUMAR	III Year	MECH	O
22	22NT5A0339	K SATYA SURYA HEMANTH KUMAR	III Year	MECH	O
23	22NT5A0340	K.SAI MAHESH	III Year	MECH	O
24	22NT5A0342	KONA TEJA PRADEEP KUMAR	III Year	MECH	O

SNO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
25	22NTSA0345	KUNDRAPU ESWAR KALYAN	III Year	MECH	0
26	22NTSA0346	KUNDRAPU TEJESH NAIDU	III Year	MECH	0
27	22NTSA0349	L.PRASANTH KUMAR	III Year	MECH	0
28	22NTSA0350	LALAM CHANDU	III Year	MECH	0
29	22NTSA0351	LANKA DILEEP	III Year	MECH	0
30	22NTSA0355	MALLENA DURGA RAO	III Year	MECH	0
31	22NTSA0356	MAMIDI AJAY KUMAR	III Year	MECH	0
32	22NTSA0357	M.MANIKANTA YASWANTH	III Year	MECH	A+
33	22NTSA0358	MANTRI YUVA VENKATA SAMPOORNA HEMANTH	III Year	MECH	0
34	22NTSA0359	MERUGU PAVAN	III Year	MECH	0
35	22NTSA0361	MOLLI CHANDU	III Year	MECH	0
36	22NTSA0365	MURIKITHI RAJESH	III Year	MECH	A+
37	22NTSA0367	NAMMI SATYA VENKATA SAI BHARATH KUMAR	III Year	MECH	0
38	22NTSA0370	NARAVA VASU	III Year	MECH	0
39	22NTSA0372	NELATURI RAVI CHARAN	III Year	MECH	0
40	22NTSA0377	PILLA MAHESH	III Year	MECH	0
41	22NTSA0378	POLAVARAPU DURGA PRASAD	III Year	MECH	0
42	22NTSA0381	POTNURU YOGESH KRISHNA SAI	III Year	MECH	0
43	22NTSA0382	PRASANGI SAI KUMAR	III Year	MECH	0
44	22NTSA0384	PULIGA VENKATESH	III Year	MECH	A+
45	22NTSA0390	SIYADRI RAJU	III Year	MECH	0
46	22NTSA0391	SUNKARA PRAKASH	III Year	MECH	0
47	22NTSA0392	TALARI PAVANPUTHRA	III Year	MECH	0
48	22NTSA0393	THANGULA PITHAMBAR	III Year	MECH	A+
49	22NTSA0395	URUKUTI ASHOK KUMAR	III Year	MECH	A+
50	22NTSA0396	VATTIKALA LAXMIKANTH	III Year	MECH	0
51	22NTSA03A1	VIYYAPU RAMESH	III Year	MECH	0
52	22NTSA03A2	YAGLA MANIKANTA	III Year	MECH	0
53	22NTSA03A4	YANDAPALLI YUVA RAMA KRISHNA	III Year	MECH	A+
54	22NTSA03A5	YERIPILLI DILEEP KUMAR	III Year	MECH	0

55	22NTSA03A6	YERIPILLI GANESH	III Year	MECH	O
56	22NTSA03A9	GANGALLA MUKHESH	III Year	MECH	O
57	22NTSA03B0	JAGAVARAPU APPAJI	III Year	MECH	O
58	22NTSA03B1	BANDARU SUMANTH KUMAR	III Year	MECH	O
59	22NTSA03B2	CHIDIPI ASHISH	III Year	MECH	O
60	22NTSA03B3	CHILUVURI JAGADEESH VARMA	III Year	MECH	O
61	22NTSA03B4	DAMODARA KRANTI BHARGAV	III Year	MECH	A+
62	22NTSA03B5	GONDESI TARUN MAHESH	III Year	MECH	O
63	22NTSA03B6	KANDIPALLI VINAY	III Year	MECH	O
64	22NTSA03B8	PEDDAPALLI SRAVAN KUMAR	III Year	MECH	O
65	22NTSA03C1	YADLA YERNI KUMAR	III Year	MECH	O
66	22NTSA03C2	KALLA LOKESH	III Year	MECH	O
67	22NTSA03C4	MANTENA PRADEEP KUMAR	III Year	MECH	O
68	21NTIA2402	YALAMATI HARSHITH	III Year	AME	A+
69	22NTSA2401	CHIKKAM VENKATA GAYATHRI	III Year	AME	O
No. of students getting more than A+					57
% of students getting more than A+					85%

O: 23-25 A+: 20-22 A: 17-19 B+: 14-16 B: 11-13 C: <=10

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	CO'S MARKS	PERFORMANCE	REMARKS
Level 1	91 - 100	Excellent	All-important info adequately delivered and shows proficient understanding of the subject matter
Level 2	81 - 90	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	71 - 80	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	51 - 70	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter.
Level 5	<=50	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

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VISAKHA

DEPARTMENT OF MECHANICAL ENGINEERING

ASSESSMENT TEST-I

Year/Sem: III / I
Course Type: VALUE ADDED COURSE
Course Name: 3D PRINTING AND ITS APPLICATIONS
A.Y.: 2023-2024
Branch: MECH
Duration: 1Hr/60m
Maximum Marks: 25
H.T. No.

2	3	N	1	6	A	0	3	0	5

25

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What is / are the primary advantage of [illegible]? a) Subtractive manufacturing b) Additive manufacturing c) [illegible] d) None of the above	b
2	Which of the following is / are true? a) Parallel Dimensional modelling (PDM) b) Level Engineering c) [illegible] d) Subtractive Modelling	a
3	Which of the following is NOT a type of additive manufacturing? a) Fused Deposition Modelling (FDM) b) Selective Laser Sintering (SLS) c) CNC Machining d) Stereo lithography (SLA)	c
4	In which field is 3D printing widely applied? a) Automotive b) Aerospace c) Medicine d) Consumer Goods	a
5	What is 3D printing technology most commonly used for? a) Prototyping b) Mass production c) Both a and b d) None of the above	b
6	What is the most commonly used material in FDM 3D printing? a) PLA b) ABS c) Nylon d) None of the above	d
7	What is the primary role of the extruder in a 3D printer? a) To cool the printed object b) To control the temperature of the print bed c) To feed the material and form the object d) To power the printer	b
8	Which of the following is NOT commonly used as a 3D software for 3D printing? a) Tinkercad b) Blender c) Fusion CAD d) Adobe Photoshop	d
9	What is the most common file format for exporting 3D models? a) JPEG b) STL c) MP4 d) DOC	b
10	What is a key advantage of using generative CAD software? a) Faster rendering speeds b) Ability to edit and update designs easily c) Better rendering of 3D environments d) Compatibility with 3D printing	a
11	Which software is widely used for drawing 3D models? a) Java b) Microsoft Word c) Linux d) AutoCAD Pro	d

VISAKHA

S.NO	QUESTIONS	ANSWERS
12	What does G-code command do in 3D printing? a) It controls the temperature of the print bed b) It determines the color of the printed object c) It specifies the speed and movement of the printer's nozzle d) It controls the printer's power supply	a
13	Which parameter affects the resolution of a 3D print? a) Bed Temperature b) Layer Height c) Filament diameter d) Both b and c	d
14	Warping during a print is commonly caused by: a) Poor material choice b) Incorrect leveling or inadequate bed adhesion c) Excessive cooling speed d) Overuse of supports	b
15	What should you do if a 3D printer starts to clog during printing? a) Increase print speed b) Clean the nozzle and check for any blockages c) Reduce layer height d) Replace the power supply	b
16	Supports in a 3D print are added to: a) Speed up printing b) Reduce material usage c) Provide stability during printing d) Increase print speed	b
17	What is CAD used for in the context of 3D printing? a) Slicing b) Material selection c) Design d) Testing	d
18	Overhangs in a 3D print can be managed by: a) Increasing layer height b) Adjusting infill density and pattern c) Reducing support material d) Using smaller nozzle diameters	b
19	What is a common method for preventing PLA warping? a) Increase nozzle temperature b) Printing with a heated bed c) Using a fan to cool the print d) Decreasing print speed	b
20	What is the primary purpose of a raft in 3D printing? a) To improve surface finish and strength b) To enhance bed adhesion c) To fill gaps in the model d) To prevent warping and stabilize the print	d
21	What is a key advantage of 3D printing in healthcare? a) Mass production of identical products b) Customization of prosthetics and implants c) Reduced material costs d) Faster speed of print production	b
22	What printing is primarily used for a) Printing metals b) Prototyping and rapid fabrication c) Printing food d) Printing electronics	b
23	Which industry utilizes 3D printing for lightweight part production? a) Fashion b) Aerospace c) Food d) Wood Works	b
24	Overhangs during print process in 3D printing often require: a) A single person handling all tasks b) Clear division of roles in design, slicing, and printing c) Limiting feedback from non-members d) Printing without any machine assistance	b
25	Which of the following is a potential consideration or opportunity in 3D printing? a) 3D printed products b) No demand from users c) Extreme complexity in any process d) All of the above	d

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FEEDBACK FORM

Name of the Student	Course Title	Date
L. CHANDU	3D PRINTING AND IT'S APPLICATIONS	20-2-2024

- For each of the following areas, please indicate your reaction:

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.	✓			
3	The instructor presented course material in a clear manner that facilitated understanding	✓			
4	This class has increased my interest in this field of study	✓			
5	The readings were appropriate to the goals of the course.		✓		
6	I have put a great deal of effort into advancing my learning in this course	✓			
7	I would highly recommend this course to other students	✓			
8	The grading practices were fair.	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory
Any Other Suggestion:

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Visakhapatnam-530 027

Name of the Program: Value added course on 3D PRINTING AND Its APPLICATIONS
Duration: 07-02-2024 to 19-02-2024

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	07-02-2024	Evolution of 3D Printing. Overview of Additive Manufacturing Technologies. Applications in Engineering, Medicine, Aerospace, and Consumer Goods.
2	08-02-2024	Types of 3D Printers (FDM, SLA, SLS, etc.). Key Components of a 3D Printer. Materials Used in 3D Printing.
3	09-02-2024	Introduction to CAD Software (Tinker CAD, Fusion 360, or Blender). Designing Simple 3D Models. Exporting Models for 3D Printing.
4	12-02-2024	Understanding G-code and Slicing Software (Cura, PrusaSlicer, etc.). Setting Print Parameters: Layer Height, Infill, Supports. Preparing and Loading Materials.
5	13-02-2024	Setting up a 3D Printer. Printing a Simple Object. Common Printing Issues and How to Fix Them.
6	14-02-2024	Using Advanced Features in CAD Software. Modeling Complex Structures. Optimization for Strength and Aesthetic.
7	15-02-2024	Removing Supports, Sanding, and Polishing. Painting and Finishing Techniques. Strengthening 3D Printed Parts.
8	16-02-2024	Case Studies from Industries like Healthcare, Automotive, and Architecture. Emerging Trends in 3D Printing (Bioprinting, Metal Printing, etc.). Entrepreneurship and Business Opportunities.
9	17-02-2024	Designing, Modelling, and Printing a Real-World Object. Collaboration and Problem Solving.
10	19-02-2024	Presentation of Group Projects. Feedback and Q&A. Distribution of Certificates.

PROGRAM CO-ORDINATOR

HOD

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VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. .....of ..... Has participated in a ***Two-week Value-Added Course*** *on "3D PRINTING AND IT'S APPLICATIONS", Organized by Department of Mechanical &Automobile Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State,India,during* ***07th February 2024 to 19th February2024.***

M. Rambabu

Program Coordinator

Mr.M.Rambabu

HOD

Dr.T.Satyanarayana

Principal

Dr. V. Sridhar Patnaik

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Narava, Visakhapatnam-530 027.

Visakha Institute of Engineering & Technology

(Sponsored by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

A Two-Week Value-Added Course on "3D PRINTING AND IT'S APPLICATIONS"

07-02-2024 to 19-02-2024

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication:

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s)

Date:

Station: Visakhapatnam

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VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Chief Patron : Sri G.Satyanarayana
Chairman

Patron :Dr.V.SridharPatnaik
Principal

Convener: Dr.T.Satyanarayana
MECH HOD

Coordinator : Mr.M.Rambabu
Associate Professor

Organizing Committee:

Mr M Rambabu , Associate Professor
Mrs K Chandra, Associate Professor
Mr. G Sunil, Assistant Professor
Mr. A Murali Krishna, Assistant Professor
Mr. A Narendra Kumar , Assistant Professor
Mr Ch Veerasekhu, Assistant Professor
Mr Ch Kiran Kumar Assistant Professor
Mr .K Jagadish , Assistant Professor

Advisory Committee:

Mr M Rambabu , Associate Professor
Mrs K Chandra, Associate Professor
Mr. A Murali Krishna, Assistant Professor

Registration Details: Registration starts from 31-01-2024.

For furtherdetails, contact:

Mr.M.Rambabu,
Contact No. 9866361903

A Two-Week Value-Added Course on "3D PRINTING AND IT'S APPLICATIONS"

07-02-2024 to 19-02-2024

VISAKHA NAAC ISO VSPT

Organized By

Department of Mechanical & Automobile Engineering
Visakha Institute of Engineering & Technology

(Sponsored by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)
88"Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

Visakha Institute of Engineering & Technology

Approved by AICTE, New Delhi & Affiliated to JNTUK, VIZIANAGARAM

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that, it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10acres of scenic landscape which is an ideal place.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in the academic year 2011. The Department, presently offers UG study program leading to the degree of B.Tech Mechanical Engineering and PG program M.Tech CAD/CAM & Thermal Engineering., With approval from AICTE. for UG & PG Programmes.The Department has well equipped laboratories and infrastructural facilities. The department has well equipped smart class rooms with necessary teaching aids viz., with LCD projectors in order to enable power point presentations for necessary lecture topics. The faculty are trained to make the students reach their goals.

ABOUT TWO-WEEK VALUE-ADDED COURSE

The Visakha Institute of Engineering and Technology (VIET) offers a two-week value-added course on *3D Printing and Its Applications* aimed at enhancing students' technical skills and industry readiness. This hands-on program introduces participants to the revolutionary world of additive manufacturing, which is reshaping industries like healthcare, aerospace, automotive, and consumer goods.

The course covers the fundamentals of 3D printing technologies, including Fused Deposition Modeling (FDM), Stereolithography (SLA), and Selective Laser Sintering (SLS). Students will learn about 3D modeling, slicing software, and material selection. Practical sessions involve designing and printing prototypes, enabling students to understand the workflow from concept to physical product.

In addition to technical know-how, the course highlights real-world applications of 3D printing. Participants explore case studies where 3D printing accelerates innovation, reduces costs, and enhances customization. They will also gain insights into emerging trends such as bioprinting and 3D-printed electronics.

CONTENTS OF THE PROGRAM

1. Introduction to 3D Printing
2. Types of 3D Printing Technologies
3. 3D Printing Materials
4. 3D Design and Modeling
5. 3D Printing Work Flow
6. Hands-on 3D Printing
7. Applications of 3D Printing
8. Emerging Trends in 3D Printing

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY Visakhapatnam 530 027

Resource Persons:

1.Dr. V SRIDHAR PATNAIK
Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

2.Dr. T SATYA NARAYANA
Associate Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

3. Dr. P.V.V.SATYANARAYANA
Associate Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

4.Mrs. KORLA CHANDANA
Associate Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

5. Mr. ALLA MURALI KRISHNA
Associate Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

6. Mr. MIRIYALA RAM BABU
Associate Professor
Department of Mechanical Engineering
Visakha Institute of Engineering and Technology

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(Affiliated to JNTUGV, VIZIANAGARAM)
68th Division, Narava, GVMC, Visakhapatnam-530027

NAAC A GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Date: 01-10-2023

CIRCULAR

This is to inform to all the Head of the Departments of PG, UG are here by informed that Department of Mechanical Engineering is organizing **"A Two Weeks Certificate Program on CATIA V5 R23"** in our college premises from **03-10-2023 to 14-10-2023.** We request all the Third year Mechanical students kindly participate in the workshop.

Date: 03-10-2023 to 14-10-2023

Timings: 1.30pm-04:00pm

Venue: Seminar Hall, Block - I

HoD, Mechanical

Principal

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Narava, Visakhapatnam-530 027.

Copy submitted to:- Hon'ble Chairman

Copy to:- All Concerned/Notice Boards

IQAC	R&D	EXAM CELL	CIVIL	EEE	ME/AME	ECE	CSE	BS&H	MBA	LIB

"TWO WEEKS CERTIFICATE COURSE ON CATIA-V5 R23"

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication :

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s):

Registration Details:

1) For students: Rs. 200/- per participant

Date:

Station:

Chief Patron : **Sri G. Satyanarayana**
CHAIRMAN

Patron : **Dr. V Sridhar Patnaik**
PRINCIPAL

Convener : **Dr T Satyanarayana**
HOD, MECH

Co-ordinator :

Dr P V V Satyanarayana, Associate Professor
Dr. K Sri Ram Vikas, Associate Professor

Student co-ordinator:

Sri P Ganesh ,Ph .no. 9494018229
Sri P Naidu, Ph .no . 7670940653
Sri S Upendra Ph .no . 9502160471
Sri N Yaswanth ,Ph .no. 6302847846
Sri S V Vasu Deva Ph .no . 8555902329

Advisory Committee:

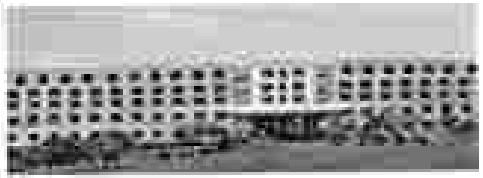
For further details:

Mr. A Murali Krishna, M.Tech
Assistant Professor
9703392689

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

"TWO WEEKS CERTIFICA COURSE ON CATIA-V5 R2

From "03-10-2023 to 14-10-20



Organized By

Department of Mechanical Engineering

Visakha Institute of Engineering & Technolog

(Approved by AICTE & Affiliated to JNTUK, Kakinada)
88th Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

VISAKHA

Visakha Institute of Engineering & Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in scenic and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10 acres of scenic landscape which is an ideal place.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in the academic year 2011. The Department presently offers UG study program leading to the degree of B.Tech Mechanical Engineering and PG program M.Tech CAD/CAM & Thermal Engineering. With approval from AICTE, for UG & PG Programmes. The Department has well equipped laboratories and infrastructural facilities. The department has well equipped smart class rooms with necessary teaching aids viz., with LCD projectors in order to enable power point presentations for necessary lecture topics. The faculty are trained to make the students reach their goals.

ABOUT THE TWO WEEK CERTIFICATE COURSE on CATIA V5 R23

The Two-week CATIA V5 R23 certificate course covers Part Design (2D), Part Design (3D), Assembly, Drafting, Review and Projects. Participants progress from 2D sketching to 3D modeling, including operations like extrusion and revolve. The Assembly module focuses on building and managing assemblies, while Drafting emphasizes creating 2D engineering drawings. The course incorporates a review section for design validation using CATIA's analysis tools.

The certificate course integrates a review segment, enabling participants to utilize CATIA's analysis and simulation tools for design validation and optimization. The program concludes with participants actively participating in real-world projects, applying their newly acquired skills to practical scenarios. The course maintains a dynamic learning environment throughout, incorporating a blend of lectures, demonstrations, and hands-on exercises. This approach ensures a comprehensive learning experience that fosters both theoretical understanding and practical proficiency in CATIA V5 R23.

CONTENTS OF THE TWO WEEK CERTIFICATE COURSE: The 2-week CATIA V5 R23 certificate course covers a comprehensive curriculum, encompassing Part Design 2D and 3D, Assembly, Drafting, Review, and Real-World Projects. Participants progress from fundamental 2D sketching to advanced 3D modeling techniques including assembly creation and management. Design (2D and 3D), Assembly, Drafting,

Review, and Real-World Pr
Throughout the workshop a dy
learning environment is maintained v
combination of lectures, demonstration
interactive exercises, ensuring partic
gain both theoretical understanding
practical proficiency in CATIA V5 R23

Resource Persons:

Dr. Potharaju V V Satyanarayana M.Tech, MBA, B.Tech is the Ass Professor at Visakha Institute of Engin & Technology. An experienced knowledgeable professional in the fi computer-aided design (CAD). With 6 of expertise in utilizing CATIA V diverse engineering applications an brings a wealth of practical experienc insights to the workshop. H successfully contributed to pr industries or achievements CATIA V also possesses a hands-on understandi its practical implementation. The dy teaching style, real-world applic ensuring an engaging and enriching le experience throughout the workshop.

Organizing Committee:
Mr M Rambabu , Associate Professor
Mrs K Chandra, Associate Professor
Mr. G Sunil, Assistant Professor
Mr. A Murali Krishna, Assistant Professor
Mr. A Narendra Kumar , Assistant Professor
Mr Ch Veeranaidu, Assistant Professor
Mr.Ch.Kiran Kumar Assistant Professor
Mr .K Jagadish , Assistant Professor

Name of the program: "A Two Weeks Certificate Program on CATIA V5 R23"

Date: 03-10-2023 to 14-10-2023

Resource Person:

Dr.P.V.V.Satyanarayana,
Assoc Professor,
VIET.

Name of the Coordinator: Dr.T.Satyanarayana, HoD, Mechanical Engineering

No of students attended: 67

Objective of the Certification Course:

Two Week **Certification Course** was organised by Department of Mechanical Engineering, VIET, Visakhapatnam, A.P. on Ansys Innovation from 18th September to 30th September, 2023 for III B.Tech students.

CATIA software is a multi-platform software suite for computer-aided design, computer aided manufacturing. The main aim of program was to make students able to draw 3D model of their project and acquire skills and knowledge to get employment opportunities in the design area. The sole purpose of workshop is to get students acquaint with the CATIA user interface which is currently dominating industrial design engineering industry. Engineering drawing is the best way to express engineering concepts and exchange information. If any component is to be specified, the information needed is: all the dimensions of the component, Description of the material to be used, Parameters like weight, tensile strength, ductility, etc.

Outcome of the Program:

- You will learn to do product design, industrial design and styling (optimize form, fit, function and user experience), streamline 3D design, drafting, documentation with powerful tools for layout, drawing, and 3D annotation. You will do assembly design, sheet metal design, and template based design.

- It allows mechanical engineers to create 3D models and generate 2D drawings with accuracy and precision. It provides tools for sketching, modelling, and drafting that enable the design of components with intricate details. Stress Analysis: CATIA provides tools for performing stress analysis on designed components.
- This software is used in multiple industries like in manufacturing industries, automobile, aerospace, etc. to visualize designs in 3D. These industries use CATIA to model any product, to integrate 3D features with 2D tools and to develop 2D drawing views.

This would be a complete course on how to get started with the CATIA from very basic to the next level of 3D design.

CATIA V5 is a computer-aided design application that will help you to design any product you can imagine. In this course, you'll be introduced to CATIA V5 and learn how to use its workbench features in practice.

The complete Course on Catia V5 R23 is divided into 6 modules:

1. **Complete Catia Sketching –Module 1**
2. Complete Catia Part Modelling –Module 2
3. Complete Catia Assembly Modelling – Module 3
4. Complete Catia Sheet Metal Modelling – Module 4
5. Complete Catia Drafting – Module 5
6. Catia Exercises and Complex Problem Solving – Module 6

Course content for 2-weeks

Week-1

Day: 1-2

So, this is your **1st Module- Complete CATIA Sketching First Section,** you'll begin by learning the inner workings of the CATIA V5 R20 Introduction, the design Intent, about V5 R20, System Requirements, how to download the software and install it to use it for lifetime etc.

Second Section, you'll delve into a journey with getting started with Catia and its features. You will be started with how to get started with windows or with mac. You will understand about the

CATIA Interface, Workbench Concept, Menu and Toolbars, Finding Tools, Specification Tree, Selecting Objects with Mouse, Dialogue Boxes, Graphics Properties, Rendering Styles, Message Bars, Document Manager, Moving objects with mouse etc.

Third Section, you'll discover how to create profiles with design Intents, part design workbench, Basic Sketching, Positioned Sketching, Sketcher Workbench, Geometry Creation, Points, lines, ellipse, hyperbola, comics etc. pre-defined profiles, user-defined profiles, Setting units, Construction geometries, Fully constraint sketches, Constraining sketches, Geometric constraints etc.

Fourth Section, you'll proceed with the Advanced Profiles. You will be dealing with the advanced profiles and its options, Sketcher orientation, Controlling the constraint dimensions direction, sketches re-limitation tools, trim options, Quick Trim options, Mirror and Symmetry, Translation, scaling, offset propagation modes, Project 3d Elements, Sketch Analysis, Etc.

By the end of this course, you'll have the necessary skills and knowledge to create your own sketching and analysis the design intent of any 3d model to create a sketch.

It enables the development of high-quality mechanical products. It allows users to design shapes with 3D sketching and visualization features. Most importantly, its engineering, design, and system engineering capabilities make it very useful for the product manufacturing industry.

Day: 3-4 Part Design (2D)

- Introduction to CATIA and Part Design workbench.
- Sketching and creating 2D profiles.
- Basic extrusions and modifications.
- Practice exercises for 2D part modeling.

Day: 5-6 Part Design (3D)

- Extrusions, revolutions, sweeps in 3D.
- Advanced 3D profile creation.
- Boolean operations (Union, Subtract, Intersect).
- Fillets, chamfers, and other part modifications in 3D.
- Practice exercises for 3D part modeling.

Week-2

Day: 1-2 Assembly

- Introduction to the Assembly Design workbench.
- Inserting parts into an assembly.
- Defining constraints and relationships.
- Managing assemblies and components.
- Exploded views and animations.
- Practice exercises for assembly modeling.

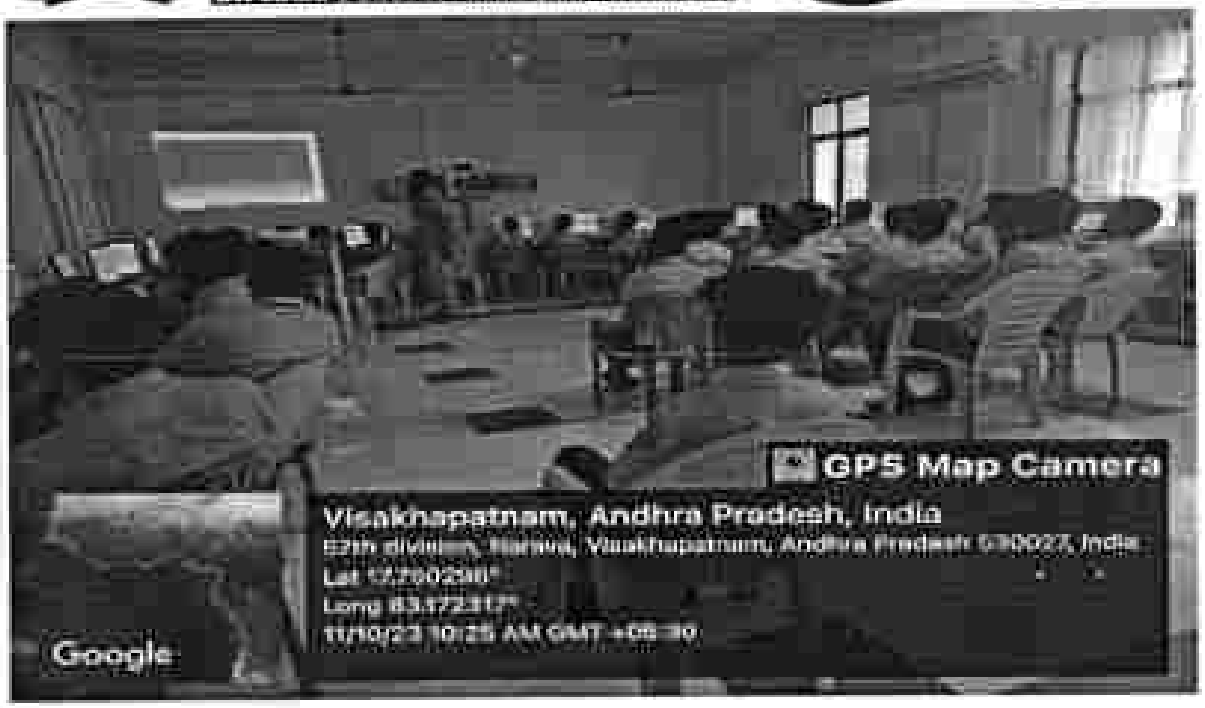
Day: 3-4 Drafting

- Introduction to the Drafting workbench.
- Creating 2D drawings from 3D parts.
- Dimensioning, annotations, and symbols.
- Bill of Materials (BOM) creation.
- Customizing drawing templates.
- Practice exercises for drafting.

Day: 5-6 Review and Projects

- Review of key concepts from the previous days.
- Group or individual projects using CATIA to design and document a mechanical assembly, incorporating 3D profiles.
- Presentations of projects and discussions.
- Certificate distribution.

Course Objectives: The course will help students and professionals alike to learn the implementation of solid modelling and get hands-on experience with real-world projects. This course is structured in a pedagogical sequence to cover the topics stated above and presented in a well-oriented way.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Visakhapatnam, Andhra Pradesh, India
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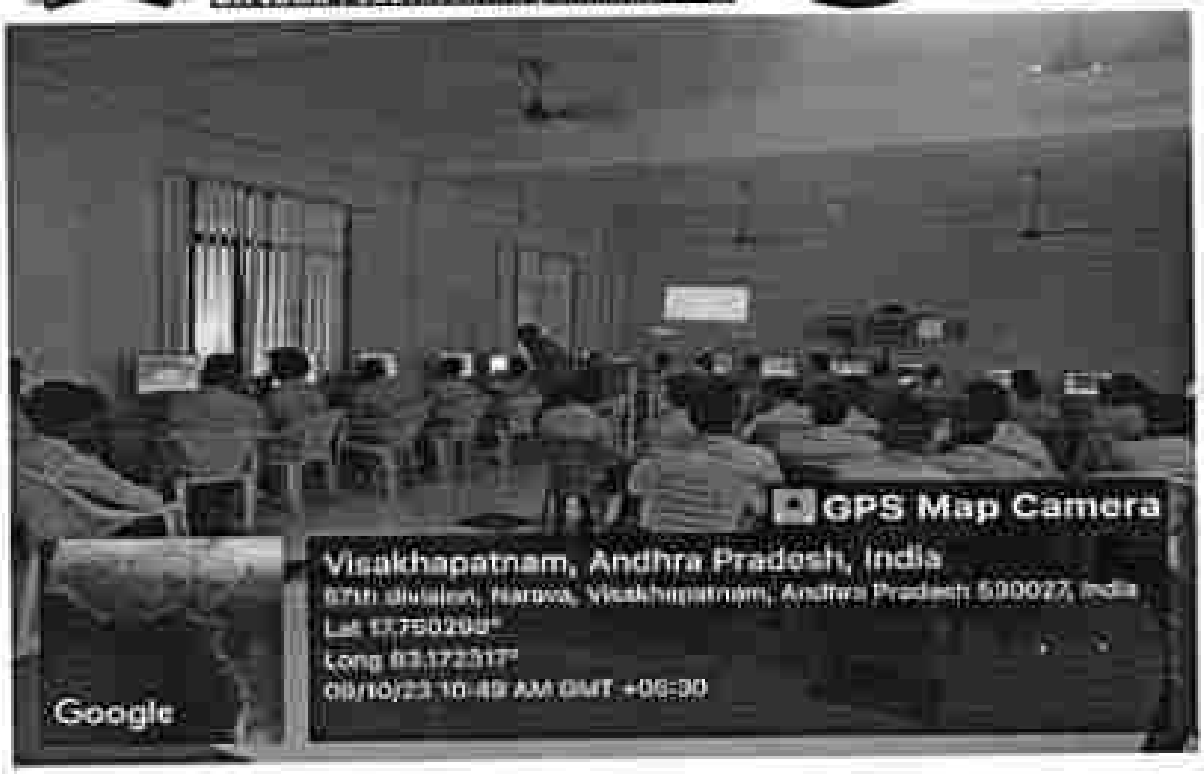
GPS Map Camera
Visakhapatnam, Andhra Pradesh, India
Google



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ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE **VSPT**

Head of the Department

Principal
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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Accredited by NAAC with A grade, An ISO 9001 :2015 Certified Institution)

(Approved by AICTE & Affiliated to JNTUGV, Vizianagaram, A.P)

88th Division, Narava, Visakhapatnam – 530027 Andhra Pradesh, INDIA.

Certificate Course

This is to certify that Mr/Mrs MAGAPU ASHOK RAJ (21NT1A0302)

of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"CATIA-V5 R23"** from **03/10/2023 to 14/10/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator
CV5-R23
Dr. P.V.V.Satyanarayana
Ph.D, M.Tech, MBA, B.Tech

HOD
CV5-R23
Dr. T.Satyanarayana
Ph.D, M.E, B.Tech

Principal
VIET
Dr. V.Sridhar Patnaik
Ph.D, M.Tech, B.Tech

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(Approved by AICTE &Affiliated to JNTUGV, Vizianagaram, A.P)

88th Division, Narava, Visakhapatnam–530027 Andhra Pradesh, INDIA.

Certificate Course

This is to certify that Mr/Mrs DUDDUPUDI VIJAYAKUMAR (22NT5A0317) of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"CATIA-V5 R23"** from **03/10/2023 to 14/10/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator
CV5-R23
Dr. P.V.V.Satyanarayana
Ph.D, M.Tech, MBA, B.Tech

HOD
CV5-R23
Dr. T.Satyanarayana
Ph.D, M.E, B.Tech

Principal
VIET
Dr. V.Sridhar Patnaik
Ph.D, M.Tech, B.Tech

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88th Division, Narava, Visakhapatnam – 530027 Andhra Pradesh, INDIA.

Certificate Course

This is to certify that Mr/Mrs M. Y. V. SAMPOORNA HEMANTH (22NT5A0358) of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"CATIA-V5 R23"** from **03/10/2023 to 14/10/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator
CV5-R23
Dr. P.V.V.Satyanarayana
Ph.D, M.Tech, MBA, B.Tech

HOD
CV5-R23
Dr. T.Satyanarayana
Ph.D, M.E, B.Tech

Principal
VIET
Dr. V.Sridhar Patnaik
Ph.D, M.Tech, B.Tech

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(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

A Certificate Courses on CATIA V5 R23 Department of Mechanical Engineering
Date 03-10-2023 to 14-10-2023, Attendance Sheet for Btech III-I Students
Afternoon Session (1.30pm-04:00pm)

S.No	Reg No	Name of the student	3/10/23	4/10/23	5/10/23	6/10/23	7/10/23	9/10/23	10/10/23	11/10/23	12/10/23	13/10/23	14/10/23	Total days Present
1	21N71A0501	GRAHU	✓	✓	✓	✓	✓	AB	✓	✓	AB	✓	✓	9
2	21N71A0502	M ASHOK RAJ		✓	✓	AB	✓	✓	✓	✓	AB	✓	✓	9
3	22N75A0301	A SIMHACHALAM	AB	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
4	22N75A0307	B V GANESH ADIRAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11
5	22N75A0307	CH. RAJ.YAN	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	10
6	22N71A0309	CHOLLANGI SUDHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11
7	22N75A0310	DAJI SAI CHANDU	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	AB	9
8	22N71A0313	D SHIVA KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	AB	AB	✓	9
9	22N75A0316	D PRADEEP CHANDRA	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	10
10	22N75A0317	DI VIJAYAKUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11
11	22N75A0318	DHARMU	✓	✓	✓	AB	AB	✓	✓	✓	✓	✓	✓	9
12	22N75A0319	G CHAITANYA VARMA	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	10
13	22N71A0320	G N G PRASAD YADAV	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	10
14	22N75A0321	G DINESH KUMAR	✓	✓	✓	✓	AB	AB	✓	✓	✓	✓	✓	9
15	22N75A0323	G VEERTHIK KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	10
16	22N75A0325	G SANKAR RAO	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	AB	9
17	22N75A0328	JAMIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	10
18	22N75A0329	JMANIKANTA	✓	✓	AB	✓	✓	✓	✓	✓	✓		✓	10
19	22N75A0330	K SAI PAVAN KALYAN	AB	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
20	22N71A0331	K SESHU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11
21	22N75A0334	K SASI KUMAR	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	10
22	22N75A0338	KARUKU KUMAR	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	10
23	22N75A0340	K SAI MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	10

24	22NT5A0042	K TEJA PRADEEP KUMAR	✓	✓	✓	✓	AB	✓	AB	✓	✓	✓	✓		9
25	22NT5A0045	K ISWAR KALYAN	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓		10
26	22NT5A0046	K THOSH NAIDU	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		10
27	22NT5A0049	L PRASANTH KUMAR	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓		10
28	22NT5A0050	LCHANDU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
29	22NT5A0051	LANKA DILEEP	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓		10
30	22NT5A0055	MUDIGA RAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB		10
31	22NT5A0056	MARRA AJAY KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓		10
32	22NT5A0057	M MADHUKANTA YASWANTH	✓	AB	✓	AB	✓	✓	✓	✓	✓	✓	✓		9
33	22NT5A0058	M V SAMPOORNA HEMANTH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓		10
34	22NT5A0059	M PAVAN	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓		10
35	22NT5A0061	M CHANDU	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓		10
36	22NT5A0062	M RAJESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
37	22NT5A0067	N S V SAI BHARAT KUMAR	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓		10
38	22NT5A0070	NARAVA VASU	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓		10
39	22NT5A0072	N. RAVI CHARAN	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓		10
40	22NT5A0077	PILLA MAHESH	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓		10
41	22NT5A0078	P DEEPTA PRASAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
42	22NT5A0081	P YOGESH KRISHNA SAI	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓		10
43	22NT5A0082	P RAJ KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
44	22NT5A0084	P VENKATESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	AB		9
45	22NT5A0090	SIVADRI RAJU	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓		10
46	22NT5A0091	S PRABASH	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓		10
47	22NT5A0092	T PAVANPUTHRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
48	22NT5A0093	T PITHAMBAR	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓		10
49	22NT5A0095	U ASHOK KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓		10
50	22NT5A0098	VLAXMIKANTH	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓		10
51	22NT5A0151	V RAMESH	✓	✓	✓	✓	✓	AB	AB	✓	✓	✓	✓		9
52	22NT5A0147	Y MANIKANTA	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓		10
53	22NT5A0154	Y YUVA RAMA KRISHNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
54	22NT5A0155	YUGDEEP KUMAR	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓		10
55	22NT5A0246	V GOKUL	✓	✓	✓	✓	✓	✓	✓		AB	AB	✓		9

56	22NT5A0TA0	O MUKHESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓		10
57	22NT5A0000	J APPAJI	✓	✓	✓	✓	✓	✓	AB	AB	✓	✓	✓		9
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59	22NT5A0002	CHIMPU ANUDH	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓		10
60	22NT5A0003	CH LINGADEESH VARMA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
61	22NT5A0004	D BHARGAV	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓		10
62	22NT5A0005	G FARDIN MAHESH	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓		10
63	22NT5A0006	K VINAY	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓		10
64	22NT5A0008	P SRAVAN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
65	22NT5A03C1	VADLA VISHNU KUMAR	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓		10
66	22NT5A03C4	M PRADEEP KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		11
Total Present on the Day			✓	✓	✓	✓	60	✓	✓	✓	AS	✓	✓		9

Pvv Sahi

In-charge Signature

HOD Signature

Principal

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

39	22NT5A0370	NARAVA VASU	N.Vasu
40	22NT5A0372	NELATURI RAVICHARAN	N. Ravi Charan
41	22NT5A0377	PILLA MAHESH	P. Mahesh
42	22NT5A0378	P DURGA PRASAD	P. Durga Prasad
43	22NT5A0381	P YOGESH KRISHNA SAI	P. Sai
44	22NT5A0382	PRASANGI SAI KUMAR	
45	22NT5A0384	PULIGA VENKATESH	P. Venkatesh
46	22NT5A0390	SIYADRI RAJU	S. Raju
47	22NT5A0391	SUNKARA PRAKASH	S. Prakash
48	22NT5A0392	TALARI PAVANPUTHRA	
49	22NT5A0393	THANGULA PITHAMBAR	T. Pithambar
50	22NT5A0395	URUKUTI ASHOK KUMAR	U. Ashok
51	22NT5A0398	VATTIKALA LAXMIKANTH	V. Laxmi Kanth
52	22NT5A03A1	VIYYAPU RAMESH	
53	22NT5A03A2	YADLA MANIKANTA	Manikanta
54	22NT5A03A4	Y YUVA RAMA KRISHNA	Y. Yuva Rama Krishna
55	22NT5A03A5	YERIPILLI DILEEP KUMAR	
56	22NT5A03A6	YERIPILLI GANESH	Y. Ganesh
57	22NT5A03A9	GANAGALLA MUKHESH	
58	22NT5A03B0	JAGAVARAPU APPAJI	Jagavarapu
59	22NT5A03B1	B SUMANTH KUMAR	
60	22NT5A03B2	CHIDIPI ASHISH	CH. Ashish
61	22NT5A03B3	CH JAGADEESH VARMA	CH. Jagadeesh Varma
62	22NT5A03B4	D BHARGAV	
63	22NT5A03B5	GONDESI TARUN MAHESH	G. Mahesh
64	22NT5A03B6	KANDIPALLI VINAY	K. Vinay
65	22NT5A03B8	P SRAVAN KUMAR	P. Sravan Kumar
66	22NT5A03C1	YADLA YERNI KUMAR	Y. Yerni Kumar
67	22NT5A03C4	MANTENA PRADEEPKUMAR	

P.v.v Satya

Class Coordinator

P.v.v Satya

Program Coordinator

HOD Signature

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Kapuluppada, Visakhapatnam-530 027.

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Rishi Division, Marada, GVMC, Visakhapatnam-530027

NAAC A GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Date: 16-09-2023

CIRCULAR

This is to inform to all the Head of the Departments of PG, UG are here by informed that Department of Mechanical Engineering is organizing **"A Two Weeks Certificate Program on Ansys Innovation"** in our college premises from **18-09-2023 to 30-9-2023.** We request all the final year Mechanical students kindly participate in the workshop.

Date: 18-09-2023 to 30-9-2023

Timings: 10:00am-1:00pm

Venue: Seminar Hall, Block -1

HoD-Mechanical

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Copy submitted to:- Hon'ble Chairman

Copy to:- All Concerned/Notice Boards

IQAC	R&D	EXAM CELL	CIVIL	EEE	ME/AME	ECE	CSE	BS&H	MBA	LIB

"TWO WEEK CERTIFICATE COURSE on ANSYS INNOVATION"

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication :

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s)

Registration Details:

1) For students: Rs. 250/- per participant

Date:

Station:

Chief Patron : **Sri G. Satyanarayana**
CHAIRMAN

Patron : **Dr. V Sridhar Patnaik**
PRINCIPAL

Convener : **Dr T Satyanarayana**
HOD, MECH

Co-ordinator :

Dr P V V Satyanarayana, Associate Professor
Dr K Sri Raja Vikas, Associate Professor

Student co-ordinator:

Sri P Ganesh ,Ph .no. 9494018229
Sri P Nanji, Ph .no . 7870940653
Sri S Upendra Ph .no . 9502160471
Sri N Yaswanth ,Ph .no. 6302847846
Sri S V Vasu Deva Ph .no . 8555902329

Advisory Committee:

For further details:

Mr. A Murali Krishna M.Tech
Assistant Professor
9703392699

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY

"TWO WEEK CERTIFICATE COU on ANSYS INNOVATION"

From "18-09-2023 to 30-09-20

Organized By

Department of Mechanical Engineering

Visakha Institute of Engineering & Technolog
(Approved by AICTE & affiliated to JNTUK, Kakinada)
88th Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

VISAKHA

Visakha Institute of Engineering & Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10 acres of scenic landscape which is an ideal place.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering was established in the academic year 2011. The Department presently offers UG study program leading to the degree of B.Tech Mechanical Engineering and PG program M.Tech CAD/CAM & Thermal Engineering. With approval from AICTE, for UG & PG Programmes. The Department has well equipped laboratories and infrastructural facilities. The department has well equipped smart class rooms with necessary teaching aids viz., with LCD projectors in order to enable power point presentations for necessary lecture topics. The faculty are trained to make the students reach their goals.

ABOUT THE TWO WEEK CERTIFICATE COURSE on **ANSYS INNOVATION**

The Two-week ANSYS INNOVATION certificate course covers. Ansys provides high-performance, automated meshing software that produces the most appropriate mesh for FEA, CFD and other multi physics solutions. Ansys Innovation Courses are award-winning, free, online physics and engineering courses designed for educators, students and engineers to enhance simulation and physics learning. This program was explicitly structured so as to give a detailed knowledge regarding non-linear stress analysis using ANSYS. The course incorporates a review section for design validation using ANSYS analysis tools.

The certificate course integrates a review segment, enabling participants to utilize ANSYS analysis and simulation tools for design validation and optimization. The program concludes with participants actively participating in real-world projects, applying their newly acquired skills to practical scenarios. The course maintains a dynamic learning environment throughout, incorporating a blend of lectures, demonstrations, and hands-on exercises. This approach ensures a comprehensive learning experience that fosters both theoretical understanding and practical proficiency in ANSYS Innovation.

CONTENTS OF THE TWO WEEK CERTIFICATE COURSE

It performs advanced engineering simulations accurately. ...

It optimizes various features like geometrical design, boundary conditions, etc.

It runs multiple solver technologies parallelly, giving fast solutions. ...

it can simulate the interaction be dynamic, static, and fluid elements.

It performs advanced engineering simul accurately. This is the key to an enh product design leaving room for less error It optimizes various features like geom design, boundary conditions, etc.

Resource Persons:

Dr .K Sri Ram Vikas, M.Tech, B.Tech the Associate Professor at Visakha In of Engineering & Technology. experienced and knowledgeable profes in the field of computer-aided design (C With 8 years of expertise in an ANSYS, for diverse engineering applic and he brings a wealth of pra experience and insights to the work Having successfully contributed to pro industries or achievements CATIA V also possesses a hands-on understandi its practical implementation. The dy teaching style, real-world applica ensuring an engaging and enriching le experience throughout the workshop.

Organizing Committee:

Mr M Rambabu , Associate Professor
Mrs K Chandra, Associate Professor
Mr. G Sunil, Assistant Professor
Mr. A Murali Krishna, Assistant Professor
Mr. A Narendra Kumar , Assistant Professor
Mr.Ch.Veerunaidu, Assistant Professor
Mr.Ch.Kiran Kumar Assistant Professor
Mr.K Jagadesh , Assistant Professor

Name of the program: "A Two Weeks Certificate Program on Ansys Innovation"

Date: 18-09-2023 to 30-9-2023

Resource Person:

Dr.P.V.V.Satyanarayana,
Assoc Professor,
VIET.

Name of the Coordinator: Dr. T.Satyanarayana, HoD, Mechanical Engineering

No of students attended: 120

Objective of the Certification Course:

One Week **Certification Course** was organised by Department of Mechanical Engineering, VIET, Visakhapatnam, A.P. on Ansys Innovation fom 18th September to 30th September, 2023 for IV B.Tech students.

Ansys provides high-performance, automated meshing software that produces the most appropriate mesh for FEA, CFD and other multi physics solutions. Ansys Innovation Courses are award-winning, free, online physics and engineering courses designed for educators, students and engineers to enhance simulation and physics learning. This program was explicitly structured so as to give a detailed knowledge regarding non-linear stress analysis using ANSYS.

Outcome of the Program:

- It performs advanced engineering simulations accurately. ...
- It optimizes various features like geometrical design, boundary conditions, etc.
- It runs multiple solver technologies parallelly, giving fast solutions. ...
- It can stimulate the interaction between dynamic, static, and fluid elements.
- It performs advanced engineering simulations accurately. This is the key to an enhanced product design leaving room for less error.
- It optimizes various features like geometrical design, boundary conditions, etc.

Course content for 2-weeks

Week-1

Day: 1-2 Axial Fan

It is often useful to reduce the complexity of a computational model, without compromising on the accuracy, to save on computational resources and simulation time. When a model can be defined by repeating patterns both in terms of geometry and fluid flow, it is possible to leverage the concept of periodicity to reduce the size of the computational model. In this workshop, we will explore how to create a computational fluid dynamics (CFD)-ready mesh for simulating the flow of air around an axial fan using the Ansys Fluent Meshing watertight geometry workflow. We will specifically look at how to assign periodic boundaries and how to prepare the CAD to facilitate the creation of these periodic boundaries.

Day: 3-4 Battery Module

For certain applications, the geometries can often contain parts with repeating linear patterns, such as the fins of a heat exchanger or the cells in a battery module. For such cases, the Add Linear Mesh Pattern task allows the user to create linear mesh patterns of the selected object, without needing to include the patterns in the original CAD geometry. In this workshop, we will demonstrate how to create a CFD-ready mesh using the Ansys Fluent Meshing watertight geometry workflow, which can be used for performing the conjugate heat transfer (CHT) analysis of a battery module. We will specifically look at how to use the Add Linear Mesh Pattern task to prepare a battery module from a single battery unit and demonstrate how to perform share topology to facilitate the generation of conformal polyhedra mesh.

Day: 5-6 Stop Valve

In certain cases, the imported geometries can often contain only solid domain and the fluid domain needs to be extracted. For such cases, the Enclose Fluid Regions task allows the user to create cap surfaces at the opening of the solid geometry, which facilitates the extraction of the fluid domain. In this workshop, we will demonstrate how to create a CFD-ready mesh using the Ansys Fluent Meshing watertight geometry workflow, which can be used to study the fluid flow through a stop valve. Apart from capping and subsequent fluid domain extraction, we will specifically look at how to import a body of influence (BOI) geometry and add a BOI local sizing control to refine the mesh at the valve section to capture the complex flow dynamics during the simulation. Finally, we will look at how to create boundary layers not only in the fluid region, but also in the solid regions, which will help to accurately predict the temperature gradients while performing the CHT analysis.

Week-2

Day: 1-2 Generic Aircraft Geometry

For simulating external aerodynamics problems such as flow over an aircraft or flow over an automobile, it is critical to ensure that appropriate mesh refinement is used in regions where the flow behavior is highly dynamic — for example, in the boundary layer region or the wake region behind the body. In this workshop, by using a generic aircraft model, we will explore how to use the Ansys Fluent Meshing watertight geometry workflow to create a CFD-ready mesh, with the intention of performing an external aerodynamics type analysis of this model. Specifically, we will discuss how to create local mesh refinement regions by offsetting the surface of the model, and we will also create boundary layer mesh that can be used to efficiently capture the near-wall fluid flow behavior.

Day: 3-4 Finned-tube Heat Exchanger

In this course, we will explore the process of creating a CFD-ready mesh for a finned-tube cross flow heat exchanger model, which can be used for conducting a conjugate heat transfer analysis. We will specifically highlight the Set up Periodic Boundaries task, which can be used to handle geometries with periodic boundaries, and take a closer look at how to set up the translational type periodic boundaries for our model. Also, we will demonstrate how to change the boundary types of certain boundaries and perform translational shift of the model using the Transform Volume Mesh task.

Day: 5-6 Turbine Blade Geometry

In this course, we will see how to use the Ansys Fluent Meshing Watertight Geometry Workflow to generate a CFD-ready mesh for a turbine blade geometry that can be used for conducting a conjugate heat transfer analysis. We will specifically highlight how to set up rotational periodic boundaries using the manual method in this model. We will also look at how to add curvature local size control to accurately resolve the curved cooling passages. Finally, before generating the volume mesh, we will create boundary layer mesh in both fluid and solid regions for better prediction of temperature gradients.

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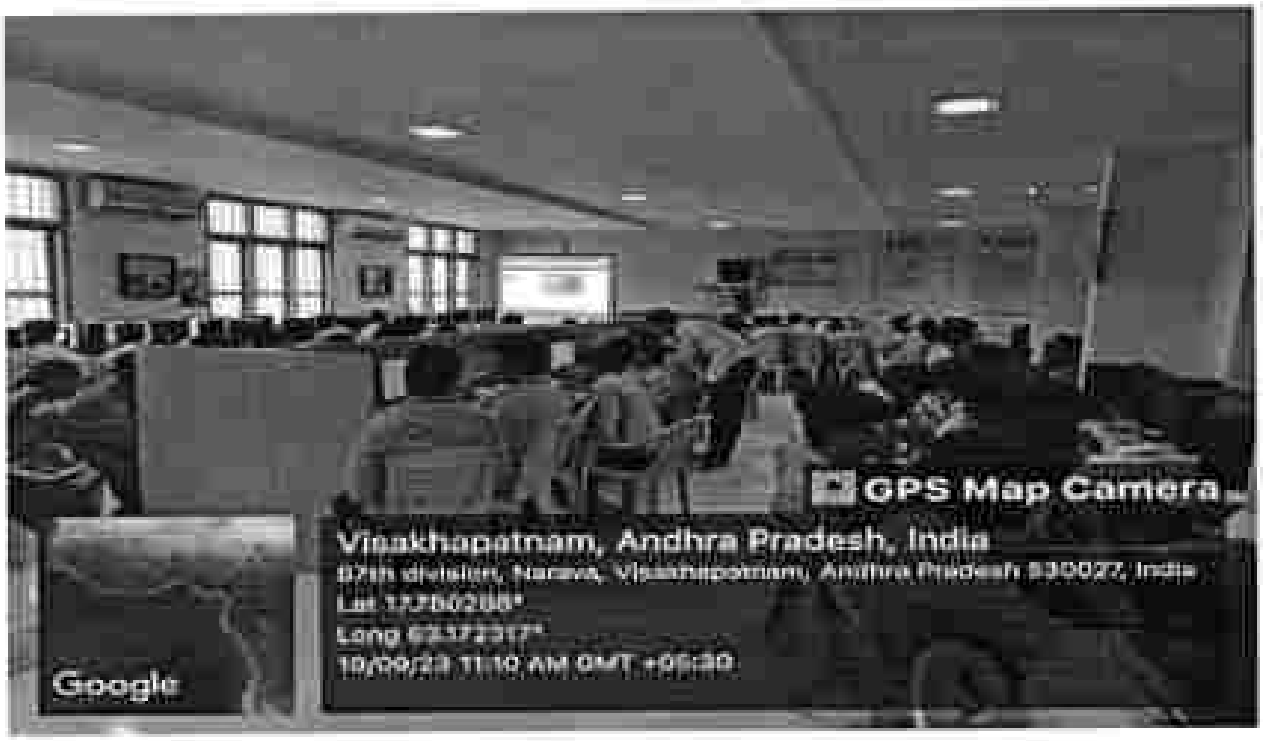

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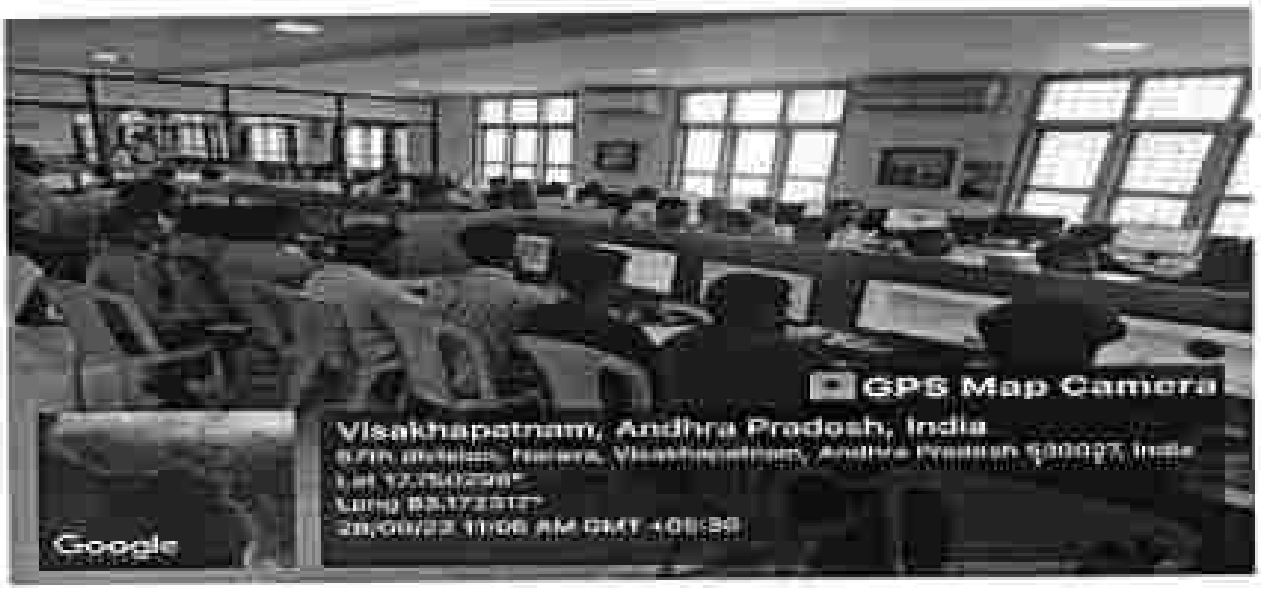
GPS Map Camera
Visakhapatnam, Andhra Pradesh, India
Google


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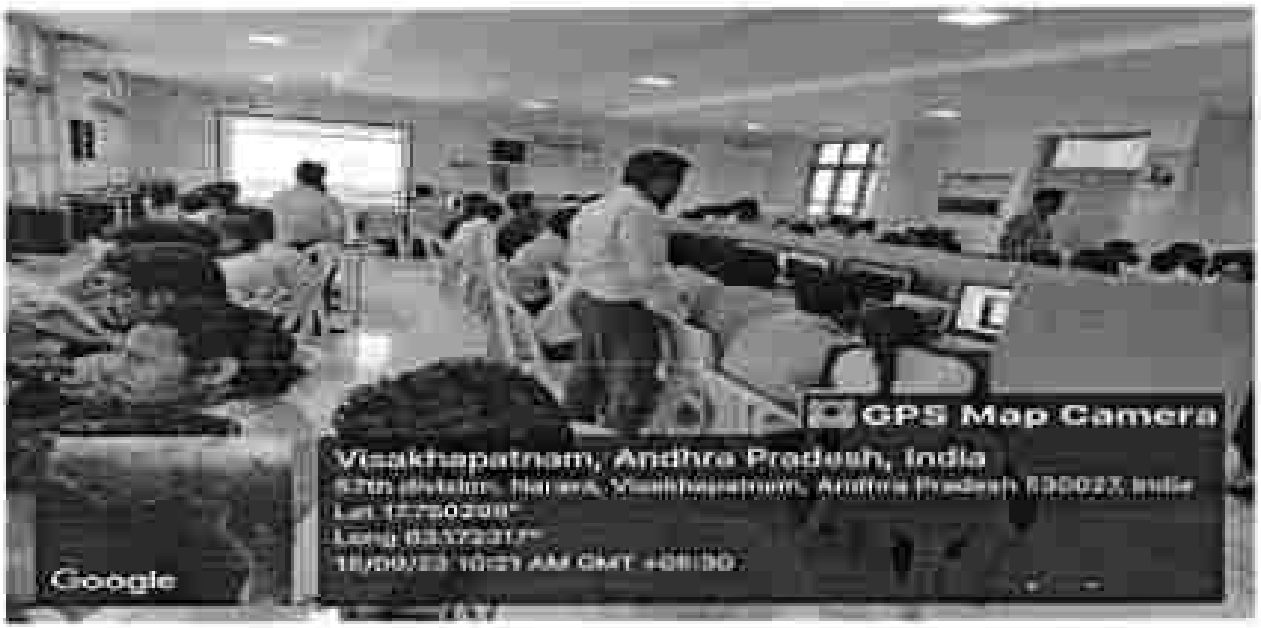
Sth Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE VSPT



Head of the Department

Principal
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

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88th Division, Narava, Visakhapatnam – 530027, Andhra Pradesh, INDIA.

Certificate Course

This is to certify that Mr/Mrs EPPILI KUMAR (20NT1A0303) of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"Ansys Innovation"** from **18/09/2023 to 30/09/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator	HOD	Principal
AI-2023	AI-2023	VIET
Mr A.Narendra Kumar	**Dr. T.Satyanarayana**	**Dr. V.Sridhar Patnaik**
M.Tech, B.Tech	**Ph.D, M.E, B.Tech**	**Ph.D, M.Tech, B.Tech**

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Certificate Course

This is to certify that Mr/Mrs BATCHALA SIVA(21NT5A0319) of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"Ansys Innovation"** from **18/09/2023 to 30/09/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator	HOD	Principal
AI-2023	AI-2023	VIET
Mr A.Narendra Kumar	**Dr. T.Satyanarayana**	**Dr. V.Sridhar Patnaik**
M.Tech, B.Tech	**Ph.D, M.E, B.Tech**	**Ph.D, M.Tech, B.Tech**

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Certificate Course

This is to certify that Mr/Mrs GANDEPALLI BHANU PRAKASH(21NT5A0351) of Visakha Institute of Engineering and Technology has completed His/Her Two Weeks Certificate Course on **"Ansys Innovation"** from **18/09/2023 to 30/09/2023**, Organized by Department of Mechanical Engineering.

Class Coordinator
AI-2023
Mr A.Narendra Kumar
M.Tech, B.Tech

HOD
AI-2023
Dr. T.Satyanarayana
Ph.D, M.E, B.Tech

Principal
VIET
Dr. V.Sridhar Patnaik
Ph.D, M.Tech, B.Tech

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A Certificate Courses on Ansys Innovation
Department of Mechanical Engineering Attendance Sheet for Btech IV-I Students
Morning Session (10:00am-1:00pm)

S.No	Reg No	Student Name	18/9/23	19/9/23	20/9/23	21/9/23	22/9/23	23/9/23	25/9/23	26/9/23	27/9/23	28/9/23	29/9/23	30/9/23
1	20N71A0301	CH. KISHORE	✓	✓	✓	✓	✓	AB	✓	✓	AB	✓	✓	✓
2	20N71A0302	DHARMS KUMAR	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
3	20N71A0303	E KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
4	20N71A0304	G CHANDRA MOULI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	20N71A0305	I SAI CHARAN APPAJI	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
6	20N71A0306	K SAI CHARAN	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
7	20N71A0310	K KUMAR	✓	AB	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	20N71A0311	K HIMANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓
9	20N71A0313	N UPENDRA	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	21N73A0303	A SIVA RAM DEV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB
11	21N73A0304	A PAVAN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	21N73A0305	A GOWRI SANKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	21N73A0306	A UDAY SIVA RAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB
14	21N73A0307	A V RAO	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
15	21N73A0309	A V D ARUNA TEJA	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
16	21N73A0310	A GANESH	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	21N73A0313	A SATEESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
18	21N73A0316	B SAI SURESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
19	21N73A0317	B V NARASIMHA KARTHIK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	21N73A0318	B ANJALI	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
21	21N73A0319	B SIVA	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
22	21N73A0320	B KIRAN	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	21N73A0321	B DURGA PRASAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB

24	21NT5A0322	B MURALI KRISHNA	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	
25	21NT5A0323	B MOULI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	
26	21NT5A0326	B MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
27	21NT5A0356	B JAHNAVI	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	
28	21NT5A0329	BHARANDHA KUMAR	✓	FB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
29	21NT5A0329	B TEJESWAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
30	21NT5A0330	B SAI SANKAR	✓	✓	✓	AB	AB	✓	✓	✓	✓	✓	✓	✓	
31	21NT5A0331	CH SOMESH	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	
32	21NT5A0333	CH PAVAN SAI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
33	21NT5A0334	CH PRUDHVI	✓	✓	✓	✓	✓	FB	✓	✓	✓	✓	✓	✓	
34	21NT5A0335	D CHAITHANYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	
35	21NT5A0338	D ANAND KUMAR	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
36	21NT5A0340	D PADMREDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
37	21NT5A0341	D SAI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	
38	21NT5A0343	D SOMESH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
39	21NT5A0344	D SUNDARA RAO	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	
40	21NT5A0346	D APPARAO	✓	FB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
41	21NT5A0347	D UDAY KIRAN	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	
42	21NT5A0348	D DIVAKAR REDDY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
43	21NT5A0349	E A SAMPATH KUMAR	✓	✓	✓	✓	✓	FB	✓	✓	✓	✓	AB	✓	
44	21NT5A0350	G PAVAN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	
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46	21NT5A0352	G DEVARAJU	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	
47	21NT5A0354	G MOHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
48	21NT5A0356	G SRI HARI	✓	✓	✓	✓	FB	✓	✓	✓	✓	✓	✓	✓	
49	21NT5A0358	S VENKATA SUBBARAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	
50	21NT5A0361	G NAGARAJU	✓	✓	✓	✓	AB	✓	✓	✓	AB	✓	✓	✓	
51	21NT5A0362	J PAVAN TEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
52	21NT5A0366	J PRAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	
53	21NT5A0367	J JOSHI	✓	FB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

54	21NT5A0169	J KUSUMANTH RATNA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
55	21NT5A0171	J KIRAN KUMAR	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
56	21NT5A0172	K IBRAHIM CHARI	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
57	21NT5A0174	K YASWANTH	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
58	21NT5A0176	K JASWANTH	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
59	21NT5A0180	K VAMSI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
60	21NT5A0181	K TEJA KIRAN	✓	✓	AB	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
61	21NT5A0182	K SIVANARAYA	AB	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
62	21NT5A0183	K JASWANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	AB	✓
63	21NT5A0184	K VINKAT KHOSRE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
64	21NT5A0185	K MOHAN	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
65	21NT5A0189	K RAJA	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
66	21NT5A0190	KOLA VIMA RAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
67	21NT5A0191	K AJAY	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
68	21NT5A0192	K NARASIMHA RAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
69	21NT5A0194	K JAGAN	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
70	21NT5A0196	K MOKSHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
71	21NT5A0198	KOTA NAVEEN	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
72	21NT5A0199	KORANTMAYA	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
73	21NT5A0151	SACHANDRAMOULI	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
74	21NT5A0142	K SAI MANIKANTA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	21NT5A0143	KIRANKAR	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
76	21NT5A0144	K NARESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
77	21NT5A0145	K AKHIL	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
78	21NT5A0149	KUMARNATH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
79	21NT5A0100	MYOWTHAM	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80	21NT5A0101	M.BURJINDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
81	21NT5A0102	MANOJ VIVEK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
82	21NT5A0105	M SUSITHA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
83	21NT5A0108	M MOHAN SAYEE	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
84	21NT5A0109	U K GOWTHAM VARMA	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	AB	✓	✓
85	21NT5A0110	M VAMSI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓

86	21N15A03C1	M SHIVA NARAYANA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
87	21N15A03C2	N DHANA LAXMI	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
88	21N15A03C3	N HARI UDHAYA	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
89	21N15A03C4	N JEYAGANESH	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
90	21N15A03C5	N PAVANKUMAR	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
91	21N15A03C6	N SURYA CHANDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓
92	21N15A03C7	N SHANMUK VARMA	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
93	21N15A03C8	N SMITHAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓
94	21N15A03C9	N SUDHIR	✓	✓	AB	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
95	21N15A03D2	SHAILA SASI KIRAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
96	21N15A03D3	N RAMESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
97	21N15A03D5	P PAVAN KALYAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
98	21N15A03D6	P SANDHYA RANI	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
99	21N15A03D7	P AJAY REDDY	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100	21N15A03D8	P V NARASIMHA MURTHY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
101	21N15A03D9	P MADHAVA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
102	21N15A03E2	P NAGABH	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
103	21N15A03E3	P GANESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	AB
104	21N15A03E5	P CHANDRA SHEKHAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
105	21N15A03E8	P VAMSI	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
106	21N15A03E9	PITHANI MANIKANTA	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
107	21N15A03F0	P PREM KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓
108	21N15A03F2	PUDI PUNEETH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
109	21N15A03F3	R LAXMANA KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
110	21N15A03F5	R KRISHNA	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
111	21N15A03F6	R SANKAR	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
112	21N15A03F7	R VINAY SAI KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
113	21N15A03F9	REDDY RAVI SANKAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
114	21N15A03G0	S SATYA TANUSH	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
115	21N15A03G2	SAIRAM DOLAI	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

116	21N1S4R003	SALAGIRAMU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB
117	21N1S4G004	S VENKATA RAMU DEVA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
118	21N1S4G008	S JANARDHAN	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
119	21N1S4D00	T APPALARAJU	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
120	21N1S4U004	T VAMSI	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
121	21N1S4U005	T HEMANTH	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	AB
122	21N1S4H006	T MAHESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
123	21N1S4U007	T DORA BABU	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
124	21N1S4U010	T HEMANTH	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	AB	✓	✓
125	21N1S4U011	U GANESH	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
126	21N1S4R012	U GANESH	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
127	21N1S4A014	V YOGESH	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
128	21N1S4R016	V SRAVANI	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
129	21N1S4G016	V RAVITEJA	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
130	21N1S4H017	V KRISHNA	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
131	21N1S4G018	V PRAVEEN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
132	21N1S4G019	V YASWANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
133	21N1S4G020	VEERABHADRUDU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
134	21N1S4V022	V NITHIN	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
135	21N1S4G023	V VIJAYASRI	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
136	21N1S4D025	V NAVEEN	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
137	21N1S4R026	V SURYA APPARAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
138	21N1S4G029	V VENKATA RAMANA	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
139	21N1S4D031	V EHANURAJ	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
140	21N1S4E032	V SUJATHA	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
141	21N1S4G033	A JANAKI RADHU RAMA RAJU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
142	21N1S4G035	A BAVITEJA	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	AB	✓
143	21N1S4G038	CH VARUN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
144	21N1S4G039	D SAI DURGA PRASAD	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
145	21N1S4G040	D SAI MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
146	21N1S4G041	G JOHNSON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓

147	21NTSA0012	G PAVAN CHAITANYA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
148	21NTSA0014	G SOMA SEKHAR	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓
149	21NTSA0015	G LOKESH	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
150	21NTSA0016	G RAKESH RAJ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB
151	21NTSA0017	I GANESH	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓
152	21NTSA0018	D PRASANTH JEREMIAH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
153	21NTSA0019	K SATISH SEEMANTH	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
154	21NTSA0020	K JOHNSON	✓	✓	✓	✓	AB	✓	✓	✓	✓	AB	✓	✓	✓
155	21NTSA0021	K SANDEEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
156	21NTSA0022	K MANOJ	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
157	21NTSA0023	K POORNAIAH	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
158	21NTSA0024	KOLLARI SAI TARUN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
159	21NTSA0025	K DHEERAJ KUMAR	✓	✓	✓	✓	AB	✓	✓	✓	AB	✓	✓	✓	✓
160	21NTSA0026	K LAKSHMI SUMANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
161	21NTSA0027	K VENKATA NAIDU	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	AB
162	21NTSA0028	K AKHIL VINAY	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓
163	21NTSA0029	K VENKATA SAI	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
164	21NTSA0030	MADUKA RAVI	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
165	21NTSA0031	M LAKSHMAN MANOHAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
166	21NTSA0032	M LOKESH KRISHNA	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
167	21NTSA0033	M BHASKAR SAI NARENDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
168	21NTSA0034	N GAYATRI	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
169	21NTSA0035	N YASWANTH	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓
170	21NTSA0036	PVINAY KUMAR	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓
171	21NTSA0037	PERLA SRIDHAR	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓
172	21NTSA0038	S KARTHIK	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
173	21NTSA0039	P SANTOSH KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
174	21NTSA0040	SHABIR KHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓
175	21NTSA0041	T SRAVANTH	✓	✓	✓	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓

176	21N15A0358	VELLAPPARAO	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓		
177	21N15A0359	V AJAY KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓		
178	21N15A0392	V SRAVAN KUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
179	21N15A0397	Y YASHWANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB		
180	21N15A0394	V CHANDRA MOULI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
181	21N15A0395	K SAI ROHITH VARMA	AB	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓		
182	21N15A0396	SIDDARA VARSHITH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
183	21N15A0398	K SAI DURGA PRASAD	✓	✓	✓	✓	✓	✓	AB	✓	✓	✓	✓	✓		
184	21N15A0445	D HEMANTH	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB	✓	✓		
Total Present on the Day:			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	AB		

In-charge Signature

HOD Signature

Principal

PRINCIPAL

A Certificate Courses on Ansys Innovation
Department of Mechanical Engineering
Attendance Sheet for B.Tech IV-I

S.NO	BRANCH	REG.D NUMBER	NAME OF THE STUDENT	SIGNATURE
1	MECH	20NT1A0301	Chukka.Kishore	Ch. Kishore
2	MECH	20NT1A0302	DASARI RAJIN KUMAR	D. Rajin's Kumar
3	MECH	20NT1A0305	EPPILI KUMAR	E. Kumar
4	MECH	20NT1A0304	GANDEPALLI CHANDRA MOULI	Chandra Mouli
5	MECH	20NT1A0307	I SAI CHARAN APPAJI	I. Charan
6	MECH	20NT1A0308	KARRI HARI SAI CHARAN	K. Charan
7	MECH	20NT1A0310	KONDALA YOGENDRA KUMAR	K. Y.
8	MECH	20NT1A0311	KORADA HEMANTH	K. Hemanth
9	MECH	20NT1A0313	MEERA UPENDRA	
10	MECH	21NT5A0302	ADARI JAI SIVA RAM DEV	A.S.R.D
11	MECH	21NT5A0304	Adari pavan kumar	
12	MECH	21NT5A0305	ALLADA GOWRI SANKAR	A. Gowri Sankar
13	MECH	21NT5A0306	ALLU UDAY SIVA SAI	A. Uday Siva Sai
14	MECH	21NT5A0307	Angaathi Varadarasarao	
15	MECH	21NT5A0309	ANDRA VENKATA DHARMA ARJUNA TEJA	A.V.D.A. Teja
16	MECH	21NT5A0310	ANGARI GANESH	A. Ganesh
17	MECH	21NT5A0311	ATTI SAYEESH	A. Sayeesh
18	MECH	21NT5A0316	BANDARU SAI SURESH	B. S. Suresh
19	MECH	21NT5A0317	BARLA VENKAT NARASIMHA KARTHIK	B. Karthik
20	MECH	21NT5A0318	Basa Ashok	B. Ashok
21	MECH	21NT5A0319	BATCHALA SIVA	B. Siva
22	MECH	21NT5A0320	BATHINA KIRAN	B. K.
23	MECH	21NT5A0323	BELLAPUKONDA DURGA PRASAD	B. Durga Prasad
24	MECH	21NT5A0322	BHVARA MURALI KRISHNA	B. Murali Krishna

25	MECH	21NT5A0325	BINGAVOLU MOULI	B. mouli
26	MECH	21NT5A0324	BOBBILI MAHESH	
27	MECH	21NT5A0326	Bokam Bharath	
28	MECH	21NT5A0328	BURALI PRASANNA KUMAR	
29	MECH	21NT5A0329	BUSA TULSIWARREDDY	
30	MECH	21NT5A0330	BUSALA SAI SANKAR	
31	MECH	21NT5A0331	Challa Somesh	
32	MECH	21NT5A0333	Chintala Pavan Sai	
33	MECH	21NT5A0334	Chipurupalli jswanth	
34	MECH	21NT5A0337	DARIMISETTI CHAITHANYA	
35	MECH	21NT5A0338	DASARI ANAND KUMAR	
36	MECH	21NT5A0340	DASARI PAIDIREDDY	D. Paidi Reddy
37	MECH	21NT5A0341	DATTI SAI KUMAR	D. Sai Kumar
38	MECH	21NT5A0343	Devarapu kishore kumar	D. kishore kumar
39	MECH	21NT5A0344	DIMILI HEMA SUNDARA RAJU	
40	MECH	21NT5A0346	DONADDI APPARAO	
41	MECH	21NT5A0347	DUDDU UDAY KIRAN	D. Uday Kiran
42	MECH	21NT5A0348	DURGA DIVAKAR REDDY	D. D. Reddy
43	MECH	21NT5A0349	EMANDI SRAVAN SAMPATH KUMAR	E. Sampath
44	MECH	21NT5A0350	Ganapilla Pavan Kumar	G. Pavan Kumar
45	MECH	21NT5A0351	Gandepalli Bhanu Prakash	G. Bhanu
46	MECH	21NT5A0353	Ganthakora Bhaskar	G. Bhaskar
47	MECH	21NT5A0354	GANTLA MOULI	G. Mouli
48	MECH	21NT5A0356	GAVARA SRI HARI	G. Sri Hari
49	MECH	21NT5A0358	SRINIVASA MANIKANTA VENKATA SUBBARAO	G. S. M. Subbarao
50	MECH	21NT5A0361	GOPI NAGABABU	G. Gopi
51	MECH	21NT5A0365	INDALA PAVAN DILEEP	I. Pavan Dilip
52	MECH	21NT5A0366	JAGARAPU PRAVEEN KUMAR	J. Praveen Kumar

57	MECH	21NTSA0367	JAMI.ROHIT	J. Rohit
58	MECH	21NTSA0369	J VENKATA KUSHWANTH RATNA	J Kushwanth
59	MECH	21NTSA0371	Jonnapalli Kiran kumar	J Kiran kumar
60	MECH	21NTSA0372	KAKUMANU N S V BRAHMA CHARI	K Brahma Chari
61	MECH	21NTSA0374	KANCHARATI YASWANTH	K Yaswanth
62	MECH	21NTSA0376	KANDREGULA JASWANTH	K. Jaswanth.
63	MECH	21NTSA0380	Kapa Vamsi Krishna	K. Vamsi.
64	MECH	21NTSA0381	KARANAM TEJA KIRAN	K. Teja
65	MECH	21NTSA0382	KARAKAVALASA SIVANARAYANA	K. Sivan
66	MECH	21NTSA0383	KARRI JASWANTH	K. Jaswanth
67	MECH	21NTSA0384	KARRI VENKAT KISHORE	K.V. Kishore.
68	MECH	21NTSA0386	KILLI MOHAN	K. Mohan
69	MECH	21NTSA0389	KODIGUDLA RAJA	K. Raja
70	MECH	21NTSA0390	KOILA VEMA SAI	K. Sai.
71	MECH	21NTSA0391	Kolagani Ajay	K. Ajay
72	MECH	21NTSA0392	KOLLIPAKA NARASINGA RAO	K. Narasinga
73	MECH	21NTSA0394	KONATHALA JAGAN	K. Jagan.
74	MECH	21NTSA0396	KONCHADA MITHUN NIKETHAN	K. mithun niketh
75	MECH	21NTSA0398	Kota naveen	K. Naveen
76	MECH	21NTSA0399	KOTANA DHANUNJAYA	K. Dhanu
77	MECH	21NTSA03A1	KOTYADA CHANDRAMOULI	K. Chandra
78	MECH	21NTSA03A2	KULAPAKA SAI MANIKANTA	K. Sai Manikanta
79	MECH	21NTSA03A3	KUNAPULI BHASKAR	K. Bhaskar
80	MECH	21NTSA03A4	KUNDRAPU NARESH	K. Naresh
81	MECH	21NTSA03A5	KURUMANA AKHIL	K. Akhil.
82	MECH	21NTSA03A9	Maji Hemanth Kumar	M. Hemanth
83	MECH	21NTSA03B0	MALLA GOWTHAM	M. Gowtham
84	MECH	21NTSA03B1	MALLA SURENDRA	M. Surendra

81	MECH	21NT5A03B2	Manoj vivek	
82	MECH	21NT5A03B5	MORIYALA SUMITHA	M Sumitha
83	MECH	21NT5A03B8	MOLLI MOHAN SATISH	M. Mohan Satish
84	MECH	21NT5A03B9	UDUMURU KRISHNA GOWTHAM VARMA	M. K. Gautham Varma
85	MECH	21NT5A03C0	Mutakanapalli vamsi	M. Vamsi
86	MECH	21NT5A03C1	MYLAPALLI JAI SHIVA NARAYANA	M. J. S. Narayana
87	MECH	21NT5A03C2	Nagarapureddi Dhana Laxmi	N. Dhana Laxmi
88	MECH	21NT5A03C3	Nadalla Hari charan	P. H
89	MECH	21NT5A03C4	Nalla Sivaganga	
90	MECH	21NT5A03C5	NANEPALLI PAVAN KUMAR	P. P K
91	MECH	21NT5A03C6	NANIPALLI SURYA CHANDRA	N. Surya Chandra
92	MECH	21NT5A03C7	NATRA BHANMUK VARMA	N Bhanmuk Varma
93	MECH	21NT5A03C8	N SAIKUMAR	N. Sai Kumar
94	MECH	21NT5A03C9	NELAPARTHI KARTHIK	
95	MECH	21NT5A03D2	NOTLA SASI KIRAN	N. Sasi Kiran
96	MECH	21NT5A03D3	Nowgotla Ramesh	N. Ramesh
97	MECH	21NT5A03D5	Pabolu pavan kalyan	P. P
98	MECH	21NT5A03D6	Pachikoru sandhya rani	P. S
99	MECH	21NT5A03D7	PALA AJAY REDDY	P. Ajay Reddy
100	MECH	21NT5A03D8	PALAKA VARAHA NARASIMHA MURTHY	P. V. N. Murthy
101	MECH	21NT5A03D9	PALLETI MADHAVA	M
102	MECH	21NT5A03E2	PAPPALA NANAJEE	P. N
103	MECH	21NT5A03E3	PARAPATI GANESH	
104	MECH	21NT5A03E7	P CHANDRA SHEKHAR	
105	MECH	21NT5A03E8	PINISETTI VAMSI	P. Vamsi
106	MECH	21NT5A03E9	PITHANI MANOJ	P. Manoj
107	MECH	21NT5A03F0	POOTHI PREM KUMAR	P. Prem Kumar
108	MECH	21NT5A03F2	PUDI PUNEETH	P. P

109	MECH	21NTSA03F3	RAAVI LAXMANA KUMAR	
110	MECH	21NTSA03F5	RAJANA KRISHNA	
111	MECH	21NTSA03F6	RAPAKA SANKAR	
112	MECH	21NTSA03F7	Rapartthy Vinay Sai Kumari	
113	MECH	21NTSA03FV	REDDY RAVI SANKAR	
114	MECH	21NTSA03G0	Sanasapalli satya tanush	
115	MECH	21NTSA03G2	SAIRAM DOLAI	
116	MECH	21NTSA03G3	Saladi Vamsi	
117	MECH	21NTSA03G4	SAMMINGI YERNI VASU DEVA	
118	MECH	21NTSA03G8	SRUKAKULAPU JANARDHAN	
119	MECH	21NTSA03H1	TALLURI BALAJI	
120	MECH	21NTSA03H4	TANGUDU VAMSIKRISHNA	
121	MECH	21NTSA03H5	THEDLAPU HEMANTH	
122	MECH	21NTSA03H6	TENUKUTI MAHESH	
123	MECH	21NTSA03H7	THAMARANA DORA BABU	
124	MECH	21NTSA03H9	THUTA HEMASUNDAR	
125	MECH	21NTSA03I1	Uddagiri Ganesh	
126	MECH	21NTSA03I2	UGGINA GANESH	
127	MECH	21NTSA03I4	Vaddiyagesh	
128	MECH	21NTSA03I5	VAJRAPU SRAVAN KUMAR	
129	MECH	21NTSA03I6	VANAM RAVITEJA	
130	MECH	21NTSA03I7	VANAMA KRISHNA	
131	MECH	21NTSA03I8	VARADA PRAVEEN KUMAR	
132	MECH	21NTSA03I9	Vardineni yaswanth	
133	MECH	21NTSA03J0	VEETURI GANESH	
134	MECH	21NTSA03J2	Viswanadhapalli nithin	
135	MECH	21NTSA03J3	YALAMANCHILI VIJAYASRI	
136	MECH	21NTSA03J5	YARABALA NAVEEN	

137	MECH	21NT5A03J8	YELLAPU SURYA APPARAO	
138	MECH	21NT5A03J9	Yellapu Venkata Ramana	
139	MECH	21NT5A03K1	Yenpilli Dhanaraju	
140	MECH	21NT5A03K2	Yenpilli Muneendra	
141	MECH	21NT5A03K3	ADDALA JANAKI RAGHU RAMA RAJU	
142	MECH	21NT5A03K5	ARIPAKA RAVI TEJA	
143	MECH	21NT5A03K8	CHAPPA VARUN KUMAR	
144	MECH	21NT5A03K9	DUKKA SAI DURGA PRASAD	
145	MECH	21NT5A03L0	Dull Sai Mahesh	
146	MECH	21NT5A03L1	Gankigari dhinesh	
147	MECH	21NT5A03L2	GONTHINA PAVAN CHAITANYA	
148	MECH	21NT5A03L4	GUDALA SOMA SEKHAR	
149	MECH	21NT5A03L5	GUDIVADA LOKESH	
150	MECH	21NT5A03L6	GUNALA KARTHIK RAJ	
151	MECH	21NT5A03L7	thiroodi ganesh	
152	MECH	21NT5A03L8	DHARANI PRASANTH JERRIPOTHULA	
153	MECH	21NT5A03L9	KANDREGULA SATISH HEMANTH	
154	MECH	21NT5A03M0	Karuthi Johnson	
155	MECH	21NT5A03M1	KAPARAPU SANDEEP	
156	MECH	21NT5A03M3	KARANAM MANOJ	
157	MECH	21NT5A03M4	Kare nookaraju	
158	MECH	21NT5A03M6	KILLARI SAI TARUN	
159	MECH	21NT5A03M7	KOMMANAPALLI DHEERAJ KUMAR	
160	MECH	21NT5A03M8	KONATHALA LAKSHMI SUMANTH	
161	MECH	21NT5A03M9	KOTIPOLU VENKATA NAIDU	
162	MECH	21NT5A03N0	KOSURI AKHIL VINAY	
163	MECH	21NT5A03N1	Ladi Venkata Sai	
164	MECH	21NT5A03N2	Madaka Ravi	

165	MECH	21NTSA03N3	MAHANTHI LAKSHMAN MANOHAR	
166	MECH	21NTSA03N5	MALLA LOHIN KRISHNA	
167	MECH	21NTSA03N6	MANDA BHASKAR SAI NAGENDRA	
168	MECH	21NTSA03N7	NADITHOKA GAYATRI	
169	MECH	21NTSA03N9	Neelamsetti Yaswanth	
170	MECH	21NTSA03D0	Pentakota Vinay Kumar	
171	MECH	21NTSA03D1	PERLA SRIDHAR	
172	MECH	21NTSA03D3	SAMBANGI KARTHIK	
173	MECH	21NTSA03D4	SANTOSH KUMAR PONNADA	
174	MECH	21NTSA03D5	SHARUK KHAN	
175	MECH	21NTSA03D6	TEEGELA SRAVANTH	
176	MECH	21NTSA03D8	ULLI APPARAO	
177	MECH	21NTSA03P0	VANTHALA AJAY KUMAR	
178	MECH	21NTSA03P2	VYDESI BRAVAN KUMAR	
179	MECH	21NTSA03P3	Yelama Yaswanth	
180	MECH	21NTSA03P4	VUTAPALLI CHANDRA MOULI	
181	MECH	21NTSA03P5	Kavvuru Sai rohith varma	
182	MECH	21NTSA03P6	GOGABA VARSHITH	
183	MECH	21NTSA03P8	KOLLI PRUDVI SAI DURGA REDDY	
184	MECH	21NTSA0345	DODDI HEMANTH	

Class Coordinator Signature

HOD Signature

CIRCULAR

Date: 03-08-2023

The Department of Electronics and Communication Engineering has planned to conduct Value Added Course from 07-08-2023 to 19-08-2023 for IV ECE students on "Ethical Hacking". The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online & Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Mr.M.Hemanth kumar

Principal
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME/ASE	ECE	CSE	BS&H	MBA	MCA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board _Class Room
- IQAC

REQUISITION LETTER

Date: 01-08-2023

From
Mr.B.Jeevana rao
Head of the department
Department of Electronics and Communication Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Electronics and Communication Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
Ethical Hacking	07-08-2023 to 19-08-2023	30 Hrs.	No

Thanking You.

Yours faithfully,

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

NAME OF THE PROGRAM: Value added course on Ethical Hacking

DURATION OF THE PROGRAM: 07-08-2023 to 19-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	20NT1A0402	DEEPAK KUMAR SINGH	IV Year	ECE	
2	20NT1A0403	DINTELURI HEMALATHA	IV Year	ECE	
3	20NT1A0404	GADE SYAM SUNDER REDDY	IV Year	ECE	
4	20NT1A0405	GOTTIVADA NIKHIL VAMSI	IV Year	ECE	
5	20NT1A0406	JAMPU AJAY KUMAR	IV Year	ECE	
6	20NT1A0408	KANDREGULA ROHITH KUMAR	IV Year	ECE	
7	20NT1A0410	NAGIREDDI AJAY	IV Year	ECE	
8	20NT1A0411	PILLA LIKHITHA SRI	IV Year	ECE	
9	20NT1A0414	VISOTHU HASWANTH VIJAY SAI	IV Year	ECE	
10	21NT5A0402	ARUJA PRAVANI	IV Year	ECE	
11	21NT5A0404	ALLU GANESH PRASANTH KUMAR	IV Year	ECE	
12	21NT5A0405	ALLU PANDEESWARKUMAR	IV Year	ECE	
13	21NT5A0412	DHARMALA PRIYANKA	IV Year	ECE	
14	21NT5A0413	DUVVU GOWRI SHANKAR	IV Year	ECE	
15	21NT5A0414	GANDEPALLI CHANDINI APARNA	IV Year	ECE	
16	21NT5A0415	GANDI SWATHI	IV Year	ECE	
17	21NT5A0416	GANGUTAMU LOKESH	IV Year	ECE	
18	21NT5A0417	GEDDAM GOWRI	IV Year	ECE	
19	21NT5A0419	JAVAPU SAIKUMAR	IV Year	ECE	

NAME OF THE PROGRAM: Value added course on Ethical Hacking

DURATION OF THE PROGRAM: 07-08-2023 to 19-08-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
20	21NT5A0420	KALAM PRASAD KUMAR	IV Year	ECE	
21	21NT5A0421	KANCHEPATI KUSUMA SRI	IV Year	ECE	
22	21NT5A0426	KORUPROLU MALINI	IV Year	ECE	
23	21NT5A0427	MALLA UKHITH KUMAR	IV Year	ECE	
24	21NT5A0428	MARRI SAIKRISHNA	IV Year	ECE	
25	21NT5A0429	MARTHULA VENU GOPAL REDDY	IV Year	ECE	
26	21NT5A0430	MATHU NAGA BABU	IV Year	ECE	
27	21NT5A0431	MULAGAPAKA TARUN	IV Year	ECE	
28	21NT5A0432	MUNAKALA GANESWARI	IV Year	ECE	
29	21NT5A0433	NUKALA VENKAYYA SURYA LAKSHMI VARA PRASAD	IV Year	ECE	
30	21NT5A0437	PEDDIREDLA BRAVANI	IV Year	ECE	
31	21NT5A0438	PULAMARASETTY VANI	IV Year	ECE	
32	21NT5A0439	PYLA SUJATHA	IV Year	ECE	
33	21NT5A0443	SARIKA VENNELA	IV Year	ECE	
34	21NT5A0446	SUNKESETTY BALAKRISHNA	IV Year	ECE	
35	21NT5A0447	THATIKOLU HARI SAI KUMAR	IV Year	ECE	
36	21NT5A0455	GOPI BABABU	IV Year	ECE	

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

ETHICAL HACKING - SYLLABUS

Course Objectives

The security of digital infrastructure is an utmost need for an organization. The variety of security attacks makes it compulsion to analyze the way newer attacks are formed and their understanding is important to prevent or detect such attacks. The ethical hacking covers the theory and practices of finding the vulnerabilities through forming the different attacks and then defining the appropriate security policy including the action to detect or prevent the attacks and thus reduce the damages.

Course Outcomes: On completion of this course, the students will be able to

- Describe and understand the basics of the ethical hacking
- Perform the foot printing and scanning
- Demonstrate the techniques for system hacking
- Characterize the malware and their attacks and detect and prevent them
- Detect and prevent the security attacks in different environments

UNIT I: Introduction to Hacking – Important Terminologies – Penetration Test – Vulnerability
Assessments versus Penetration Test – Pre-Engagement – Rules of Engagement – Penetration

UNIT II: The Technical Foundations of Hacking: The Attacker's Process, The Ethical Hacker's Process, Security and the Stack. Foot printing and scanning: Information Gathering, Determining the Network Range, Identifying Active Machines, Finding Open Ports and Access Points, OS Fingerprinting

UNIT III: Vulnerability Data Resources – Exploit Databases – Network Sniffing – Types of Sniffing -Promiscuous versus No promiscuous Mode – MITM Attacks – ARP Attacks Denial of Service Attacks -Hijacking Session with MITM Attack – SSL Strip: Stripping HTTPS Traffic.

UNIT IV: Malware Threats: Viruses and Worms, Trojans, Covert Communication, Keystroke Logging and Spyware, Malware Counter measures. Sniffers, Session Hijacking and Denial of Service

UNIT V: Wireless Hacking – Introducing Air crack- Cracking the WEP – Cracking a WPA/WPA2 Wireless Network Using Aircrack-ng – Evil Twin Attack – Causing Denial of Service on the Original AP – Web Hacking – Attacking the Authentication – Brute Force and Dictionary Attacks

NAME OF THE PROGRAM: Value added course on Ethical Hacking

DURATION OF THE PROGRAM: 07-08-2023 to 19-08-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
			7/8	8/8	9/8	10/8	11/8	14/8	16/8	17/8	18/8	19/8	
1	20NT1A0402	DEEPAK KUMAR SINGH	P	P	P	A	P	P	P	P	P	P	9
2	20NT1A0403	ENTUGUBI HEMALATHA	P	P	P	P	P	P	P	P	P	P	10
3	20NT1A0404	GADE JYAM SUNDER REDDY	P	P	P	P	P	P	P	P	P	P	10
4	20NT1A0405	GOTTVADA NIKHIL VAMSI	P	A	P	P	P	P	P	P	P	P	9
5	20NT1A0406	JAMPU AJAY KUMAR	P	P	A	P	P	P	P	P	P	P	10
6	20NT1A0408	KANDREGULA ROHITH KUMAR	P	P	P	P	P	P	P	P	P	P	10
7	20NT1A0410	NAGIRIKANTI AJAY	P	P	P	P	P	P	P	P	P	P	10
8	20NT1A0411	PILLA LIKHITHA SRI	P	P	P	P	P	P	P	P	P	P	10
9	20NT1A0414	VIRUTHU HASWANTH VIJAY SAI	P	P	P	P	A	P	P	P	P	P	9
10	21NTSA0403	AKULA SRAVANI	P	P	P	P	P	P	P	P	P	P	10
11	21NTSA0404	ALLU GANESH PRASANTH KUMAR	P	P	P	P	P	P	P	P	P	P	10
12	21NTSA0405	ALLU SANDEEPKUMAR	P	P	P	P	P	P	A	P	P	P	9
13	21NTSA0412	DHARMALA PRIYANKA	P	P	P	P	P	P	P	P	P	P	10
14	21NTSA0413	DUVVU DEVAMI SHANKAR	P	P	P	P	P	P	P	P	P	P	10
15	21NTSA0414	GANDEPALLI CHANDINI APARNA	P	P	P	P	P	A	P	P	P	P	9
16	21NTSA0415	GANDI SWATHI	P	P	P	P	P	P	P	P	P	P	10
17	21NTSA0416	GANGUPAMU LOKESH	P	P	P	P	P	P	P	P	P	P	10
18	21NTSA0417	GEDDAM GOWRI	P	P	A	P	P	P	P	P	P	P	9
19	21NTSA0418	JAVAPU SAIKUMAR	P	P	P	P	P	P	P	A	P	P	9
20	21NTSA0420	ESLAM PRASAD KUMAR	P	P	P	P	P	P	P	P	P	P	10
21	21NTSA0421	KANCHIPATI KUSUMA SRI	P	P	P	P	P	P	P	P	P	P	10
22	21NTSA0426	KORUPROLU MALINI	P	P	P	P	P	P	P	P	P	P	10
23	21NTSA0427	MALLA LIKHITH KUMAR	P	P	P	P	P	P	P	P	P	P	10
24	21NTSA0428	MARRI SASIREKHA	P	P	P	P	P	P	P	P	P	P	10

NAME OF THE PROGRAM: Value added course on Ethical Hacking

DURATION OF THE PROGRAM: 07-08-2023 to 19-08-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
			०७/८	०८/८	०९/८	१०/८	११/८	१४/८	१५/८	१६/८	१७/८	१९/८	
20	21NTSA0429	MANTHULA VENU GOPAL REDDY	P	P	P	P	P	P	A	P	P	P	9
26	21NTSA0430	MATRU NAGA HARIT	P	P	P	P	P	P	P	P	P	P	10
27	21NTSA0431	MULAGAPAKA TARUN	P	A	P	P	P	P	P	P	P	P	9
28	21NTSA0432	MUNAKALA GANESWARO	P	P	P	P	P	P	P	P	P	P	10
29	21NTSA0433	NUKALA VENKAYYA AARYA LAKSHMI VARA PRASAD	P	P	P	P	P	P	P	P	P	P	10
30	21NTSA0437	PEDDIREDDLA SRAVANI	P	A	P	P	P	P	P	P	P	P	9
31	21NTSA0438	PULAMARASETTY VANI	A	P	P	P	P	P	P	P	P	P	9
32	21NTSA0439	PYLA SUJATHA	P	P	P	P	P	A	P	P	P	P	9
33	21NTSA0443	SAMALA VENKULA	P	P	P	P	P	P	P	P	P	P	10
34	21NTSA0446	SUREDDY BALAKRISHNA	P	P	P	P	P	P	P	P	P	P	10
35	21NTSA0447	THATHOLU HARI SAI KUMAR	P	P	P	P	P	P	P	P	P	P	10
36	21NTSA0455	GOPI BABABU	P	P	P	P	A	P	P	P	P	P	9
		Total no. of students	36	36	36	36	36	36	36	36	36	36	
		No. of students present	35	33	34	35	35	34	34	35	36	36	
		No. of students absent	01	03	02	01	01	02	02	01	00	00	
		Signature of the staff											

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

NAME OF THE PROGRAM: Value added course on Ethical Hacking

DURATION OF THE PROGRAM: 07-08-2023 to 19-08-2023

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	20NT1A0402	DEEPAK KUMAR SINGH	IV Year	ECE	A+
2	20NT1A0403	DAVULURI HEMALATHA	IV Year	ECE	O
3	20NT1A0404	GADE SYAM SUDEER REDDY	IV Year	ECE	O
4	20NT1A0405	GOTIVADA NIKHIL VAMSI	IV Year	ECE	O
5	20NT1A0406	JAMPU AJAY KUMAR	IV Year	ECE	O
6	20NT1A0408	KARUREDDLA ROHITH KUMAR	IV Year	ECE	O
7	20NT1A0410	NAGIREDDY AJAY	IV Year	ECE	O
8	20NT1A0411	PILLA LIKHITHA SRI	IV Year	ECE	O
9	20NT1A0414	VIRUTHU HANWANTH VIJAY RAJ	IV Year	ECE	A+
10	21NT5A0402	AKULA SRAVANI	IV Year	ECE	O
11	21NT5A0404	ALLU GANESH PRASANTH KUMAR	IV Year	ECE	A+
12	21NT5A0405	ALLU SANDEEPHUMAR	IV Year	ECE	O
13	21NT5A0412	DHARMALA PRIYANKA	IV Year	ECE	O
14	21NT5A0413	DUVVU GOWRI SHANKAR	IV Year	ECE	O
15	21NT5A0414	GANDUPALLI CHANDINI ARADHNA	IV Year	ECE	O
16	21NT5A0415	GANDI SWATHI	IV Year	ECE	O
17	21NT5A0416	GANGUPARU LOKESH	IV Year	ECE	O
18	21NT5A0417	GEDDAM GOWRI	IV Year	ECE	O
19	21NT5A0419	JAVAPU SAIKUMAR	IV Year	ECE	O
20	21NT5A0420	KALAM PRASAD KUMAR	IV Year	ECE	A+
21	21NT5A0421	KANCHIPATI KUSUMA SRI	IV Year	ECE	O
22	21NT5A0426	KORUPROLU MALINI	IV Year	ECE	O
23	21NT5A0427	MALLA LIKHITH KUMAR	IV Year	ECE	O
24	21NT5A0428	MARRI SAIRUHIMA	IV Year	ECE	O

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
25	21NTSA0429	MARTHULA VENU GOPAL REDDY	IV Year	ECE	O
26	21NTSA0430	MATHU NAGA BABU	IV Year	ECE	O
27	21NTSA0431	MULAGAPAKA TARUN	IV Year	ECE	O
28	21NTSA0432	MUNAKALA GANESWARI	IV Year	ECE	O
29	21NTSA0433	NUEALA VENKAYYA SARVA LAKSHMI VARA PRASAD	IV Year	ECE	O
30	21NTSA0437	PEDIREDLA SRAVANI	IV Year	ECE	O
31	21NTSA0438	PULAMARASETTY VANI	IV Year	ECE	O
32	21NTSA0439	PYLA SUJATHA	IV Year	ECE	A+
33	21NTSA0442	SABIKA VENNILA	IV Year	ECE	O
34	21NTSA0446	SUHINETTY BALAKRISHNA	IV Year	ECE	O
35	21NTSA0447	THATHOLU HARI SAI KUMAR	IV Year	ECE	O
36	21NTSA0455	GOPI SAIBABU	IV Year	ECE	A+
No. of students getting more than A+					30
% of students getting more than A+					83%

MARKS	28-25	18-19	16-14	13-9	1-8
GRADE	O	A+	A	B+	B

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

Name of the Program: Value added course on Ethical Hacking

Duration: 07-08-2023 to 19-08-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	07-08-2023	Introduction to Hacking – Important Terminologies – Penetration Test – Vulnerability
2	08-08-2023	Assessments versus Penetration Test – Pre-Engagement – Rules of Engagement -Penetration
3	09-08-2023	The Technical Foundations of Hacking: The Attacker's Process, The Ethical Hacker's Process, Security and the Stack.
4	10-08-2023	Foot printing and scanning: Information Gathering, Determining the Network Range, Identifying Active Machines, Finding Open Ports and Access Points, OS Fingerprinting
5	11-08-2023	Vulnerability Data Resources – Exploit Databases – Network Sniffing. Types of Sniffing -Promiscuous versus No promiscuous Mode
6	14-08-2023	MITM Attacks – ARP Attacks Denial of Service Attacks -Hijacking Session with MITM Attack – SSL Strip: Stripping HTTPS Traffic
7	16-08-2023	Malware Threats, Viruses and Worms, Trojans, Covert Communication, Keystroke Logging and Spyware
8	17-08-2023	Malware Counter measures, Sniffers, Session Hijacking and Denial of Service:
9	18-08-2023	Wireless Hacking – Introducing Air crack- Cracking the WEP – Cracking a WPA/WPA2 Wireless Network Using Aircrack-ng – Evil Twin Attack
10	19-08-2023	Causing Denial of Service on the Original AP – Web Hacking – Attacking the Authentication – Brute Force and Dictionary Attacks

M. Hemanth Kumar
PROGRAM CO-ORDINATOR

HOD

Head of the Department
Department ECE
Visakha Institute of Engg. & Tech.

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Narava, Visakhapatnam-530 027

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
Affiliated to JNTUGV, VIZIANAGARAM

NAAC ISO VSPT

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: Ethical Hacking
Course duration	: 30 Hours
Year Offered	: IV Year Students
Course Coordinator	: Mr.M.Hemanth Kumar
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 36
Number of students Appeared	: 36
Number of students Passed	: 36

COURSE OUTCOMES

Students in the course obtain the following outcomes.

- Describe and understand the basics of the ethical hacking
- Perform the foot printing and scanning
- Demonstrate the techniques for system hacking
- Characterize the malware and their attacks and detect and prevent them
- Detect and prevent the security attacks in different environments

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 21-08-2023

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

M. Hemanth Kumar
PROGRAM CO-ORDINATOR

HOD

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Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC A-GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. A. SRAVANI *of* IV ECE *has participated in a* **Two-week Value-Added Course** *on* **"ETHICAL HACKING"**, *Organized by Department of Electronics and Communication Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India, during* **07th August 2023 to 19th August 2023**.

M. Hemanth Kumar

Program Coordinator

Mr. M.Hemanth Kumar

HOD

Mr. B. Jeevana Rao

Principal

Dr. V. Sridhar Patnaik

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Narava, Visakhapatnam-530 027.

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

A Two-Week Value-Added Course on "Ethical Hacking"

07-08-2023 to 19-08-2023

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication :

6. Contact No :
7. E-Mail Id :
8. Signature of the Participant(s) :

Date:

Station: Visakhapatnam

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Chief Patron : **Sri G.Satyanarayana**
Chairman

Patron : **Dr.V.Sridhar Patnaik**
Principal

Convener : **B.Jeevan Rao**
ECE HOD

Coordinator : **M. Hemanth Kumar**
Assistant Professor

Organizing Committee:

B. Jeevana Rao, Associate professor
M. Hemanth Kumar, Assistant Professor
M. Bhaskar Naidu, Assistant Professor
K. Sandhya, Assistant Professor

Advisory Committee:

Dr. Kannam Jahnavi, Associate Professor
U. Kalyani, Assistant Professor
L. Keerthi, Assistant Professor

Registration Details: Registration starts from 03-08-2023.

For further details, contact: M. Hemanth Kumar, Contact No. 7989486494

A Two-Week Value-Added Course on "Ethical Hacking"

07-08-2023 to 19-08-2023

Organized By

Department of Electronics and Communication Engineering
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)
88/3,Vision, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to the institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in serene and pollution free environment at Nidigya 6 km from Gopalapatnam and Air Port. The campus is spread over 10acres of scenic landscape which is an ideal place.

ABOUT THE DEPARTMENT:

The Department of Electronics and Communications Engineering (ECE) involves researching, designing, developing, and testing electronic equipment used in various systems. Electronics and Communications engineers also conceptualize and oversee the manufacturing of communications and broadcast systems. This stream of engineering deals with analog transmission, basic electronics, microprocessors, solid-state devices, digital and analog communication, analog integrated circuits, microwave engineering, satellite communication, antennas, and wave progression.

ABOUT TWO-WEEK VALUE-ADDED COURSE

This Two-week Value-Added Course on **"Ethical Hacking"** deals with basics of ethical hacking and different techniques related to ethical hacking. Students will be able to learn the core concepts of ethical hacking like different types of malware attacks and how to detect and prevent them. Understand concepts like foot-printing & Scanning. At the end of the course student will be able to gain knowledge on good hacking techniques that are useful for the society.

CONTENTS OF THE PROGRAM

1. Introduction to Ethical hacking- Important Terminologies
2. Assessments verses Penetration Test – Pre-Engagement.
3. The Technical Foundations of Hacking
4. Foot printing and scanning
5. Vulnerability Data Resources – Exploit Databases – Network Sniffing.
6. MITM Attacks.
7. Malware Threats Drive Accelerometer and Display the reading on Hyper Terminal
8. Malware Counter measures
   - Wireless Hacking – Introducing Air crack
   - Web Hacking

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Resource Persons:

1. Mrs. M. Usha
Assistant Professor
Dept.of Computer science & Engineering
Visakha Institute of Engineering and Technology

2. Mrs. M. Sowjanya
Assistant Professor
Dept.of Computer science & Engineering
Visakha Institute of Engineering and Technology

3. Mrs. K. Prasanna Latha
Assistant Professor
Dept.of Computer science & Engineering
Visakha Institute of Engineering and Technology

4. Mr. K. Vijay
Assistant Professor
Dept.of Computer science & Engineering
Visakha Institute of Engineering and Technology

VISAKHA — NAAC — ISO — VSPT

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSESSMENT SHEET

Year/Sem: IV / I
Course Type: SKILL ADVANCED COURSE
Course Name: ETHICAL HACKING
A.Y: 2023-2024
Branch: ECE
Duration: 30 Mins
Maximum Marks: 25 M
B.T.No.

2	1	N	1	5	A	0	4	1	5

Marks Obtained: 24

- ANSWER ALL THE QUESTIONS.
- EACH QUESTION CARRIES 1 MARK

S.NO	QUESTIONS	ANSWERS
1	Data integrity of data is compromised in course mail? a) It has not been tracked by b) It has been changed in some way c) It has been copied d) The legitimate user no longer has access to it	b
2	VPN stands for a) Very Private Network b) Virtual Private Network c) Virtual Private Security d) Virtual Public Network	c
3	Which one is the protocol suites it is used to enable the software suite such as protocol (TCP/IP) and allowing packets. What is this protocol? a) Security Job b) Network Socket Layer c) Connection d) Firewall	b
4	What is a hacker? a) someone who hacks others b) A person who does not know how to hack any computer c) A hacker is someone who discovers the weaknesses of a computer or computer networks d) a person who cannot a computer with no smartphone	c
5	How is phishing done? a) Impersonate real entities over time b) Delete files c) Affect the user, corrupting your information d) Steals hard disk data	a
6	How does a worm differ from virus? a) Through security loopholes, even computer is not up to date b) Targets only web links c) Job hunting studies d) Email attachments	a
7	Which of these characters is a correct hacker? a) Gray Hats b) Red Hats c) Black Hat Magic d) Gray Shirts	d
8	What does RAT stand for? a) Remote of Technologies b) Internet over Telephone c) Internet of Things d) Internet of Trees	c
9	What is the term for a computer system or host that is vulnerable to a) Danger b) Fault c) All of these d) Point of failure	b
10	Open Source Intelligence a) OSINT b) Data Cleaning c) IDS d) Static Value	a
11	A play on words between the letter which origin of ethical hacking? a) Sniffing b) Penetration Testing c) Cracking Attacks d) Reconnaissance	b
12	Hackers who engage in hacking for ethical purposes are known as which of the following? a) Black hat hacker b) Red hat hacker c) White hat hacker d) Blue hat hacker	a
13	What do a white hats usually do? a) Create Bug b) Not do what you are doing c) Steal your information d) Create malware to spam	a
14	Personal information a) TCP (Transport Protocol) b) OSINT (Open Source Intelligence) c) PII (Personally Identifiable Information) d) Port Scan	c
15	What is a cyber bullying? a) Hacker who works for security companies b) Hacker who performs illegal activities just to commit a crime c) Hacker who attacks Church after committing a crime d) Hacker employed to steal confidential secrets with good intentions	c
16	What is a Phishing example? a) A dummy exercise with networking models in a laboratory b) A planned security attempt organizations to evaluate their response to a cyber attack c) An unauthorized attack on a computer system d) A criminal cyber attack performed by a sender impersonates before attacking a large organization	b
17	What does the "W" command display? a) Presents list b) Removes machines c) Prevents the system d) Services list	a
18	What is the most appropriate definition of a hacker? a) Someone who accesses your home without your permission b) Someone who gains unauthorized access to an IT system, such as a Computer, website or email account c) All of above	b
19	Which of the following laws prevents unlawful and authorized interception of electronic communications? a) Regulation of Investigatory Act b) Regulation of Investigatory Powers Act c) Regulations of Investigatory Powers Act d) Regulating of Investigatory Act	c
20	What is a Virus by definition? a) Software that is downloaded from a site b) A user who clicks on a MAIL message or downloads a file c) Looking to an app software developed from a website d) Malicious code that replicates or copies itself to the computer when running software	d
21	MAC address spoofing is which type of attack a) Brute Force b) Encryption c) Social engineering d) Authentication	d
22	What does RIPA stand for? a) Regulation of Information Powers Act b) Regulation of Investigatory Protection Act c) Regulation of Investigation Powers Act d) Regulation of Investigatory Powers Act	d
23	With regards to ethical hacking in corporate policy (Charge, COPE) does what? a) It is only for employees in a country where an adequate level of protection is guaranteed b) It is not to be disclosed to any country which is no longer up to date this and access c) It is to be disclosed to any Corporate public society d) It may be stored in any country with a lacking protection	a
24	Which type of physical hack has access to the physical infrastructure? a) Remote network b) Physical network c) Internal systems d) Personal assets	d
25	What does COPE stand for? a) Control Data Protection Regulations b) Personal Databases Protection Regulations c) Optimal Data Protection Practices d) Good Cause Performance Rating	a

PRINCIPAL

FEEDBACK FORM

- For each of the following areas, please indicate your reaction

Name of the Student	Course Title	Date
G. Lokesh	Ethical Hacking	21/08/23

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.		✓		
3	The instructor presented course material in a clear manner that facilitated understanding	✓			
4	This class has increased my interest in this field of study	✓			
5	The readings were appropriate to the goals of the course.		✓		
6	I have put a great deal of effort into advancing my learning in this course	✓			
7	I would highly recommend this course to other students		✓		
8	The grading practices were fair.	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory

Any Other Suggestion.

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Head of the Department
Dept. of ECE
Visakha Institute of Engg. & Tech.

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Ref: VIET/ECE/CIR-10/2023-24

Date: 28.08.2023

CIRCULAR

This is to inform all the students of III year ECE, that a two week certificate program on "**BASICS OF ARDUINO**" will be conducted on 02-09-2023 to 16-09-2023 to enhance your skills, all the students are here by informed to register in their respective programs on 29-09-2023 onwards without fail.

Principal
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Narava, Visakhapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME/ AME	ECE	CSE	BS&H	MBA

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Date: 18-09-2023

PROGRAM REPORT

NAME OF THE EVENT	: A Two week Certificate program on **"BASICS OF ARDUINO".**
DATES	: 02-09-2023 to 16-09-2023
RESOURCE PERSON	: Mr. B.Jeevana Rao Assistant Professor Mr.M.Hemanth Kumar Assistant Professor Visakha Institute of Engineering & Technology Visakhapatnam
CONTACT NUMBER	: +91 7989986404
EMAIL ID	: ecehod@vietvsp.com
NAME OF THE COORDINATOR	: Dr. Kumar Juluri
NUMBER OF STUDENTS ATTENDED	: 59
VENUE	: Room no:304
OBJECTIVE OF THE PROGRAM	: The Students will be able to • Familiarize with the Arduino UNO board • Learn the basics of Arduino programing environment • Analyse different sensor modules & their interfacing with Arduino

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- Analyse different techniques to adopt Arduino to the problem solving methods.

TOPICS COVERED :

1. Introduction to Arduino Board
2. Introduction to Arduino IDE(Software tool)
3. Electronic components & connections
4. Simple LED blink and buzzer program
5. Arduino with Tri color LED & push button
6. Obstacle detection using IR sensor module
7. Smart bulb application using LDR
8. Distance measurement using ULTRA SONIC sensor
9. SMOKE or GAS detection using Arduino
10. Display counter using Arduino
11. Seven segment display
12. Pulse width modulation

PROGRAM COORDINATOR

HOD

Head of the Department
Department ECE
Visakha Institute of Engg. & Tech.

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Name of the Program: Two week certificate program on "Basics of Arduino"

Date: 02-09-2023 to 16-09-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	02-09-2023	Introduction to Arduino Board
2	04-09-2023	Introduction to Arduino IDE(Software tool)
3	05-09-2023	Electronic components & connections
4	07-09-2023	Simple LED blink and buzzer program
5	08-09-2023	Arduino with Tri color LED & push button
6	09-09-2023	Obstacle detection using IR sensor module
7	11-09-2023	Smart bulb application using LDR
8	12-09-2023	Distance measurement using ULTRA SONIC sensor
9	13-09-2023	SMOKE or GAS detection using Arduino
10	14-09-2023	Display counter using Arduino
11	15-09-2023	Seven segment display
12	16-09-2023	Pulse width modulation

PROGRAM CO-ORDINATOR

HOD
Head of the Department
Department ECE
Visakha Institute of Engg. & Tech.

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COLLEGE CODE: VSPT

NAME OF THE PROGRAM: Two week certificate programming on "Basics of Arduino".

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

S.NO	REGD NO	NAME OF THE STUDENT	DAY-WISE ATTENDANCE											TOTAL
			1	2	3	4	5	6	7	8	9	10	11	
1	21NT1A0403	AMALAKANTI HEMA LATHA	P	P	P	P	P	P	A	P	P	P	P	11
2	21NT1A0404	ANNAPAGU BADRESH REDDY	P	P	P	P	P	P	P	P	A	P	P	11
3	21NT1A0405	BANDARU HEMA VARDHINI	P	P	P	P	A	P	A	P	P	P	P	10
4	21NT1A0407	BILAKANTI JYOTHI SWAROOP	P	P	P	P	P	P	P	A	A	P	P	10
5	21NT1A0410	CHINNAM VAISHNAVI	P	P	P	P	P	P	P	P	P	P	P	12
6	21NT1A0411	CHANDAGIR BHAVANTHI	P	P	P	P	P	P	P	P	A	P	P	11
7	21NT1A0412	CHINTALURU SAIPRAHMANI	P	P	P	P	A	P	P	P	A	P	A	9
8	21NT1A0413	DADI SAKTHY REDDY	P	P	P	P	P	P	P	P	P	P	P	12
9	21NT1A0414	DARMAPATI SAVITA NEHA SAI VARSHINI	P	P	P	P	A	P	P	P	A	P	P	10
10	21NT1A0415	DOKKE BHARGAVI	P	P	P	P	P	A	P	A	P	P	A	9
11	21NT1A0420	GOPIDESI SAIRI DIVYA	P	P	P	P	P	P	A	P	P	P	P	11
12	21NT1A0421	GUMMADA SAKSHI	P	P	P	P	P	P	P	P	P	A	A	10
13	21NT1A0422	GUNAMALA NAVEEN	P	P	P	P	P	P	P	P	A	P	P	11
14	21NT1A0423	JAMALI PRADEEP KUMAR	P	P	P	P	P	P	A	P	P	A	P	10
15	21NT1A0424	THUMMAPALLE VENKATA LALITHA BHARATHI	P	P	P	P	P	P	P	P	P	P	P	12
16	21NT1A0425	JALLU HEMALATHA	P	P	P	P	P	A	P	A	P	A	P	9
17	21NT1A0426	KAKA YAMUNA	P	P	P	P	P	A	P	P	A	P	P	10
18	21NT1A0431	KARRI SULTAN KUMAR	P	P	P	P	P	A	P	P	P	P	P	11
19	21NT1A0432	KATARI NEELA	P	P	P	P	P	P	P	P	P	P	P	12
20	21NT1A0434	MOPPA GEETANJALI	P	P	A	P	P	P	A	P	P	P	P	10
21	22NT1A0433	PETLA SIRISHA	P	P	P	P	P	P	P	A	P	P	P	11
22	22NT1A0434	POTHURAJU DURGA	P	P	P	P	P	P	P	P	P	P	P	12

NAME OF THE PROGRAM: Two week certificate programming on "Basics of Arduino"

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

DAY WISE SHEET

S.NO	REGD.NO	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
23	22MT5A0442	BUTHUKURI ALEKYA	P	P	P	P	A	P	P	P	P	P	P	P	11
24	22MT5A0443	MURMITTY JYOSHNA	P	P	P	P	P	P	P	P	P	P	P	P	12
25	22MT5A0447	SHAIK KARIMULLA SHARIFF	P	P	P	P	P	P	P	P	P	P	P	P	12
26	22MT5A0448	VADDITHI HARSHAVARDHAN	P	P	P	P	P	P	P	P	P	P	A	P	11
27	22MT5A0450	VELUMU VARA LAKSHMI	P	P	P	P	A	A	P	A	P	P	A	P	8
28	22MT5A0451	VUYYURU [illegible]	P	P	P	P	P	P	A	P	P	P	A	A	9
29	22MT5A0452	YALAMANCHILI RAVI K	P	P	P	P	P	P	P	P	P	P	P	P	12
30	23MT5A0401	TALLA SIVA	P	P	P	P	P	P	P	P	P	P	P	P	12
31	23MT5A0404	TAJJAPU SAVARYA	P	P	A	P	P	P	A	P	P	P	P	P	10
32	23MT5A0406	BIRRALLAPU RAMJAN	P	P	P	P	A	P	P	P	P	P	P	P	11
33	22MT5A0407	KAKIRI RATEESH	P	P	P	P	P	P	P	P	P	P	P	P	12
34	23MT1A0404	GOPADA SHIVANI	P	P	P	P	P	P	P	P	P	P	P	P	12
35	21MT1A0409	MATCHA MOUNIKA	P	P	P	P	A	P	P	A	P	P	P	P	10
36	21MT1A0446	MEDAPUREDDY MOUNIKA	P	P	P	P	P	A	P	P	P	A	P	P	10
37	21MT1A0448	PINNU JYOTHI	P	P	P	P	P	P	P	P	P	P	P	P	12
38	21MT1A0447	POLAMARASETTY MANIDEEP	P	P	P	P	P	P	P	P	P	P	P	P	12
39	21MT1A0456	RAMISHA MADHU	P	P	P	P	A	P	P	A	P	A	P	P	9
40	21MT1A0461	RIZWA RIYAZUDDIN	P	P	P	P	P	P	P	P	P	P	P	P	12
41	21MT1A0463	SIRIGIRIDDI BHAVYA SRI	P	P	P	P	P	P	A	P	P	P	P	P	11
42	21MT1A0464	SIDDI [illegible]VARA	P	P	P	P	P	P	P	P	P	P	P	P	12

NAME OF THE PROGRAM: Two week certificate programming on "Basics of Arduino".

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

ATTENDANCE SHEET

S.NO	REGD NO	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL
43	21BT1A0457	VINUTHI RAI GANDARIARA	P	P	P	P	P	P	P	P	P	P	A	P	11
44	21BT1A0459	BODDUPALLI THARUN	P	P	P	P	P	P	P	P	P	P	P	P	12
45	21BT1A0461	KORISAM UMA	P	P	P	P	P	P	P	P	A	P	P	P	11
46	21BT1A0463	PALLA RAJESWARI	P	P	P	P	P	P	P	P	P	P	P	A	11
47	21BT1A0464	SAMOJU THIRUPALAIAH	P	P	P	P	P	P	P	P	P	P	P	A	11
48	21BT1A0465	CHIRUGUDDULU LEELAVATHI	P	P	P	P	P	P	A	P	A	P	P	P	10
49	21BT1A0466	BANDARU RAGA PAVANI	P	P	P	A	P	P	P	A	P	P	P	P	9
50	21BT1A0470	GORLI RAMA [illegible]	P	P	P	P	A	P	P	P	P	P	P	A	10
51	21BT1A0471	KANCHERLA [illegible]	P	P	P	P	P	P	P	P	P	P	P	P	12
52	21BT1A0472	KANCHERLA [illegible]	P	P	P	P	P	P	P	P	P	P	P	P	12
53	21BT1A0473	KILLADA MADHAVA RAO	P	P	P	P	P	A	P	A	P	P	P	P	10
54	21BT1A0474	MEDAPUREDDY [illegible]	P	P	P	P	P	P	P	P	P	P	P	P	12
55	21BT1A0475	MAYYAVEETTI PAVAN	P	P	P	P	P	P	P	P	A	P	P	P	11
56	21BT1A0479	PALLA SARVAR RAO	P	P	P	A	P	P	P	P	A	P	A	P	9
57	21BT1A0480	PETHANA KALYANI	P	P	P	P	P	P	P	P	P	P	P	P	12
58	21BT1A0481	PENUGONDA JYOTHIRMAI	P	P	P	P	P	P	P	P	P	P	P	P	12
59	21BT1A0482	PERUMALLU SANJIVA REDDY	P	P	P	P	P	P	A	P	P	P	P	P	11

PROGRAM CO-ORDINATOR

HOD
Head of the Department
Department ECE
Visakha Institute of Engg. & Tech.

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV VIZIANAGARAM)

NAME OF THE PROGRAM: Two week certificate program on "Basics of Arduino".

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	21BTA0403	AMIGANATI UDAY SIVA	III Year	ECE	
2	21BTA0404	ANKEMPALLI SANDEEP REDDY	III Year	ECE	
3	21BTA0405	DANDABU VENKA VAMSHI	III Year	ECE	
4	21BTA0407	BILLAKURTHI JYOTHI SWAROOP	III Year	ECE	
5	21BTA0410	CHADARAM VASISHTHA	III Year	ECE	
6	21BTA0411	CHANDANA BHAVADEEP	III Year	ECE	
7	21BTA0412	CHINTALURI SANTOSHIMANI	III Year	ECE	
8	21BTA0413	DADI RANJEET KUMAR	III Year	ECE	
9	21BTA0414	DADIREDDY SAVITA SIVA NAG VARDHAN	III Year	ECE	
10	21BTA0415	DURGI SRIKRISHNA	III Year	ECE	
11	21BTA0420	GOPAGANI SAHI PRIYA	III Year	ECE	
12	21BTA0421	GUMMALLA GANESH	III Year	ECE	
13	21BTA0422	GUMMALLA MANIDEEP	III Year	ECE	
14	21BTA0423	HINDU PRADEEP KUMAR	III Year	ECE	
15	21BTA0424	JEEDIMPALLI VENKATA SAIDIVYA BHARATH	III Year	ECE	
16	21BTA0426	JAKKU HIMACHAL	III Year	ECE	
17	21BTA0428	KALLA TARUN	III Year	ECE	
18	21BTA0431	KAMMI KALYAN KUMAR	III Year	ECE	
19	21BTA0432	KATARI NIKILA	III Year	ECE	

NAME OF THE PROGRAM: Two week certificate program on "Basics of Arduino".

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

S.No	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
20	21NT1A0439	BOMPU LEELAVATHI	III Year	ECE	M Leelavathi
21	22NT5A0433	PEELA MANI	III Year	ECE	P.Mani
22	22NT5A0434	PUTTHURAJU HARIKA	III Year	ECE	P. Harika
23	22NT5A0442	BONGARU ALEKHA	III Year	ECE	B. Alekha
24	22NT5AC441	SUBHASETTY JYOSHNA	III Year	ECE	S.Jyoshna
25	22NT5A0447	UMAR KARIMULLA SHARIFF	III Year	ECE	U. Karimulla
26	22NT5A0448	VADIREDDI HARSHAVARDHAN	III Year	ECE	V. Harsha Vardhan
27	22NT5A0450	VELLAMU VARA LAKSHMI	III Year	ECE	V Varalakshmi
28	22NT5A0401	YYYAPU [illegible]	III Year	ECE	[illegible]
29	22NT5A0422	YALAMANCHILI SAVYA	III Year	ECE	Y. Savya
30	22NT5A0403	YALLA JEVA	III Year	ECE	Y. Siva
31	22NT5A0424	YALLAPU LAVANYA	III Year	ECE	Y. Lavanya
32	22NT5A0406	[illegible] HARIKA	III Year	ECE	S. Harika
33	22NT5A0427	KAKKI SATEESH	III Year	ECE	K. Satish
34	21NT1A0420	KORADA BHAVANI	III Year	ECE	K. Bhavani
35	21NT1A0434	MADHI MOUNIKA	III Year	ECE	M. Mounika
36	21NT1A0440	MEDAMBEDDY MAHESH	III Year	ECE	M. Mahesh
37	21NT1A0446	PARU JYOTHI	III Year	ECE	P. Jyothi
38	21NT1A0447	PERAMARISETTY GANESH	III Year	ECE	P. Ganesh

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV VIZIANAGARAM)

NAME OF THE PROGRAM: Two week certificate program on "Basics of Arduino".

DURATION OF THE PROGRAM: 02-09-2023 to 16-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
39	21971A0439	SAMEERA MADHU	III Year	ECE	S. madhu
40	21971A0457	SEENA SIVAPRASAD	III Year	ECE	S Sivaprasad
41	21971A0433	SIRIGINEEDI BHAVYA SRI	III Year	ECE	S. Bhavya
42	21971A0454	SEERU BHAVANA	III Year	ECE	S Bhavana
43	21971A0457	YERUTHI SAI GANGADHARA	III Year	ECE	Y. Sai Gangadhara
44	21971A0455	BORRAPALLI THANUJA	III Year	ECE	B Thanuja
45	21971A0461	KONDAMADI UMA	III Year	ECE	K. Uma
46	21971A0458	PALLA SAI BALAJI	III Year	ECE	P. Sai Balaji
47	21971A0464	RAMUDU THIRUPULACHARI	III Year	ECE	S.T Acharji
48	21971A0446	GUNTUPALLI LEELA JAYATHI	III Year	ECE	G. Leelajayathi
49	22N7S0409	BANDARU NAGA HANUMA	III Year	ECE	B. Naga Hanuman
50	22N7S0438	GORLI RAMA DURGA	III Year	ECE	G. Durga
51	22N7A0410	KANCHARLA LOKESH	III Year	ECE	K. Lokesh
52	22N7S0418	KANDREGULA NEELIMA	III Year	ECE	K. Neelima
53	22N7S0420	KELADA MADHAVA RAO	III Year	ECE	K. madhavarao
54	22N7S0424	MEDAPOREDDY DURGA LAKSHMI	III Year	ECE	M. Durgalakshmi
55	22N7A0429	MUPPIDISETTI HEMANTH	III Year	ECE	M. Pavan
56	22N7S0429	PALLA SANKAR RAO	III Year	ECE	P. Sankar Rao
57	22N7A0430	PATNANA KALYANI	III Year	ECE	P Kalyani
58	22N7A0431	PENTAKOTA JYOTHSNAVI	III Year	ECE	P. Jyothsna
59	22N7A0432	PERUMALLU SRAVANI PRIYA	III Year	ECE	P Sravanipriya

PROGRAM CO-ORDINATOR

HOD
Head of the Department
Department ECE
Visakha Institute of Engg. & Tech.

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

Visakha Institute of Engineering & Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students.The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10acres of scenic landscapewhich is an ideal place.

ABOUT THE DEPARTMENT

The Department of Electronics and Communications Engineering (ECE) involves researching, designing, developing, and testing electronic equipment used in various systems. Electronics and Communications engineers also conceptualize and oversee the manufacturing of communications and broadcast systems. This stream of engineering deals with analog transmission, basic electronics, microprocessors, solid-state devices, digital and analog communication, analog integrated circuits, microwave engineering, satellite communication, antennas, and wave propagation.

ABOUT TWO WEEK CERTIFICATE PROGRAM

This Two week Certificate program **"BASICS OF ARDUINO"** program deals with today technology is developing with rapidly increasing human needs. So this program helps to students to develop their knowledge and ideology about the Arduino based programming Techniques by using Arduino board and Arduino Programming. In this Program students will do Hands on Experience with Arduino kits and will know about Arduino programming Language with different sensor modules.

CONTENTS OF THE PROGRAM

1. Introduction to Arduino Board
2. Introduction to Arduino IDE(Software tool)
3. Electronic components & connections
4. Simple LED blink and buzzer program
5. Arduino with Tri color LED & push button
6. Obstacle detection using IR sensor module
7. Smart bulb application using LDR
8. Distance measurement using ULTRA SONIC sensor
9. SMOKE or GAS detection using Arduino
10. Display counter using Arduino
11. Seven segment display
12. Pulse width modulation

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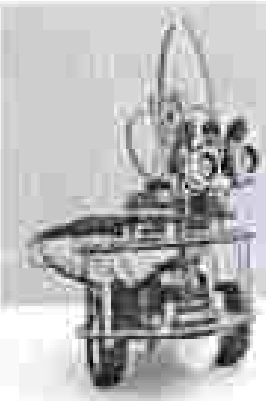
VISAKHAPATNAM-530 027.



Resource Person:

B.Jeevan Rao
Assistant Professor
M.Hemanth kumar
Assistant Professor
Visakha Institute of Engineering & Technology
Visakhapatnam

Organizing Committee:

B. Jeevan Rao, Associate professor
Dr.Kumar Juhan , Associate professor
M. Hemanth Kumar, Assistant Professor
D.Kalyan, Assistant Professor
M. Bhaskar Naidu, Assistant Professor
M. Keerthi, Assistant Professor
CH. Krishna Chaitanya, Assistant Professor
K. Sandhya, Assistant Professor
M.Pushpa, Assistant Professor

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

A Two Week Certificate Program on "Basics of Arduino"

02-09-2023 to 16-09-2023

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication :

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s) :

Date:

Station: Visakhapatnam

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

Chief Patron : **Sri G.Satyanarayana**
Chairman

Patron : **Dr.V.Sridhar Patnaik**
Principal

Convener : **B.Jeevan Rao**
ECE HOD

Coordinator : **Dr.Kausar Jahan**
Associate Professor

Advisory Committee:

Dr.Kausar Jahan , Associate professor
U.Kalyani, Assistant Professor
M. Bhaskar Naidu, Assistant Professor
M. Keerthi, Assistant Professor
CH. Krishna Chaitanya, Assistant Professor
K. Smithya, Assistant Professor
M.Pushpa, Assistant Professor

Registration Details: Registration starts from 29-09-2023.

For further details, contact: Dr. Kausar Jahan, 9704164665

A Two Week Certificate Program on "Basics of Arduino"

02-09-2023 to 16-09-2023

Organized By

Department of Electronics and Communication Engineering
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)
Es*Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027
DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

NAAC
'A' GRADE

ISO
9001:2015

COLLEGE CODE
VSPT

Certificate of Participation

This is to certify that Mr./Ms./Mrs. I. PRADEEP KUMAR *of* III ECE *has participated in A* ***Two Week Certificate program on "Basics of Arduino"*** *organized by Department of ECE, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P.State, India, from 2nd September 2023 to 16th September 2023.*

Program Coordinator
Dr.Kausar Jahan

HOD
B.Jeevan Rao

Principal
Dr.V.Sridhar Patnaik

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAAC

ISO

COLLEGE CODE
VSPT

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY


GPS Map Camera

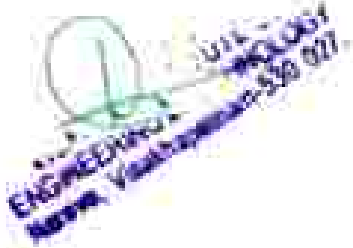

GPS Map Camera


GPS Map Camera


GPS Map Camera


GPS Map Camera


GPS Map Camera



CIRCULAR

Date: 24-08-2023

The Department of Computer Science and Engineering has planned to conduct Value Added Course from 28-08-2023 to 11-09-2023for IV CSE students on "Cloud Computing". The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online & Offline)
Note: Value Added Course is available in the Curriculum. It is an elective which is not taken by the department.

Course Coordinator
Mr.K.Vijay

Principal

VISA... OF ENGINEERING & TECHNOL...
Vishakapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME	ECE	CSE	BS&H	MBA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board _Class Room
- IQAC

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: Cloud Computing
Course duration	: 30 Hours
Year Offered	: IV Year Students
Course Coordinator	: Mr.K.Vijay
Curriculum Relevance	: available in Curriculum
Number of students enrolled	: 80
Number of students Appeared	: 80
Number of students Passed	: 80

COURSE OUTCOMES

Students in the course obtain the following outcomes.

- To explain the evolving computer model caned cloud computing.
- To introduce the various levels of services that can be achieved by cloud.
- To describe the security aspects in cloud.
- To motivate students to do programming and experiment with the various cloud computing environments.

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 12-09-2023

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

PROGRAM CO-ORDINATOR

HOD

REQUISITION LETTER

Date: 21-08-2023

From
Mrs. A.S.C Tejaswini Kone
Head of the department
Department of Computer Science and Engineering
Visakha Institute of Engineering & Technology
Naravа

To
The Principal
Visakha Institute of Engineering & Technology
Naravа

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Computer Science and Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
Cloud Computing	28-08-2023 to 11-09-2023	30 Hrs.	yes

Thanking You,

Forwarded to Principal Sir

Yours faithfully,

A.S.C Tejaswini Kone

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Naravа, Visakhapatnam-539 027

CLOUD COMPUTING - SYLLABUS

Course Objectives:

To explain the evolving computer model called cloud computing.

- To introduce the various levels of services that can be achieved by cloud.
- To describe the security aspects in cloud.
- To motivate students to do programming and experiment with the various cloud
- Computing environments.

Course Outcomes: On completion of this course, the students will be able to

- Illustrate the key dimensions of the challenge of Cloud Computing
- Classify the Levels of Virtualization and mechanism of tools.
- Analyze Cloud infrastructure including Google Cloud and Amazon Cloud.
- Create Combinatorial Auctions for cloud resources and design scheduling algorithms for computing cloud.
- Assess control storage systems and cloud security, the risks involved its impact and develop cloud application.

UNIT I: Systems Modeling, Clustering and Virtualization: Scalable Computing over the Internet, Scalable computing over the Internet, System models for Distributed and Cloud Computing, , Performance.

UNIT II: Virtual Machines and Virtualization of Clusters and Data Centers: Implementation Levels of Virtualization, Virtualization Structures/ Tools and Mechanisms, Virtualization of CPU, Memory and I/O Devices, Virtual Clusters and Resource Management, Virtualization for Data-Center Automation.

UNIT III: Cloud Platform Architecture: Cloud Computing and Service Models, Public Cloud Platforms, Service Oriented Architecture, Programming on Amazon AWS and Microsoft Azure.

UNIT IV: Cloud Resource Management and Scheduling: Policies and Mechanisms for Resource Management, Applications of Control Theory to Task Scheduling on a Cloud, Stability of a Two Level Resource Allocation Architecture, Autonomic Performance Managers, Scheduling Algorithms for Computing.

UNIT V: Storage Systems: Evolution of storage technology, storage models, file systems and database, distributed file systems, general parallel file systems, Google file system.

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1.	21NT1A0501	AMARA GOPI	IV Year	CSE	
2.	21NT1A0503	ANNEPU DILEEP	IV Year	CSE	
3	21NT1A0505	BANDARU TULASI KISHOR	IV Year	CSE	
4.	21NT1A0506	BATCHALA TEJASWANI	IV Year	CSE	
5	21NT1A0508	BODDAPU MYDHILI	IV Year	CSE	
6.	21NT1A0509	BODDEPALLI UDAY SHANKAR NAGESHWAR RAO	IV Year	CSE	
7	21NT1A0510	BODDU JAGADEESH	IV Year	CSE	
8.	21NT1A0511	BOOSA HARSHINIREDDY	IV Year	CSE	
9.	21NT1A0513	CHALLA ASHOK KUMAR	IV Year	CSE	
10.	21NT1A0514	CHALLA UDAY KIRAN	IV Year	CSE	
11.	21NT1A0516	DOPPA GOWTHAMI	IV Year	CSE	
12.	21NT1A0518	GANDIBOYINA HEMALATHA	IV Year	CSE	
13.	21NT1A0521	GEDDAMURI HARI TEJA	IV Year	CSE	
14.	21NT1A0525	GUNURU MOUNIKA	IV Year	CSE	
15.	21NT1A0530	JANAPAREDDY LEENA LAHARI	IV Year	CSE	
16.	21NT1A0531	JERRIPOTHULA SAI KUMAR	IV Year	CSE	
17.	21NT1A0533	KAKILETI SRI LAKSHMANA AVINASH	IV Year	CSE	
18.	21NT1A0534	KANDI MANIKANTA	IV Year	CSE	
19.	21NT1A0535	KANDI TEJESWARI	IV Year	CSE	
20.	21NT1A0536	KANTIMAHANTI VENKATA SAI	IV Year	CSE	

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
21.	21NT1A0537	KARANAM NEELIMA	IV Year	CSE	
22.	21NT1A0538	KARU SAI SWETHA	IV Year	CSE	
23.	21NT1A0542	KONA ANITHA	IV Year	CSE	
24.	21NT1A0544	KOTCHARLA RENUKA	IV Year	CSE	
25.	21NT1A0545	KUCHIPUDI VAMSI	IV Year	CSE	
26.	21NT1A0549	MEESALA YUGANDHAR NAIDU	IV Year	CSE	
27.	21NT1A0551	METTA PRAVEEN BHATLU	IV Year	CSE	
28.	21NT1A0552	MUKKALA VASANT	IV Year	CSE	
29.	21NT1A0553	NEELAM VIMALA	IV Year	CSE	
30.	21NT1A0554	NEMALIPURI SUMA SRI	IV Year	CSE	
31.	21NT1A0555	NIKKALA GANESH	IV Year	CSE	
32.	21NT1A0558	PALLANTLA HEMANIITHA	IV Year	CSE	
33.	21NT1A0561	PATNALA LAKSHMIKANTH YASWANTH	IV Year	CSE	
34.	21NT1A0564	PYLA APPALA ROHAN SAI KIRAN	IV Year	CSE	
35.	21NT1A0565	ROUTHU TRISHANYA	IV Year	CSE	
36.	21NT1A0567	SEERAMDAS MEGHANA	IV Year	CSE	
37.	21NT1A0569	SUMATHI POGIRI	IV Year	CSE	
38.	21NT1A0571	TADEPALLI PRANEETH	IV Year	CSE	
39.	21NT1A0572	TADIVADA DEEPTHI	IV Year	CSE	
40.	21NT1A0573	TAMINI JERUSHA RANI	IV Year	CSE	
41.	21NT1A0574	THIVANANA BALA BHARATHI	IV Year	CSE	
42.	21NT1A0575	TUMMALAPUDI SRUTHI KEERTHANA	IV Year	CSE	

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
43.	21NT1A0577	UGGINA KISHORE	IV Year	CSE	
44.	21NT1A0578	VADDI KEERTHIKA	IV Year	CSE	
45.	21NT1A0580	VANKA DONI	IV Year	CSE	V. Doni
46.	21NT1A0585	ANDUGULU JASMINE	IV Year	CSE	
47.	21NT1A0589	GANARANJAN NAYAK	IV Year	CSE	
48.	21NT1A0590	GOLLA APARNA GANGA KAVYA	IV Year	CSE	
49.	21NT1A0595	KILLI CHANTI	IV Year	CSE	
50.	21NT1A05A0	LANKADA SATYA VENKATA CHAITANYA	IV Year	CSE	
51.	21NT1A05A5	PAKALAPATI VATHIN VAIOMA	IV Year	CSE	
52.	21NT1A05A6	PEETHA BHARANI	IV Year	CSE	
53.	21NT1A05A7	PENUMATSA KARTHEEYA VARMA	IV Year	CSE	
54.	21NT1A05A8	PUSARLA SACHIT	IV Year	CSE	
55.	21NT1A05A9	R SAMEER	IV Year	CSE	
56.	21NT1A05B3	SAPPATI KOUSHIK	IV Year	CSE	
57.	21NT1A05B8	YELLAPU HARSHA VARDHAN	IV Year	CSE	
58.	21NT1A05C2	KARRI RAJIV	IV Year	CSE	
59.	22NT5A0502	ALAVALAPATI SRIRAM	IV Year	CSE	
60.	22NT5A0504	BANTU REVANTH	IV Year	CSE	
61.	22NT5A0508	CHANDAKA SAI GEETHIKA	IV Year	CSE	
62.	22NT5A0510	CHINTHAGUNTA VASU	IV Year	CSE	

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DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
53.	22NT5A0516	KOLLI BHANOJI RAO	IV Year	CSE	
54.	22NT5A0518	KORIBILLI BHARGAV	IV Year	CSE	
55.	22NT5A0521	KOYILADA UMASHANKAR	IV Year	CSE	
56.	22NT5A0522	MADDU N S S DURGA PRASAD	IV Year	CSE	
57.	22NT5A0524	MUMMADI DURGA	IV Year	CSE	
58.	22NT5A0525	MUVVALA VAMSI	IV Year	CSE	
59.	22NT5A0527	PASUMARTHY RAVI TEJA	IV Year	CSE	
70.	22NT5A0529	PENTAKOTA TARUN KUMAR	IV Year	CSE	
71.	22NT5A0530	PERARAPU SUHASA	IV Year	CSE	
72.	22NT5A0535	SARIPILLI MANIKANTA	IV Year	CSE	
73.	22NT5A0537	YAMALAPALLI KIRANMAI	IV Year	CSE	
74.	22NT5A0538	DEEKSHA PATNAIK	IV Year	CSE	
75.	22NT5A0539	ERINI ANITH	IV Year	CSE	
76.	22NT5A0540	KORIBILLI SUDHEER	IV Year	CSE	
77.	22NT5A0542	POGIMEKA CHARAN	IV Year	CSE	
78.	22NT5A0543	SAMOJU PAVAN KALYAN	IV Year	CSE	
79.	22NT5A0544	TUMMALA JAYASREE	IV Year	CSE	
80.	22NT5A0546	DOKKARI KOTESWAR RAO	IV Year	CSE	

PROGRAM CO-ORDINATOR

HOD

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
1	21NT1A0501	AMARA GOPI	P	P	P	P	P	P	P	P	P	P	10
2	21NT1A0503	ANNEPU DILEEP	P	P	P	P	P	P	P	P	P	P	10
3	21NT1A0505	BANDARU TULASI KISHORE	P	P	P	P	P	P	P	P	P	P	10
4	21NT1A0506	BATCHALA TEJASWANI	P	P	P	P	P	P	P	P	P	P	10
5	21NT1A0508	BODDAPU MYDHILI	P	P	P	P	P	P	P	P	P	P	10
6	21NT1A0509	BODDEPALLI UDAY SHANKAR NAGESHWAR RAO	P	P	P	P	P	P	P	P	P	P	10
7	21NT1A0510	BOODU JAGADEESH	P	P	P	P	P	P	P	P	P	P	10
8	21NT1A0511	BODSA HARSHINIREDDY	P	P	A	P	P	P	P	P	P	P	9
9	21NT1A0513	CHALLA ASHOK KUMAR	P	P	P	P	P	P	P	P	A	P	9
10	21NT1A0514	CHALLA UDAY KIRAN	P	P	P	P	A	P	P	P	P	P	9
11	21NT1A0516	DOPPA GOWTHAMI	P	P	P	P	P	P	P	P	P	P	10
12	21NT1A0518	GANDIBOYINA HEMALATHA	P	P	P	P	P	P	P	A	P	P	9
13	21NT1A0521	GEDDAMURI HARI TEJA	P	P	P	P	P	P	P	P	P	P	10
14	21NT1A0525	GUNURU MOUNIKA	P	P	P	P	P	P	A	P	P	P	9
15	21NT1A0530	JANAPAREDDY LEENA LAHARI	P	P	P	P	P	P	P	P	P	P	10
16	21NT1A0531	JERRIPOTHULA SAI KUMAR	P	P	P	P	P	P	P	P	P	P	10
17	21NT1A0533	KAKILETI SRI LAKSHMANA AVINASH	P	P	P	P	P	P	P	P	P	P	10
18	21NT1A0534	KANDI MANIKANTA	P	P	P	P	P	P	P	P	P	P	10
19	21NT1A0535	KANDI TEJESWARI	P	P	P	P	P	P	P	P	P	P	10
20	21NT1A0536	KANTIMAHANTI VENKATA SAI	P	P	P	P	P	P	P	P	P	P	10
21	21NT1A0537	KARANAM NEELIMA	P	P	P	P	P	P	P	P	P	P	10
22	21NT1A0538	KARRI SAI SWETHA	P	P	P	P	P	P	P	P	P	P	10
23	21NT1A0542	KONA ANITHA	P	P	P	P	P	P	P	P	P	P	10
24	21NT1A0544	KOTCHABLA RENUKA	P	P	P	P	P	P	P	P	P	P	10

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
25	21NT1A0545	KUCHIPUDI VAMSI	P	P	P	P	P	P	P	P	P	A	9
26	21NT1A0549	MEESALA YUGANDHAR NAIDU	P	P	P	P	P	P	P	P	P	P	10
27	21NT1A0551	METTA PRAVEEN BHATLU	P	P	P	A	P	P	P	P	P	P	9
28	21NT1A0552	MUNAKALA VASANT	P	P	P	P	P	P	P	P	P	P	10
29	21NT1A0553	NEELAM VIMALA	P	P	P	P	P	P	A	P	P	P	9
30	21NT1A0554	NEMALIPURI SUMA SRI	P	P	P	P	P	P	P	P	P	P	10
31	21NT1A0555	NIKKALA GANESH	P	P	P	P	P	P	P	P	P	P	10
32	21NT1A0558	PALLANTLA HEMANKITHA	P	A	P	P	P	P	P	P	P	P	9
33	21NT1A0561	PATNALA LAKSHMIKANTH YASWANTH	P	P	P	P	P	P	P	P	P	P	10
34	21NT1A0564	PYLA APPALA ROHAN SAI KIRAN	P	P	P	P	P	P	P	P	P	P	10
35	21NT1A0565	ROUTHU TRISHANYA	P	P	P	P	P	P	P	P	P	P	10
36	21NT1A0567	SEERAMDAS MEGHANA	P	P	P	P	P	P	P	P	P	P	10
37	21NT1A0569	SUMATHI POGIRI	P	P	P	P	P	P	P	P	P	P	10
38	21NT1A0571	TADEPALLI PRANEETH	P	P	P	P	P	P	P	P	P	P	10
39	21NT1A0572	TADIVADA DEEPTHI	P	P	P	P	P	P	P	P	P	P	10
40	21NT1A0573	TAMIRI JERUSHA RANI	P	P	P	P	P	P	P	P	P	P	10
41	21NT1A0574	THIVANNA BALA BHARATHI	P	P	P	P	P	P	P	P	P	P	10
42	21NT1A0575	TUMMALAPUDI SRUTHI KEERTHANA	P	P	P	A	P	P	P	P	P	P	9
43	21NT1A0577	UGGINA KISHORE	P	P	P	P	P	P	P	P	P	P	10
44	21NT1A0578	VADDI KEERTHIKA	P	P	P	P	P	P	P	P	P	P	10
45	21NT1A0580	VANKA DONI	P	P	P	P	P	P	P	P	P	P	10
46	21NT1A0585	ANDUGULU JASMINE	P	P	P	P	P	P	P	P	P	P	10
47	21NT1A0589	GANARANJAN NAYAK	P	P	P	P	P	P	P	P	P	P	10
48	21NT1A0590	GOLLA APARNA GANGA KAVYA	P	P	P	P	P	P	P	P	P	P	10

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S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
48	21NT1A0595	KILLI CHANTI	P	P	P	P	P	P	P	P	P	P	10
50	21NT1A0540	LANKADA SATYA VENKATA CHAITANYA	P	P	P	P	P	P	P	P	P	P	10
51	21NT1A0545	PAKALAPATI YATHIN VARMA	P	P	P	P	P	P	P	P	P	P	10
52	21NT1A0546	PEETHA BHARANI	P	P	P	P	P	P	P	P	P	P	10
53	21NT1A0547	PENUMATSA KARTHIKEYA VARMA	P	P	A	P	P	P	P	P	P	P	9
54	21NT1A0548	PUSARLA SACHIT	P	P	P	P	P	P	P	P	P	P	10
55	21NT1A0549	R SAMEER	P	P	P	P	P	P	P	A	P	P	9
56	21NT1A0583	SAPPATI KOUSHIK	P	P	P	P	P	P	P	P	P	P	10
57	21NT1A0588	VELLAPU HARSHA VARDHAN	P	P	P	P	P	P	P	P	P	P	10
58	21NT1A05C2	KARRI RAJIV	P	P	P	P	P	P	P	P	P	P	10
59	22NT5A0502	ALAVALAPATI SRIRAM	P	P	P	P	P	P	P	P	P	P	10
60	22NT5A0504	BANTU REVANTH	P	P	P	P	P	P	P	P	P	P	10
61	22NT5A0508	CHANDAKA SAI GEETHIKA	P	P	P	P	P	P	P	P	P	P	10
62	22NT5A0510	CHINTHAGUNTA VASU	P	P	P	P	P	P	P	P	P	P	10
63	22NT5A0516	KOLLI DHANDU RAO	P	P	P	P	P	P	P	P	P	P	10
64	22NT5A0518	KORIBILLI BHARGAV	P	P	P	P	P	P	P	P	P	P	10
65	22NT5A0521	KOVILADA UMASHANKAR	P	P	P	A	P	P	P	P	P	P	9
66	22NT5A0522	MADDU N S S DURGA PRASAD	P	P	P	P	P	P	P	P	P	P	10
67	22NT5A0524	MUMMADI DURGA	P	P	P	P	P	P	A	P	P	P	9
68	22NT5A0525	MUVVALA VAMSI	P	P	P	P	P	P	P	P	P	P	10
69	22NT5A0527	PASUMARTHY RAVI TEJA	P	P	P	P	P	P	P	P	P	P	10
70	22NT5A0529	PENTAKOTA TARUN KUMAR	P	P	P	P	P	P	P	P	P	P	10
71	22NT5A0530	PERAMPU SUHASA	P	P	P	P	P	P	P	P	P	P	10
72	22NT5A0535	SARIPELLI MANIKANTA	P	P	P	P	P	P	P	P	P	P	10

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DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
73	22NTSA0537	KAMALAPALLI KIRANMAI	P	P	P	P	P	P	P	P	P	P	10
74	22NTSA0538	DEEKSHA PATNAIK	P	P	P	P	P	P	P	P	P	P	10
75	22NTSA0539	ERINI ANITH	P	P	P	P	P	P	A	P	P	P	9
76	22NTSA0540	KORIBILLI SUDHEER	P	P	P	P	P	P	P	P	P	P	10
77	22NTSA0542	POLIMERA CHARAN	P	A	P	P	P	P	P	P	P	P	9
78	22NTSA0543	SAMOJU PAVAN KALYAN	P	P	P	P	P	P	P	P	P	P	10
79	22NTSA0544	TUMMALA JAYASREE	P	P	P	P	P	P	P	P	P	P	10
80	22NTSA0546	DOKKABU KOTESWAR RAO	P	P	P	P	P	P	P	P	P	P	10
		Total no. of students	80	80	80	80	80	80	80	80	80	80	
		No. of students present	80	78	78	77	79	80	76	78	79	79	
		No. of students absent	0	2	2	3	1	0	4	2	1	1	
		Signature of the staff											

PROGRAM COORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

DEPARTMENT OF COMPUTER SCIENCE and ENGINEERING

ASSESSMENT SHEET

Year/SEM: IV / I
Course Type: VALUE ADDED COURSE
Course Name: CLOUD COMPUTING
A.Y: 2023-2024
Branch: CSE
Duration: 30 Mins
Maximum Marks: 25 M Marks Obtained 25
H.T. No.

2	1	N	T	1	A	0	5	D	3

- **ANSWER ALL THE QUESTIONS**
- **EACH QUESTION CARRIES 2 MARKS**

S.NO	QUESTIONS	ANSWERS
1	Which of the following is a key advantage of scalable computing over the internet? a) Dynamic resource allocation b) Increased cost c) Limited scalabilityd) Complex implementation	(a)
2	What is a system model commonly used in distributed computing? a) Centralized model b) Peer-to-peer model c) Multithreaded model d) Hybrid model	(b)
3	Which metric is typically used to evaluate system performance? a) Latency b) Data redundancy c) Power consumption d) Encryption speed	(a)
4	Which system ensures fault tolerance in distributed computing? a) Standalone systems b) Embedded systems c) Clustered systemsd) Single-node systems	(c)
5	What is a defining feature of distributed systems? a) Shared memory b) Geographic distribution of nodes c) Centralized storage(d) Lack of communication	(b)
6	What is an example of hardware-level virtualization? a) Dockerb) VMware c) Kubernetes d) Spark	(b)
7	What does CPU virtualization enable? a) Running multiple OS instances b) Enhanced battery life c) Simplified programming d) Reduced costs	(a)
8	Which mechanism is used for data-center automation? a) Load balancing b) Resource pooling c) Memory compression d) Encryption	(b)
9	What is the primary use of virtual clusters? a) Running parallel workloads b) Single-threaded optimization c) Enhancing databases d) File encryption	(a)
10	Which type of virtualization involves abstracting I/O devices? a) Application-level b) Memory virtualization c) I/O virtualization d) Network virtualization	(c)

11	Which service model focuses on application development platforms? a) SaaS b) IaaS c) PaaS d) DaaS	(c)
12	What is an example of a public cloud platform? a) AWS b) Kubernetes c) Docker d) Hadoop	(a)
13	Which characteristic defines Service-Oriented Architecture (SOA)? a) Centralized architecture b) Loose coupling c) Fixed protocols d) Redundant communication	(b)
14	Which cloud model does Amazon AWS primarily use? a) SaaS b) PaaS c) IaaS d) FaaS	(c)
15	Microsoft Azure provides support for: a) Mobile app development b) Cloud-based services c) Data encryption algorithms d) Virtualization tools	(b)
16	What is the main goal of resource management policies? a) Increase hardware costs b) Optimize resource utilization c) Reduce task scheduling complexity d) Improve encryption	(b)
17	Which scheduling algorithm is priority-based? a) Round Robin b) Priority scheduling c) First Come First Serve d) Random scheduling	(b)
18	What is a benefit of applying control theory to cloud scheduling? a) Dynamic task scheduling b) Manual resource allocation c) Enhanced encryption d) Reduced hardware costs	(a)
19	What ensures stability in a two-level resource allocation architecture? a) Static allocation b) Dynamic feedback control c) Fixed priority queues d) Load balancing	(b)
20	What does an autonomic performance manager focus on? a) Manual task adjustments b) Automating performance tuning c) Reducing system redundancy d) Debugging errors	(b)
21	Which technology is commonly used in distributed storage systems? a) NAS b) DAS c) RAM d) RAID	(a)
22	What is the primary purpose of a distributed file system? a) Centralized data access b) File sharing across nodes c) Manual data synchronization d) Single-user access	(b)
23	Which file system influenced the design of Google File System (GFS)? a) HDFS b) Bigtable c) Spanner d) DynamoDB	(a)
24	Parallel file systems are commonly used in: a) IoT systems b) High-performance computing c) Web hosting d) Mobile devices	(b)
25	What is a focus area of modern storage systems? a) Scalability and speed b) Data compression c) Simple architecture d) Low-cost hardware	(a)

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MARKS STATEMENT& CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	21NT1A0501	AMARA GOPI	IV Year	CSE	A+
2	21NT1A0503	ANNEPU DILEEP	IV Year	CSE	O
3	21NT1A0505	BANDARU TULASI KISHOR	IV Year	CSE	O
4	21NT1A0506	BATCHALA TEJASWANI	IV Year	CSE	O
5	21NT1A0508	BODDAPU MYDHILI	IV Year	CSE	O
6	21NT1A0509	BODDEPALLI UDAY SHANKAR NAGESHWAR RAO	IV Year	CSE	O
7	21NT1A0510	BODDU JAGADEESH	IV Year	CSE	O
8	21NT1A0511	BOOSA HARSHINIREDDY	IV Year	CSE	O
9	21NT1A0513	CHALLA ASHOK KUMAR	IV Year	CSE	A+
10	21NT1A0514	CHALLA UDAY KIRAN	IV Year	CSE	O
11	21NT1A0516	DOPPA GOWTHAMI	IV Year	CSE	A+
12	21NT1A0518	GANDIBOYINA HEMALATHA	IV Year	CSE	O
13	21NT1A0521	GEDDAMURI HARI TEJA	IV Year	CSE	O
14	21NT1A0525	GUNURU MOUNIKA	IV Year	CSE	O
15	21NT1A0530	JANAPAREDDY LEENA LAHARI	IV Year	CSE	O
16	21NT1A0531	JERRIPOTHULA SAI KUMAR	IV Year	CSE	O
17	21NT1A0533	KAKILETI SRI LAKSHMANA AVINASH	IV Year	CSE	O
18	21NT1A0534	KANDI MANIKANTA	IV Year	CSE	O
19	21NT1A0535	KANDI TEJESWARI	IV Year	CSE	O
20	21NT1A0536	KANTIMAHANTI VENKATA SAI	IV Year	CSE	A+
21	21NT1A0537	KARANAM NEELIMA	IV Year	CSE	O
22	21NT1A0538	KARRI SAI SWETHA	IV Year	CSE	O
23	21NT1A0542	KONA ANITHA	IV Year	CSE	O
24	21NT1A0544	KOTCHARLA RENUKA	IV Year	CSE	O

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MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S
25.	21NT1A0545	KUCHIPUDI VAMSI	21NT1A0545	CSE	A+
26.	21NT1A0549	MEESALA YUGANDHAR NAIDU	21NT1A0549	CSE	O
27.	21NT1A0551	METTA PRAVEEN BHATLU	21NT1A0551	CSE	O
28.	21NT1A0552	MUNAKALA VASANT	21NT1A0552	CSE	O
29.	21NT1A0553	NEELAM VIMALA	21NT1A0553	CSE	O
30.	21NT1A0554	NEMALIPURI SUMA SRI	21NT1A0554	CSE	O
31.	21NT1A0555	NUKALA GANESH	21NT1A0555	CSE	O
32.	21NT1A0558	PALLANTLA HEMANKITHA	21NT1A0558	CSE	O
33.	21NT1A0561	PATNALA LAKSHMIKANTH YASWANTH	21NT1A0561	CSE	A+
34.	21NT1A0564	PYLA APPALA ROHAN SAI KIRAN	21NT1A0564	CSE	O
35.	21NT1A0565	ROUTHU TRISHANYA	21NT1A0565	CSE	A+
36.	21NT1A0567	SEERAMDAS MEGHANA	21NT1A0567	CSE	O
37.	21NT1A0569	SUMATHI POGIRI	21NT1A0569	CSE	O
38.	21NT1A0571	TADEPALLI PRANEETH	21NT1A0571	CSE	O
39.	21NT1A0572	TADIVADA DEEPTHI	21NT1A0572	CSE	O
40.	21NT1A0573	TAMIRI JERUSHA RANI	21NT1A0573	CSE	O
41.	21NT1A0574	THIVANANA BALA BHARATHI	21NT1A0574	CSE	O
42.	21NT1A0575	TUMMALAPUDI SRUTHI KEERTHANA	21NT1A0575	CSE	O
43.	21NT1A0577	UGGINA KISHORE	21NT1A0577	CSE	O
44.	21NT1A0578	VADDI KEERTHIKA	21NT1A0578	CSE	A+
45.	21NT1A0580	VANKA DONI	21NT1A0580	CSE	O
46.	21NT1A0585	ANDUGULU JASMINE	21NT1A0585	CSE	O
47.	21NT1A0589	GANARANJAN NAYAK	21NT1A0589	CSE	O
48.	21NT1A0590	GOLLA APARNA GANGA KAVYA	21NT1A0590	CSE	O

NAME OF THE PROGRAM: Value added course on Cloud Computing

DURATION OF THE PROGRAM: 28-08-2023 to 11-09-2023

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S ORTAINED
49.	21NT1A0595	KILLI CHANTI	IV Year	CSE	A+
50.	21NT1A05A0	LANKADA SATYA VENKATA CHAITANYA	IV Year	CSE	O
51.	21NT1A05A5	PAKALAPATI YATHIN VARMA	IV Year	CSE	O
52.	21NT1A05A6	PEETHA BHARANI	IV Year	CSE	O
53.	21NT1A05A7	PENUMATSA KARTHIKEYA VARMA	IV Year	CSE	O
54.	21NT1A05A8	PUSARLA SACHIT	IV Year	CSE	O
55.	21NT1A05A9	R SAMEER	IV Year	CSE	O
56.	21NT1A05B3	SAPPATI KOUSHIK	IV Year	CSE	O
57.	21NT1A05B8	YELLAPU HARSHA VARDHAN	IV Year	CSE	A+
58.	21NT1A05C2	KARRI RAJIV	IV Year	CSE	O
59.	22NT5A0502	ALAVALAPATI SRIRAM	IV Year	CSE	A+
60.	22NT5A0504	BANTU REVANTH	IV Year	CSE	O
61.	22NT5A0508	CHANDAKA SAI GEETHIKA	IV Year	CSE	O
62.	22NT5A0510	CHINTHAGUNTA VASU	IV Year	CSE	O
63.	22NT5A0516	KOLLI BHANOJI RAO	IV Year	CSE	O
64.	22NT5A0518	KORIBILLI BHARGAV	IV Year	CSE	O
65.	22NT5A0521	KOYILADA UMASHANKAR	IV Year	CSE	O
66.	22NT5A0522	MADDU N S S DURGA PRASAD	IV Year	CSE	O
67.	22NT5A0524	MUMMADI DURGA	IV Year	CSE	O
68.	22NT5A0525	MUVVALA VAMSI	IV Year	CSE	A+
69.	22NT5A0527	PASUMARTHY RAVI TEJA	IV Year	CSE	O
70.	22NT5A0529	PENTAKOTA TARUN KUMAR	IV Year	CSE	O
71.	22NT5A0530	PERARAPU SUHASA	IV Year	CSE	O
72.	22NT5A0535	SARIPILLI MANIKANTA	IV Year	CSE	O

25	22NTSA0537	YAMALAPALLI KIRANMAI	IV Year	CSE	O
26	22NTSA0538	DEEKSHA PATNAIK	IV Year	CSE	A+
27	22NTSA0539	ERINI ANITH	IV Year	CSE	O
28	22NTSA0540	KORIBILLI SUDHEER	IV Year	CSE	O
29	22NTSA0542	POLIMERA CHARAN	IV Year	CSE	O
30	22NTSA0543	SAMOJU PAVAN KALYAN	IV Year	CSE	O
31	22NTSA0544	TUMMALA JAYASREE	IV Year	CSE	O
32	22NTSA0545	DOKKARI KOTESWARA RAO	IV Year	CSE	A+
No. of students getting more than A+					63
% of students getting more than A+					87.5%

MARKS	20-25	15-19	10-14	5-9	1-4
GRADE	O	A+	A	B+	B

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows a proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Name of the Program: Value added course on Cloud Computing
Duration: 28-08-2023 to 11-09-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	28-08-2023	Introduction to Cloud Computing and Virtualization Basics-Types of Virtualization
2	29-08-2023	Cloud Computing Architecture and Virtual Machines-Components of VMs
3	30-08-2023	Virtualization Tools, Mechanisms, and Resource Management-Techniques for Efficient Resource Management: Over commitment-CPU Pinning-Memory Ballooning
4	31-08-2023	Virtualization in Cloud Environments and Data Centers-Automation in Cloud Infrastructure
5	01-09-2023	Cloud Platforms and Programming- Introduction to Cloud APIs - Programming for AWS (Amazon SDK)-Azure SDK
6	4-09-2023	Cloud Resource Management and Scheduling-Load Balancing and Auto-scaling in Cloud Computing-Horizontal and Vertical Scaling
7	05-09-2023	Virtualization of Clusters and Resource Bundling-Introduction to Cloud Management and Orchestration Platforms
8	06-09-2023	Cloud Storage Systems-Advanced Virtualization – Performance, Stability, and Control
9	08-09-2023	Cloud Security, Privacy, and Compliance-Cloud Cost Management and Optimization
10	11-09-2023	Scheduling Algorithms and Resource Allocation Policies, Virtualization for Data, Case Studies and Real-World Applications

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE: VSPT

CertificateofParticipation

This is to certify that Mr. /Ms. /Mrs. Aneepm Dileep of CSE
Has participated in a **Two-week Value-Added Course** on **"CLOUD COMPUTING"**, Organized by Department of Computer Science and Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State,India,during **28th August 2023 to 11th September 2023**.

Program Coordinator
Mr.K.VIJAY

HOD
Mrs. A.S.C Tejaswini Kone

Principal
Dr. V. Sridhar Patnaik

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10acres of scenic landscapewhichis an ideal place.

ABOUT THE DEPARTMENT:

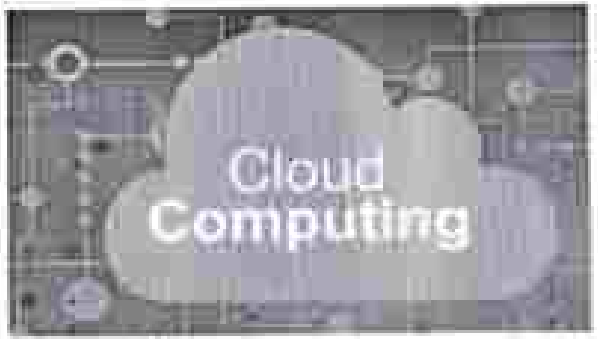
Recognizing the overwhelming demand for computer engineering education, the Institute started the 4 year B.Tech course in Computer Science and Engineering in 2008 with an intake of 60 and M.Tech (CSE) Programme M.Tech – 18 approved by AICTE. The students are facilitated with sufficient number of computers with the latest LAN/WAN configuration. Networked with Hi-end servers. Fiber Optic Network Backbone for connectivity providing users access to the Reliance 4Mbps & BSNL 50 Mbps VPN broad band facilities. The computer laboratory has systems with latest configuration. It has a LAN environment operating Windows XP and Linux. All the two environments are connected and operating with TCP/IP Protocol.

ABOUT TWO-WEEK VALUE-ADDED COURSE

This two-week value-added course on **"Cloud Computing"** deals with the basics of cloud computing, including the different types of cloud environments (Public, Private, Hybrid) and service models (IaaS, PaaS, SaaS). It covers key concepts such as cloud architecture, virtualization, storage options (object, block, file storage), and data security. Students will learn to navigate and use popular cloud platforms like AWS, Google Cloud, and Microsoft Azure, gaining hands-on experience in setting up accounts, deploying applications, and managing cloud infrastructure. The course also explores cloud security practices, cost management strategies, and real-world use cases, enabling students to acquire both theoretical knowledge and practical skills for leveraging cloud technologies in various applications that are useful for the benefit of the society.

CONTENTS OF THE PROGRAM

1. Introduction to Cloud Computing and Virtualization Basics
2. Cloud Computing Architecture and Virtual Machines
3. Virtualization Tools, Mechanisms, and Resource Management.
4. Virtualization in Cloud Environments and Data Centers.
5. Cloud Platforms and Programming
6. Cloud Resource Management and Scheduling.
7. Virtualization of Clusters and Resource



Resource Persons:

1. Mrs. M. Usha
Associate Professor
Dept. Of Computer science & Engineering
Visakha Institute of Engineering and Technology

2. Mrs.D.Haritha
Associate Professor
Dept.of Computer science & Engineering
Visakha Institute of Engineering and Technology

3.Mr. K.Vijay
Associate Professor
Dept. of Computer science & Engineering
Visakha Institute of Engineering and Technology

4. Dr. P.V.V.Satyanarayana
Associate Professor
Dept. of Computer science & Engineering
Visakha Institute of Engineering and Technology

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Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

A Two-Week Value-Added Course on "Cloud Computing"

28-08-2023 to 11-09-2023

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication:

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s):

Date:

Station: Visakhapatnam

Chief Patron : Sri G.Satyanarayana
Chairman

Patron : Prof.V.Sridhar Patnaik
Principal

Convener : A.S.C Tejaswini Kone
CSE HOD

Coordinator : K. Vijay
Assistant Professor

Organizing Committee:

Mrs. A.S.C Tejaswini Kone, Associate professor
Mr. K. Vijay, Assistant Professor
Mrs. Shalini Bhiride, Assistant Professor
Mrs. K.prasanna Lathe, Assistant Professor

Advisory Committee:

Mr. P.Prasad (Ph.D), Associate Professor
Mrs. G.Anuradevi, Assistant Professor
Mrs. M.Sowjanya, Associate Professor

Registration Details:

Registration starts from 24-08-2023.

For furtherdetails, contact:K.VIJAY

Contact No. 8074 883 436

A Two-Week Value-Added Course on "Cloud Computing"

28-08-2023 to 11-09-2023

Organized By

Department of Computer Science and Engineering
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)
88[th] Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

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FEEDBACK FORM

Name of the Student	Course Title	Date
D. Greeshma	Cloud Computing	12-9-23

- For each of the following areas, please indicate your reaction

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.	✓			
3	The instructor presented course material in a clear manner that facilitated understanding	✓			
4	This class has increased my interest in this field of study		✓		
5	The readings were appropriate to the goals of the course.		✓		
6	I have put a great deal of effort into advancing my learning in this course		✓		
7	I would highly recommend this course to other students		✓		
8	The grading practices were fair	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory
Any Other Suggestion:

CIRCULAR

Date: 31-01-2024

The Department of Computer Science and Engineering has planned to conduct Value Added Course from 05-02-2024 to 16-02-2024 for IIICSE students on "UI & UX". The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online& Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Mr.K.Vijay

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Principal

IQAC	R&D	CIVIL	EEE	ME	ECE	CSE	BS&H	MBA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board _Class Room
- IQAC

REQUISITION LETTER

Date: 29-01-2024

From
Mrs. A.S.C Tejaswini Kone
Head of the department
Department of Computer Science and Engineering
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg.

The academic council members recommended that the Department of Computer Science and Engineering offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
UI & UX	05-02-2024 to 16-02-2024	30 Hrs.	No

Thanking You,

Yours faithfully,

A.S.C Tejaswini Kone

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: UI&UX
Course duration	: 30 Hours
Year Offered	: III Year Students
Course Coordinator	: Mr.K.Vijay
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 65
Number of students Appeared	: 65
Number of students Passed	: 65

COURSE OUTCOMES

Students in the course obtain the following outcomes.

- To explain the fundamental principles and importance of UI and UX design in creating effective, user-centered digital products.
- To describe the core elements of UI design, process of user research and analysis.
- To motivate students to apply UX principles by designing interactive prototypes.
- To introduce essential UI/UX design tools such as Figma, Sketch, and Adobe XD.

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 19-02-2024

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2.

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Rajam, Vizianagaram-535 005.

UI & UX-SYLLABUS

Course Objectives:

- To provide a comprehensive understanding of UI and UX principle
- To develop skills in visual design fundamentals.
- To provide training in prototyping and usability testing.
- To build proficiency in communicating and presenting design solutions.

Course Outcomes: On completion of this course, the students will be able to

- To explain the fundamental principles and importance of UI and UX design in creating effective, user-centered digital products.
- To describe the core elements of UI design, process of user research and analysis.
- To motivate students to apply UX principles by designing interactive prototypes.
- To introduce essential UI/UX design tools such as Figma, Sketch, and Adobe XD.

UNIT I: Python Basics and Data Handling: Introduction to Python, Input and Output, Data Types, Operators, Conditional Statements.

UNIT II: Control Structures and Data Collections: Loops, Loop Control, Lists, Dictionaries, And Tuples.

UNIT III: Functions and Advanced Programming Concepts: Normal Functions, Lambda Functions, Mapping Functions, Introduction to Object-Oriented Programming (OOP).

UNIT IV: HTML and Web Development Basics: HTML Basics, Text Formatting and Links, HTML Tables, Images and Multimedia, Introduction to CSS.

UNIT V: CSS Fundamentals and Web Styling: CSS Basics, Borders and Backgrounds, Font Styles, Link Styling.

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1.	22NT1A0501	AGURHULA KALYAN KUMAR	III Year	CSE	
2.	22NT1A0504	ANAPANA SRAVANI	III Year	CSE	
3.	22NT1A0505	ARIPILLI SRAVANI	III Year	CSE	
4.	22NT1A0507	BANDARU LEELA VENKATA NAGA LAKSHMI	III Year	CSE	
5.	22NT1A0508	BANDARU RAMYA	III Year	CSE	
6.	22NT1A0516	DONU JAGADEESH	III Year	CSE	
7.	22NT1A0517	BUTHALA RAMANA	III Year	CSE	
8.	22NT1A0520	CHANDAPU KISHORE	III Year	CSE	
9.	22NT1A0524	DEVA VINAY	III Year	CSE	
10.	22NT1A0527	DOLAI NIROSHA	III Year	CSE	
11.	22NT1A0528	DUVVI DEEPTHI SUDHA	III Year	CSE	
12.	22NT1A0530	GANGUPALLI VIJAYENDRA NAIDU	III Year	CSE	
13.	22NT1A0535	GEDDAM SHRISHA	III Year	CSE	
14.	22NT1A0536	GEETHA NAGA SWARUPA SUNKARA	III Year	CSE	
15.	22NT1A0537	GOLLAPOTHU DURGA PRASANNA	III Year	CSE	
16.	22NT1A0551	KATTA SRAVANI	III Year	CSE	
17.	22NT1A0552	KELLA GEETHIKA	III Year	CSE	
18.	22NT1A0553	KONA HARIKA	III Year	CSE	
19.	22NT1A0557	KOPPISETTI SUDHA SRI	III Year	CSE	
20.	22NT1A0560	KOTTEDA GOWRI	III Year	CSE	

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
21.	22NT1A0563	KUMMARIPALLI THIRUMALESH	III Year	CSE	
22.	22NT1A0564	KUNDETI GANDHI DURGA RAO	III Year	CSE	
23.	22NT1A0565	KUNISETTI PRAVEEN	III Year	CSE	
24.	22NT1A0569	MALLIPEDDI ROHITH	III Year	CSE	
25.	22NT1A0570	MAMIDI SIVA KUMAR	III Year	CSE	
26.	22NT1A0572	MARADANA BHANU PRAKASH	III Year	CSE	
27.	22NT1A0576	MEESALA PREMA SAI SREEJA	III Year	CSE	
28.	22NT1A0580	MUMMANA JEEVANA KAVYA	III Year	CSE	
29.	22NT1A0590	PENDEM RUPA	III Year	CSE	
30.	22NT1A0592	POLA TEJASWINI	III Year	CSE	
31.	22NT1A0593	RAAVI HARIKA	III Year	CSE	
32.	22NT1A0594	RAGOLU VINEETHA	III Year	CSE	
33.	22NT1A0597	SAHBAVARAPU SAI VARSHA VARDHINI	III Year	CSE	
34.	22NT1A0598	SAKA MARRY JASMINE	III Year	CSE	
35.	22NT1A0599	SAMANTHULA SUNDARA RAJU	III Year	CSE	
36.	22NT1A05A1	SARADI VENKATA SATYA SAINADH	III Year	CSE	
37.	22NT1A05A3	SIRIPURAPU SRILATHA	III Year	CSE	
38.	22NT1A05A8	VASAMSETTI BHARATH SAI	III Year	CSE	
39.	22NT1A05A9	VELPURI JAGADEESWAR MADHU	III Year	CSE	
40.	22NT1A05B0	VEPADA TEJASWANI	III Year	CSE	
41.	22NT1A05B1	VINDULA DEVI PRIYANKA	III Year	CSE	
42.	22NT1A05B2	VORUGANTI ANURADHA	III Year	CSE	

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
43.	22N71A05B3	YAMALAPALLI AVANTHI	III Year	CSE	
44.	22N71A05B4	YARABATI RAMBABU	III Year	CSE	
45.	22N71A05B7	KADAVALA DEVI SRI	III Year	CSE	
46.	22N71A05C0	PRAGADA TEJASWINI	III Year	CSE	
47.	22N71A4201	BANDARU GAYATHRI	III Year	CSE-AIML	
48.	22N71A4203	CHANDAN KUMAR MAHAPATRO	III Year	CSE-AIML	
49.	22N71A4207	GEDALA KISHORE	III Year	CSE-AIML	
50.	22N71A4208	KANURU SHARMILA	III Year	CSE-AIML	
51.	22N71A4210	KOMINENI CHAITHANYA	III Year	CSE-AIML	
52.	22N71A4212	KORUKONDA ESHA	III Year	CSE-AIML	
53.	22N71A4222	PALEPU BHANU SRI	III Year	CSE-AIML	
54.	22N71A4225	PYLA DEEPIKA	III Year	CSE-AIML	
55.	22N71A4227	SUTHI RISHI VARDHAN	III Year	CSE-AIML	
56.	22N71A4401	ANNAMREDDI NAGESH	III Year	CSE-DS	
57.	22N71A4405	KOTHAKOTTA VAMSI KRISHNA	III Year	CSE-DS	
58.	22N71A4406	LINGAM SAMPATH KUMAR	III Year	CSE-DS	
59.	22N71A4412	PEDADA DIVYA	III Year	CSE-DS	
60.	22N71A4413	RAYAVARAPU VANDANA	III Year	CSE-DS	
61.	22N71A4418	VOMMELAHARI	III Year	CSE-DS	
62.	22N71A4419	YENEGUTHALA SRIJANA	III Year	CSE-DS	

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
63.	22NTIA4608	GOLAGANI KARTHIK	III Year	CSE-CS	G Karthik
64.	22NTIA4611	KALISETTI TRISHA	III Year	CSE-CS	K. Trisha
65.	22NTIA4620	YADLA DURGA SAI	III Year	CSE-CS	Y. Durga Sai

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Kapuluppada, Visakhapatnam-530 027

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
1	22NT1A0501	AGURIULA KALYAN KUMAR	P	P	P	P	P	P	P	P	P	P	10
2	22NT1A0504	ANAPANA SRAVANI	P	P	P	P	P	P	P	P	P	P	10
3	22NT1A0505	ARIPILLI SRAVANI	P	P	P	P	P	P	P	P	P	P	10
4	22NT1A0507	BANDARU LEELA VENKATA NAGA LAKSHMI	P	P	P	P	P	P	P	P	P	P	10
5	22NT1A0508	BANDARU RAMYA	P	P	P	P	P	P	P	A	P	P	9
6	22NT1A0516	BONU JAGADEESH	P	P	P	P	P	P	P	P	P	P	10
7	22NT1A0517	BUTHALA RAMANA	P	P	P	P	P	P	P	P	P	P	10
8	22NT1A0520	CHANDAPU KISHORE	P	P	P	A	P	P	P	P	P	P	9
9	22NT1A0524	DEVA VINAY	P	P	P	P	P	P	P	P	P	P	10
10	22NT1A0527	DOLAI NIRISHA	P	P	P	P	P	P	P	P	P	P	10
11	22NT1A0528	DUVVI DEEPTHI SUDHA	P	P	P	P	P	P	P	P	P	A	9
12	22NT1A0530	GANGEPALLI VIJAYENDRA NAIDU	P	P	P	P	P	P	P	P	P	P	10
13	22NT1A0535	GODDAM SOURISHA	P	P	P	P	P	P	P	P	P	P	10
14	22NT1A0536	GEETHA NAGA SWARUPA NUNKARA	P	P	P	P	P	P	P	P	P	P	10
15	22NT1A0537	GOLLAPOTHU DURGA PRASANNA	P	P	P	P	P	P	P	P	P	P	10
16	22NT1A0551	KATTA SRAVANI	P	P	P	P	P	P	P	P	P	P	10
17	22NT1A0552	KELLA GEETHIKA	P	P	P	P	P	P	A	P	P	P	9
18	22NT1A0553	KONA HARIKA	P	P	P	P	P	P	P	P	P	P	10
19	22NT1A0557	KOPPISETTI SUBHA SRI	P	P	P	P	P	P	P	P	P	P	10
20	22NT1A0560	KOTTEDA GOWRI	P	P	P	P	P	P	P	P	P	P	10
21	22NT1A0563	KUMMARIPALLI THIRUMALESH	P	P	P	P	P	P	P	P	P	P	10
22	22NT1A0564	KUNDETI GANDHI DURGA RAO	P	P	P	P	P	P	P	P	P	P	10
23	22NT1A0565	KUNISETTI PRAVEEN	P	P	P	P	P	P	P	P	P	P	10
24	22NT1A0566	MALLIPEDDI ROHITH	P	A	P	P	P	P	P	P	P	P	9

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
25	22N71A0570	MAMIDI SIVA KUMAR	P	P	A	P	P	P	P	P	P	P	9
26	22N71A0572	MAHADANA BHANU PRAKASH	P	P	P	P	P	P	A	P	P	P	9
27	22N71A0576	MEESALA PREMA SAI SREELA	P	P	P	P	P	P	P	P	P	P	10
28	22N71A0580	MUMMANA JEEVANA KAVYA	P	P	P	P	A	P	P	P	P	P	9
29	22N71A0590	PENDEM RUPA	P	P	P	P	P	P	P	P	P	P	10
30	22N71A0592	POLA TEJASWINI	P	P	P	P	P	P	P	P	P	P	10
31	22N71A0593	RAAVI HARIKA	P	P	P	P	P	P	P	P	P	P	10
32	22N71A0594	RAGHUJI VINEETHA	P	P	P	P	P	P	P	P	P	P	10
33	22N71A0597	SAHBAVARAPU SAI VARSHA VAHDHINI	P	A	P	P	P	P	P	P	P	P	9
34	22N71A0598	SAKA MARRY JASMINE	P	P	P	P	P	P	P	P	P	P	10
35	22N71A0599	SAMANTHULA SUNDARA RAJU	P	P	P	P	P	P	P	P	P	P	10
36	22N71A05A1	SARAM VENKATA SATYA SAINADH	P	P	P	P	P	P	P	P	P	P	10
37	22N71A05A3	SIRIPURAPU SRI LATHA	P	P	P	P	P	P	P	P	P	P	10
38	22N71A05A9	VASAMSETTI BHARATH SAI	P	P	P	A	P	P	P	P	P	P	9
39	22N71A05A9	VELPURI JAGADEESWAR MADHU	P	P	P	P	P	P	P	P	P	P	10
40	22N71A05B0	VEPADA TEJASWANI	P	P	P	P	P	P	P	A	P	P	9
41	22N71A05B1	VINJULA DEVI PRIYANKA	P	P	P	P	P	P	P	P	P	P	10
42	22N71A05B7	VORUGANTI ANURADHA	P	P	P	P	P	P	P	P	P	P	10
43	22N71A05B3	YAMALAPALLI AVANTHI	P	P	P	P	P	P	P	P	P	P	10
44	22N71A05B4	YARABATI RAMBABU	P	P	P	P	P	P	P	P	P	P	10
45	22N71A05B5	KADAVALA DEVI SRI	P	P	P	P	P	P	P	P	A	P	9
46	22N71A05C0	PRAGADA TEJASWINI	P	P	P	P	P	P	A	P	P	P	9
47	22N71A4201	BANDARU GAYATHRI	P	P	P	P	P	P	P	P	P	P	10
48	22N71A4203	CHANDAN KUMAR MAHAPATRO	P	P	P	P	P	P	P	P	P	P	10

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
59	22NT1A4207	GEDALA KISHORE	P	P	P	P	P	P	P	P	P	P	10
60	22NT1A4208	KANURU SHARMILA	P	P	P	P	P	P	P	P	P	P	10
61	22NT1A4210	KOMINENI CHAITHANYA	P	P	P	A	P	P	P	P	P	P	9
62	22NT1A4212	KORUKONDA ESHA	P	P	P	P	P	P	P	P	P	P	10
63	22NT1A4222	PALEPU BHANU SRI	P	P	P	P	P	P	P	P	P	P	10
64	22NT1A4225	PYLA DEEPIKA	P	P	P	P	P	P	P	P	P	P	10
65	22NT1A4227	SUTTE RISHI VARDHAN	P	P	P	P	P	P	P	P	P	P	10
66	22NT1A4401	ANNAMREDDI NAGESH	P	P	P	P	P	P	P	P	P	P	10
67	22NT1A4405	KOTHAKOTTA VAMSI KRISHNA	P	P	A	P	P	P	P	P	P	P	9
68	22NT1A4406	LINGAM SAMPATH KUMAR	P	P	P	P	P	P	P	P	A	P	9
69	22NT1A4412	PEDADA DIVYA	P	P	P	P	P	P	P	P	P	P	10
70	22NT1A4413	RAVAVARAPU VANDANA	P	P	P	P	P	P	P	P	P	P	10
71	22NT1A4418	VOMMI LAHARI	P	P	P	P	P	P	P	P	P	P	10
72	22NT1A4419	YENUGUTHALA SRUJANA	P	P	P	P	A	P	P	P	P	P	9
73	22NT1A4603	GOLAGANI KARTHIK	P	P	P	P	P	P	A	P	P	P	9
74	22NT1A4611	KALISETTI TRISHA	P	P	P	P	P	P	P	P	P	P	10
75	22NT1A4630	VADLA DURGA SAI	P	P	P	P	P	P	P	P	P	P	10
		Total no. of students	65	65	65	65	65	65	65	65	65	65	
		No. of students present	65	63	63	62	63	65	61	63	63	64	
		No. of students absent	0	2	2	3	2	0	4	2	2	1	
		Signature of the staff											

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

DEPARTMENT OF COMPUTER SCIENCE and ENGINEERING

ASSESSMENT SHEET

Year/SEM: III / I
Course Type: VALUE ADDED COURSE
Course Name: UI & UX
A.Y: 2023-2024
Branch: CSE
Duration: 30 Mins
Maximum Marks: 25M
H.T. No.

2	2	N	T	1	A	D	5	5	1

Marks Obtained 25

- **ANSWER ALL THE QUESTIONS**
- **EACH QUESTION CARRIES 2 MARKS**

S.NO	QUESTIONS	ANSWERS
1	What is the primary goal of UI design? a) To make the interface aesthetically pleasing b) To enhance user interaction and usability c) To ensure a smooth user experience d) To ensure consistency across platforms	(B)
2	Which of the following is NOT a common principle of UI design? a)Consistency b)Visual hierarchy c)Flexibility d)Overloading information	(D)
3	What does UX stand for? a)User experience b)Unified experience c)User expertise d)Limited experience	(A)
4	Which of these is a key principle of UX design? a) Aesthetic appeal b) Ease of use c) High functionality d) Complex workflows	(B)
5	Which design element is essential for creating a positive user experience? a) Navigation b) Load time c) Clear error messages d) All of the above	(D)
6	Which of the following is an example of a "dark pattern" in UX design? a) A pop-up that offers useful information b)A confusing button to cancel a subscription c)A minimalistic design that reduces distractions d)A clear and visible search bar	(B)
7	What is the purpose of a wireframe in UI/UX design? a)To define the visual style of the application b)To create a detailed design of the user interface c)To show the layout and structure of a website or application d)To test the performance of the interface	(C)
8	Which of the following tools is commonly used for wire framing? a)Photoshop b)Figma c)Microsoft Word d)Excel	(B)
9	Which of these is an example of good UI design practice? a)Using many fonts for visual interest b)Making buttons large and clickable c)Adding too many interactive elements to a page d)Using low-contrast text and backgrounds	(B)
10	What is the main difference between UI and UX design? a)UI is about how things work, UX is about how things look UI is about the user's emotions, UX is about the interface design UI is about the layout, UX is about the overall experience UI is about the development process, UX is about design	(C)
11	Which of these actions is important when testing UX? a)Conducting usability testing b)Collecting feedback from users c)Analyzing interaction patterns d)All of the above	(D)

12	Which term refers to the process of improving the usability and accessibility of a website or app by adjusting its design based on user feedback? a)Iterative design b)Responsive design c)Static design d)Modular design	(A)
13	In a mobile app, what is a "hamburger menu"? a)A button that opens a menu of options b)A type of navigation bar c)A button that triggers a help dialog d)An icon indicating the app's main content	(A)
14	Which of the following is NOT an element of good user interface design? a)Clear labels and interactions b)Predictable navigation c)Consistency in layout and color scheme d)Overuse of animations and transitions	(D)
15	What does the term "responsive design" refer to? a)A design that adapts to different screen sizes b)A design that responds to user feedback c)A design that is interactive d)A design that loads quickly	(A)
16	What is the purpose of a user persona in UX design? a)To test the technical functionality of a product b)To represent a typical user's characteristics, goals, and behaviors c)To create a visual mockup of the user interface d)To analyze the code structure of a product	(B)
17	What does A/B testing involve in the context of UX? a)Analyzing the code quality of the interface b)Comparing two versions of a product to see which performs better c)Building two different interfaces for the same app d)Testing audio and background colors	(B)
18	What is a "call to action" (CTA) in UI design? a)A button or link that prompts users to take a specific action b)A menu item that navigates to a home page c)A design feature that improves the page load time d)An error message display	(A)
19	Which of these principles helps establish a visual hierarchy on a UI? a)Using consistent font sizes throughout b)Highlighting important elements with color and size c)Keeping all elements the same size d)Hiding key features	(B)
20	In UI/UX design, what is "affordance"? a)The feature that helps save resources b)The quality of an element that indicates how it can be used c)The color consistency across the UI d)The way a design adapts to user preferences	(B)
21	What does "Fitts's Law" state in relation to UI/UX design? a)The closer and larger a target, the easier it is to click b)The smaller a target, the easier it is to click c)The fewer the elements on a page, the better d)User flow should be consistent throughout	(A)
22	Which of these is considered a "pain point" in user experience? a)A design element that is easily accessible b)A feature that allows quick navigation c)An aspect of the product that frustrates users d)An icon that represents a common action	(C)
23	What is the purpose of a journey map in UX? a)To outline the technical features of the app b) To create a layout for the website c)To identify the sequence of steps a user takes to complete a task d)To document all the graphic elements used	(B)
24	Which design principle emphasizes that a product should be accessible to people with a wide range of abilities and disabilities? a)Inclusivity b)Visual hierarchy c)Responsiveness d)Aesthetics	(A)
25	What is the main purpose of responsive web design? a)To create a design that looks great on all devices, from desktop to mobile b)To ensure the website loads faster c)To focus only on mobile devices d)To create a unified design for desktop users only	(A)

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Kapuluppada, Visakhapatnam-530 027.

NAME OF THE PROGRAM: Value added course on UI & UX
DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	22NT1A0501	AGURHULA KALYAN KUMAR	III Year	CSE	O
2	22NT1A0504	ANAPANA SRAVANI	III Year	CSE	O
3	22NT1A0505	ARIPILLI SRAVANI	III Year	CSE	O
4	22NT1A0507	BANDARU LEELA VENKATA NAGA LAKSHMI	III Year	CSE	O
5	22NT1A0508	BANDARU RAMYA	III Year	CSE	A+
6	22NT1A0516	BONU JAGADEESH	III Year	CSE	O
7	22NT1A0517	BUTHALA RAMANA	III Year	CSE	O
8	22NT1A0520	CHANDAPU KISHORE	III Year	CSE	O
9	22NT1A0524	DEVA VINAY	III Year	CSE	O
10	22NT1A0527	DOLAI NIRODHA	III Year	CSE	A+
11	22NT1A0528	DUVVI DEEPTHI SUBHA	III Year	CSE	O
12	22NT1A0530	GANGUPALLI VIJAYENDRA NAIDU	III Year	CSE	O
13	22NT1A0534	GEDDAM KHRISHA	III Year	CSE	A+
14	22NT1A0536	GEETHA NAGA SWARUPA SUNKARA	III Year	CSE	O
15	22NT1A0537	GOLLAPOTHU DURGA PRASANNA	III Year	CSE	O
16	22NT1A0551	KATTA SRAVANI	III Year	CSE	O
17	22NT1A0552	KELLA GEETHIKA	III Year	CSE	O
18	22NT1A0555	KONA HARIKA	III Year	CSE	O
19	22NT1A0557	KOPPISETTI SUBHA SRI	III Year	CSE	O
20	22NT1A0560	KOTTEDA GOWRI	III Year	CSE	O
21	22NT1A0563	KUMMARIPALLI THIRUMALESH	III Year	CSE	A+
22	22NT1A0564	KUNDETI GANDHI DURGA RAO	III Year	CSE	A+
23	22NT1A0565	KUNISETTI PRAVEEN	III Year	CSE	O
24	22NT1A0569	MALLIPEDDI ROHITH	III Year	CSE	O

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
25.	22NT1A0570	MAMIDI SIVA KUMAR	III Year	CSE	O
26.	22NT1A0572	MARADANA BHANU PRAKASH	III Year	CSE	O
27.	22NT1A0578	MEESALA PREMA SAI SREEJA	III Year	CSE	O
28.	22NT1A0580	MUMMANA JEEVANA KAVYA	III Year	CSE	O
29.	22NT1A0590	PENDEM RUPA	III Year	CSE	O
30.	22NT1A0592	POLA TEJASWINI	III Year	CSE	O
31.	22NT1A0595	RAAVI HARIKA	III Year	CSE	O
32.	22NT1A0596	RAGOLU VINEETHA	III Year	CSE	O
33.	22NT1A0597	SAIBAVARAPU SAI VARSHA VARDHINI	III Year	CSE	A+
34.	22NT1A0598	SAKA MARRY JASMINE	III Year	CSE	A+
35.	22NT1A0599	SAMANTHULA SUNDARA RAJU	III Year	CSE	O
36.	22NT1A05A1	SARADI VENKATA SATYA SAINADH	III Year	CSE	O
37.	22NT1A05A3	SIRIPURAPU SRILATHA	III Year	CSE	O
38.	22NT1A05A8	VASAMSETTI BHARATH SAI	III Year	CSE	O
39	22NT1A05A9	VELPURI JAGADEESWAR MADHU	III Year	CSE	O
40.	22NT1A05D0	VEPADA TEJASWANI	III Year	CSE	O
41	22NT1A05H1	VINDULA DEVI PRIYANKA	III Year	CSE	O
42.	22NT1A05B2	VORUGANTI ANURADHA	III Year	CSE	O
43.	22NT1A05B3	YAMALAPALLI AVANTHI	III Year	CSE	O
44.	22NT1A05B4	YARABATI RAMBABU	III Year	CSE	O
45.	22NT1A05B7	KADAVALA DEVI SRI	III Year	CSE	O
46.	22NT1A05G0	PRAGADA TEJASWINI	III Year	CSE	O
47.	22NT1A4301	BANDARU GAYATHRI	III Year	CSE-AIML	O
48.	22NT1A4303	CHANDAN KUMAR MAHAPATRO	III Year	CSE-AIML	O

NAME OF THE PROGRAM: Value added course on UI & UX

DURATION OF THE PROGRAM: 05-02-2024 to 16-02-2024

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
49.	22NT1A4369	GUDALA KISHORE	III Year	CSE-AIML	O
50.	22NT1A4308	KANUJU SHARMILA	III Year	CSE-AIML	O
51.	22NT1A4218	KOMINENI CHAITHANYA	III Year	CSE-AIML	A+
52.	22NT1A4212	KOTIKOJNDA ESHA	III Year	CSE-AIML	O
53.	22NT1A4222	PALEPU BHANO SRI	III Year	CSE-AIML	O
54.	22NT1A4225	PYLA DEEPIKA	III Year	CSE-AIML	O
55.	22NT1A4227	SUTHI RISHI VARDHAN	III Year	CSE-AIML	O
56.	22NT1A4401	ANNAMREDDY NAGESH	III Year	CSE-DS	O
57.	22NT1A4403	KOTHAKOTTA VAMSI KRISHNA	III Year	CSE-DS	A+
58.	22NT1A4406	LINGAM SAMPATH KUMAR	III Year	CSE-DS	A+
59.	22NT1A4412	PEDADA DIVYA	III Year	CSE-DS	O
60.	22NT1A4413	RAVAVARAPU VANDANA	III Year	CSE-DS	O
61.	22NT1A4417	VOMMI LAHARI	III Year	CSE-DS	O
62.	22NT1A4419	VENUGUTHALA SRUJANA	III Year	CSE-DS	O
63.	22NT1A4608	GOLAGANI KARTHIK	III Year	CSE-CS	O
64.	22NT1A4611	KALISETTI TRISHA	III Year	CSE-CS	O
65.	22NT1A4620	VADLA DURGA SAI	III Year	CSE-CS	O
No. of students getting more than A+					55
% of students getting more than A+					84.5%

MARKS	20-25	15-19	10-14	5-9	1-4
GRADE	O	A+	A	B+	B

CO - ATTAINMENT: Course is successfully completed with Attainment-2

RUBRICS

ASSESMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Kommadi, Visakhapatnam-530 027

Name of the Program: Value added course on UI & UX
Duration: 05-02-2024 to 16-02-2024

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	05-02-2024	Introduction to Python, Input, and Output
2	06-02-2024	Introduction to basic data types-Type conversion and variable naming conventions-Simple operations.
3	07-02-2024	Operators-Different types of operators-Operator precedence and associativity
4	08-02-2024	Conditional Statements and Loops
5	09-02-2024	Lists and Tuples-Creating and working with lists-tuples and their immutability.
6	12-02-2024	Dictionaries and Range-Using dictionaries to store key-value pairs, accessing and modifying values-Functions in Python
7	13-02-2024	Lambda Functions, Mapping, and Intro to OOP-HTML Fundamentals
8	14-02-2024	HTML Basics,,Text Formatting and Links,HTML Tables, Images, and Multimedia
9	15-02-2024	Introduction to CSS,CSS Styling and Review,CSS Advanced Styling (Borders and Backgrounds)
10	16-02-2024	CSS Font Styling,Link and Button Styling,Responsive Design Basics

PROGRAM CO-ORDINATOR

HOD

INSTITUTE OF ENGINEERING & TECHNOLOGY

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC
'A' GRADE

ISO
9001:2015

COLLEGE CODE
VSPT

Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. KATTA SRAVANI *of* CSE *Has participated in a* ***Two-week Value-Added Course*** *on* ***"UI & UX"****, Organized by Department of Computer Science and Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State,India,during* ***5th February 2024 to 16TH February 2024.***

Program Coordinator	***HOD***	***Principal***
Mr.K.VIJAY	***Mrs. A.S.C Tejaswini Kone***	***Dr. V. Sridhar Patnaik***

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students. The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 18acres of scenic landscape which is an ideal place.

ABOUT THE DEPARTMENT:

Recognizing the overwhelming demand for computer engineering education, the Institute started the 4 year B.Tech course in Computer Science and Engineering in 2008 with an intake of 60 and M.Tech (CSE) Programme. M.Tech – 18 approved by AICTE. The students are facilitated with sufficient number of computers with the latest LAN/WAN configuration. Networked with Hi-end servers, Fiber Optic Network Backbone for connectivity providing users access to the Reliance 4Mbps & BSNL 50 Mbps VPN broad band facilities. The computer laboratory has systems with latest configuration. It has a LAN environment operating Windows XP and Linux. All the two environments are connected and operating with TCP/IP Protocol.

ABOUT TWO-WEEK VALUE-ADDED COURSE

This two-week value-added course on "**UI & UX**" deals with the basics of **User Interface (UI)** and **User Experience (UX)** design, focusing on the principles of creating user-friendly and visually appealing digital products. Students will learn about the core concepts of UI design, including layout, typography, color theory, and interactive elements. The course also covers UX principles such as user research, personas, wire framing, prototyping, and usability testing. students will explore designing user interfaces, creating wireframes, and understanding user journeys to ensure a seamless and intuitive experience. Additionally, they will learn responsive design in modern digital products, gaining the skills needed to design and optimize interfaces that are useful for the benefit of the society.

CONTENTS OF THE PROGRAM

1. Introduction to UI/UX Design
2. Introduction to basic data types- Type conversion and variable naming conventions- Simple operations.
3. Operators–Different types of operators- Operator precedence and associativity.
4. Conditional Statements and Loops.
5. Lists and Tuples- Creating and working with lists- tuples and their immutability.
6. Dictionaries and Range- Using dictionaries to store key-value pairs, accessing and modifying values- Functions in Python.

Resource Persons:

Mr. QUDDUS RAHEEM
Project Manager,
EDYGRAD ONE PRIVATE LIMITED, Visakhapatnam.

Organizing Committee:

Mrs.M.Usha
Mrs.K. Sowjanya
Mrs.K. Prasanna Latha
Mr.B.VenkataRao
Mrs. B.Shalini
Mrs. D.Haritha
Mrs. K.Rukmini Durga

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

A Two-Week Value-Added Course on "UI&UX"

05-02-2024 to 16-02-2024

REGISTRATION FORM

1. Name of the Participant :

2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication:

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s):

Date:

Station: Visakhapatnam

Chief Patron : Sri G.Satyanarayana
Chairman

Patron : Prof.V.Sridhar Patnaik
Principal

Convener : A.S.C Tejaswini Kone
CSE HOD

Coordinator : K.Vijay
Assistant Professor

Organizing Committee:

Mrs.K.Rukmini Durga, Assistant Professor
Mrs M.Usha, Assistant Professor
Mrs. D.Haritha, Assistant Professor
Mrs.Shalini Bisaride, Assistant Professor
Mrs.K.Prasanna Latha, Assistant Professor
Mrs G.Annala Devi Assistant Professor
Mrs .N. Tejaswini , Assistant Professor

Advisory Committee:

Mr. P.Prasad (Ph.D), Associate Professor
Mrs. M.Sowjanya, Associate Professor

Registration Details:

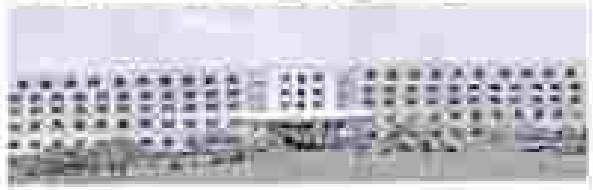
Registration starts from 31-01-2024.

For furtherdetails, contact: K.VIJAY

Contact No. 8074 883 436

A Two-Week Value-Added Course on "UI&UX"

05-02-2024 to 16-02-2024



Organized By

Department of Computer Science And Engineering
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)
18[th]Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA

FEEDBACK FORM

- For each of the following areas, please indicate your reaction

Name of the Student	Course Title	Date
R. Harika	UI & UX	17-2-24

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class.	✓			
2	The instructor was organized, well prepared, and used class time efficiently.		✓		
3	The instructor presented course material in a clear manner that facilitated understanding.	✓			
4	This class has increased my interest in this field of study.		✓		
5	The readings were appropriate to the goals of the course.	✓			
6	I have put a great deal of effort into advancing my learning in this course.		✓		
7	I would highly recommend this course to other students.	✓			
8	The grading practices were fair.	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory
Any Other Suggestion:

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
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(Affiliated to JNTUGV, VIZIANAGARAM)
28th Division, Narava, GVMC, Visakhapatnam-530027
NAAC
A GRADE
ISO
9001:2015
COLLEGE CODE
VSPT

Date:01-03-2024

CIRCULAR

This is to inform all the students of 1st and 2nd year MBA, that a two week certificate program on " **Foreign Institutional Investor (FII) in Indian stock market**" will be conducted on 11-03-2024 To 23-03-2024to enhance your skills, all the students are here by informed to register in their respective programs on 07-03-2024 onwards without fail.

Principal

PRINCIPAL
Visakha Institute of Engg. & Technology
28th Division, Narava, Visakhapatnam-27

IQAC	R&D	CIVIL	EEE	ME/ AME	ECE	CSE	BS&H	MBA	MCA

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

A Two Week Certificate Program on "Foreign Institutional Investor (FII) in Indian stock market"

11-03-2023 to 23-03-2023

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication :

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s) :

Date:

Station: Visakhapatnam

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

Chief Patron : **Sri G.Satyanarayana**
Chairman

Patron : **Dr. V.Sridhar Patnaik**
Principal

Convener : **Dr. A. Tulaseenaidu**
MBA, HOD

Coordinator : **Dr. S. KESHAVNAGU**
Associate Professor

Advisory Committee:

Dr. K. Rajubabu, Associate Professor
Dr. N. Nookaraju, Associate Professor
Mrs. K. Divya, Assistant Professor
Mrs. K. Navya Priya, Assistant Professor
Mrs. G. Kusuma kumari, Assistant Professor
Mr. U. Teja, Assistant Professor

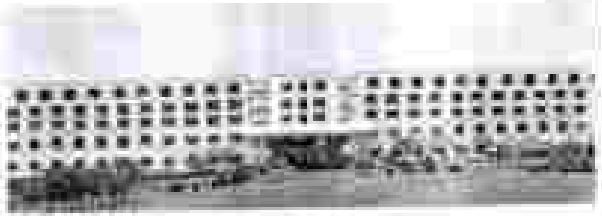
Registration Details: Registration starts from 12-09-2024.

For further details, contact: Dr. S. KESHAVNAGU
9701968383

A Two Week Certificate Program on "Foreign Institutional Investor (FII) in Indian stock market"

11-03-2023 to 23-03-2023

VISAKHA NAAC ISO VSPT



Organized By

Department of Management Business Administration
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)
88[th] Division, Narava

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students.The college is located in serene and pollution free environment at Narava 6 km from Gopalapatnam and Air Port. The campus is spread over 10acres of scenic landscapewhich is an ideal place.

ABOUT THE DEPARTMENT:

The Department of MBA was established in the year 2009. The motto of the department is to excel, to develop creative Managers to a stature that enables them to become global leaders, entrepreneurs, winner and achiever in the global competitive world.

In all aspects of academic and co-curricular activities, department of MBA has contributed much through its committed academic legacy. With infrastructural facilities and also maintaining the department library for the benefits of students in academics. The department offers Post Graduation program with an intake of 180 students with Specialization HR, Finance, Marketing, Logistics, Health care and Hospital Management, Systems, Business Analytics.

ABOUT TWO WEEK CERTIFICATE PROGRAM

This Two week Certificate program **"Foreign Institutional Investor (FII) in Indian stock market"** program deals with: Understanding your leadership style is beneficial in various ways. Firstly, it enables you to provide appropriate guidance and feedback to your employees. Knowing your leadership style allows you to tailor your approach to effectively communicate expectations, support employee growth, and provide constructive employee feedback afterwards. It allows you to recognize your thinking patterns, decision-making processes, and strategies that can be applied when making crucial business decisions.

CONTENTS OF THE PROGRAM

- List of companies listed on the National Stock Exchange of India
- Economy of India
- List of stock exchanges
- Bombay Stock Exchange
- Stock market crashes in India
- List of stock market crashes and bear markets
- Mutual funds in India
- Trading day
- Insider trading
- Risk management
- Financial risk management
- Market manipulation
- Mutural trading
- Clause 49
- Securities and Exchange Board of India

Resource Person:

Dr. G.T.Naidu
Associate Professor
GITAM University
Visakhapatnam

Organizing Committee:

Dr. A. Balasubramanidu, Associate Professor
Dr. K. Rajubabu, Associate Professor
Dr. N. Nookaraju, Associate Professor
Dr. S. Keshavanagu, Associate Professor
Mrs. K. Divya, Assistant Professor
Mrs. K. Navya Priya, Assistant Professor
Mrs. G. Kusuma kumari, Assistant Professor
Mr. U. Teja, Assistant Professor

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUK, KAKINADA)
COLLEGE CODE VSPT

Name of the Program: Two week certificate program on "Foreign Institutional Investor (FII) in Indian stock market"

Date: 11-03-2023 to 23-03-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1.	11-3-2024	Define foreign Institutional Investors
2.	12-3-2024	Explain the stock market
3.	13-3-2024	Hedge funds.
4.	14-3-2024	sovereign wealth funds
5.	15-3-2024	Trusts
6.	16-3-2024	pension funds.
7.	18-3-2024	Asset management companies.
8.	19-3-2024	Different - Types of mutual funds
9.	20-3-2024	types of foreign Investors.
10.	21-3-2024	types of FII companies.
11.	22-3-2024	University funds of Endowment.
12.	23-3-2024	Explain the BSE & NSE.

S Kavitha
PROGRAM CO-ORDINATOR

HOD

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA ENGINEERING COLLEGE

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Certificate of Participation

This is to certify that Mr./Ms./Mrs. A. Anu Keerthana *of* Student *has participated in* ***A Two Week Certificate program on "Foreign Institutional Investor (FII) in Indian stock market"*** *organized by Department of MBA, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India. From* ***11-03-2024 To 23-03-2024***

Program Coordinator
Dr. S. Keshavanagu

HOD
Dr. A. Tulaseenaidu

Principal
Dr. V. Sridhar Patnaik
PRINCIPAL
Visakha Institute of Engg. & Technology
88th Division, Narava, Visakhapatnam-27

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Approved by AICTE NEW DELHI
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COLLEGE CODE
VSPT

Date: 26-03-2024

PROGRAM REPORT

NAME OF THE EVENT	: A Two week Certificate program on **"Foreign Institutional Investor (FII) in Indian stock market"**
DATES	: 11-03-2024 to 23-03-2024
RESOURCE PERSON	: Dr. G.T. Naidu Associate Professor GITAM University, Vijayawada
CONTACT NUMBER	: +91 9000584000
EMAIL ID	: naidugt123@gmail.com
NAME OF THE COORDINATOR	: Dr. Dr. S. KESHAVNAGU
NUMBER OF STUDENTS ATTENDED	: 93
VENUE	: Seminar hall - III
OBJECTIVE OF THE PROGRAM	: The Students will be able to

- Hedge Funds
- Pension Funds
- Mutual Funds
- Investment Banks
- Insurance Companies
- Sovereign Wealth Funds
- Endowments

- **TOPICS COVERED :**
- Hedge funds.
- Sovereign wealth funds.
- Foreign mutual funds.
- Trusts.
- Pension funds.
- Asset Management Companies.
- University funds and endowments.

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Gen Division, Revenue SVMC, Visakhapatnam-530027

NAAC
A+ GRADE

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9001:2015

COLLEGE CODE
VSPT

PROGRAM COORDINATOR

HOD

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAME OF THE PROGRAM: Two week certificate program on "**Foreign Institutional Investor (FII) in Indian stock market**"

DURATION OF THE PROGRAM: 11-03-2024 to 23-03-2024

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	23NT1E0001	CHITRIKA KHUSHI	I Year	MBA	
2	23NT1E0002	DASARI VAMSI	I Year	MBA	
3	23NT1E0003	DULLA NANDINI	I Year	MBA	
4	23NT1E0004	GANGUPAMU MAHESH	I Year	MBA	
5	23NT1E0005	GANTA VIJAY CHANDRA	I Year	MBA	
6	23NT1E0006	GORLE GAYATHRI	I Year	MBA	
7	23NT1E0007	HUKU JITENDRIYA KALYANI	I Year	MBA	
8	23NT1E0008	JAMI MAHESH	I Year	MBA	
9	23NT1E0009	KARRI UDAY KUMAR YADAV	I Year	MBA	
10	23NT1E0010	KELLA KALYANI	I Year	MBA	
11	23NT1E0011	KIRAN MAYI YERRA	I Year	MBA	
12	23NT1E0012	KOMARABATTINI CHARITHA	I Year	MBA	
13	23NT1E0013	KONA SOWMYA	I Year	MBA	
14	23NT1E0014	KOPPISETTY TARUN	I Year	MBA	
15	23NT1E0015	KUCHARLAPATI SRAVANI	I Year	MBA	
16	23NT1E0016	MEESALA JAYAPRAKASH	I Year	MBA	
17	23NT1E0017	PEETHALA AJAYKUMAR	I Year	MBA	
18	23NT1E0018	PENAGANTI RAMESH	I Year	MBA	
19	23NT1E0019	PODILAPU ABHISHEK	I Year	MBA	
20	23NT1E0020	POTLA VENKATA GURU SAI	I Year	MBA	
21	23NT1E0021	SIYYADRI BHANU SIVA PRASAD	I Year	MBA	
22	23NT1E0022	TADDI MANASA	I Year	MBA	

23	23NT1E0023	VADAPALLI MOUNIKA	I Year	MBA	
24	23NT1E0024	VYSYARAJU PRAGATHI	I Year	MBA	
25	23NT1E0025	ADARI DINESH KUMAR	I Year	MBA	
26	23NT1E0026	ADARI MOUNIKA	I Year	MBA	
27	23NT1E0027	ADDALA BHARGAVA SATYA SAI	I Year	MBA	
28	23NT1E0028	ADHIKARI SAI SHANMUKHA RAO	I Year	MBA	
29	23NT1E0029	ALLA MOHAN KUMAR	I Year	MBA	
30	23NT1E0030	ALLU SURYA PRAKASH	I Year	MBA	
31	23NT1E0031	ANGA PRIYANKA	I Year	MBA	
32	23NT1E0032	ANIPEDDI MOHANA ROOPA	I Year	MBA	
33	23NT1E0033	ANDIBOYINA ANIL	I Year	MBA	
34	23NT1E0034	ATHAVA SAI KUMAR	I Year	MBA	
35	23NT1E0035	AVAPATI KUSUMA KUMARI	I Year	MBA	
36	23NT1E0036	BANDARU LALITHA	I Year	MBA	
37	23NT1E0038	BEESETTI LIKHIL	I Year	MBA	
38	22NT1E0002	CHIPPALA DURGA	II Year	MBA	
39	22NT1E0004	DHORA SAI DHARANI	II Year	MBA	
40	22NT1E0005	EDUPOLAPATI ARUNA	II Year	MBA	
41	22NT1E0006	GULLIPALLI YOCHITHA	II Year	MBA	
42	22NT1E0008	KADIAMBALA GANESH	II Year	MBA	
43	22NT1E0009	KAMBAPU PRASAD	II Year	MBA	
44	22NT1E0014	MODILI NANDA GOPAL	II Year	MBA	
45	22NT1E0015	MYLAVARAPU RAMYA	II Year	MBA	
46	22NT1E0016	NEELI ATCHUTA RAO	II Year	MBA	
47	22NT1E0017	PAPPALA VIJAYA	II Year	MBA	
48	22NT1E0018	PUJIGA SATYA KUMARI	II Year	MBA	
49	22NT1E0019	SETTI ANUSHA	II Year	MBA	
50	22NT1E0020	SILAPARASETTI ROHITHA	II Year	MBA	
51	22NT1E0022	VARRI VENKATESH	II Year	MBA	
52	22NT1E0023	SUCHITHA YALLAPI	II Year	MBA	
53	22NT1E0024	AAYUSH SHARMA	II Year	MBA	

54	22NT1E0025	ADIREDDI VAMSI KRISHNA	II Year	MBA	
55	22NT1E0026	A VENKATALAKSHMI	II Year	MBA	
56	22NT1E0027	ALAMOTHU AJAY DATH	II Year	MBA	
57	22NT1E0028	ASI ANU KEERTHANA	II Year	MBA	
58	22NT1E0029	BAGGAM NEELIMA	II Year	MBA	
59	22NT1E0030	BEESETTI PUSHPARAJU	II Year	MBA	
60	22NT1E0031	BEVARA THAVITI NAIDU	II Year	MBA	
61	22NT1E0032	BHAVANA SAI SOWMYA	II Year	MBA	
62	22NT1E0033	B R R M RAO	II Year	MBA	
63	22NT1E0034	BHEEMUNI VINOD	II Year	MBA	
64	22NT1E0035	BHEESETTY GAYATHRI	II Year	MBA	
65	22NT1E0036	BHIMARATHI JYOTHI	II Year	MBA	
66	22NT1E0037	BIKKILU NOOKARAJU	II Year	MBA	
67	22NT1E0038	BIRLANGI RAVI KUMAR	II Year	MBA	
68	22NT1E0039	B CHANDRA SEKHAR	II Year	MBA	
69	22NT1E0040	BOKAM GANESH	II Year	MBA	
70	22NT1E0041	BONGUPILLI SAI KUMAR	II Year	MBA	
71	22NT1E0042	BORA JYOTHI	II Year	MBA	
72	22NT1E0043	B SATYANARAYANA	II Year	MBA	
73	22NT1E0044	BULUSU S V D G SIRISHA	II Year	MBA	
74	22NT1E0045	B MANIKANTHA	II Year	MBA	

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
NAAC
'A' GRADE
ISO
COLLEGE CODE
VSPT

Date: 01.12.2023

CIRCULAR

This is to inform all the students of 1st and 2nd year MBA, that a two week certificate program on "**Leadership styles and their impact on employee motivation**" will be conducted on 04-12-2023 to 16-12-2023 to enhance your skills, all the students are here by informed to register in their respective programs on 03-12-2023 onwards without fail.

Principal

PRINCIPAL
Visakha Institute of Engg. & Technology
68th Division, Narava, Visakhapatnam

IQAC	R&D	CIVIL	EEE	ME/ AME	ECE	CSE	BS&H	MBA	MCA

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)

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CONTENTS OF THE PROGRAM

1. Reflect on Your Values and Beliefs
2. Assess Your Strengths and Weaknesses
3. Consider the Organisational Context
4. Assess the Needs of Your Team
5. Adapt to Situational Demands
6. Seek Feedback and Learn from Experience
7. Pacesetting leadership
8. Coaching Leadership
9. Transformational Leadership

Resource Person:

Dr. K.V. Sivaprasad
Associate Professor
KL University
Vijayawada

Organizing Committee:

Dr. A. Tulasireddy, Associate Professor
Dr. K. Rajababu, Associate Professor
Dr. N. Nookaraju, Associate Professor
Dr. S. Keshavarapu, Associate Professor
Mrs. K. Divya, Assistant Professor
Mrs. K. Navya Priya, Assistant Professor
Mrs. G. Kusuma kumari, Assistant Professor
Mr. U. Teja, Assistant Professor
Mr. G. Rajababu, Assistant Professor

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Narava, Visakhapatnam-530 027.

Visakha Institute of Engineering & Technology

[Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM]

A Two Week Certificate Program on "Arm and Arduino based Programming"

04-12-2023 to 16-12-2023

REGISTRATION FORM

1. Name of the Participant :
2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication:

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s)

Date:

Station: Visakhapatnam

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027

Chief Patron : Sri G.Satyanarayana
Chairman

Patron : Dr.V.Sridhar Patnaik

Convener : Dr. A. Tulasevenaidu
MBA, HOD

Coordinator : Dr. N. Nookaraju
Associate Professor

Advisory Committee:
Dr. K. Rajababu, Associate Professor
Dr. S. Keshavarao, Associate Professor
Mrs. K. Divya, Assistant Professor
Mrs. K. Navya Priya, Assistant Professor
Mrs. G. Kusuma kumari, Assistant Professor
Mr. U. Teja, Assistant Professor
Mr. G. Rajababu, Assistant Professor

Registration Details: Registration starts from 13-10-2023.

For further details, contact: Dr. N. Nookaraju
9160370262

A Two Week Certificate Program on "Arm and Arduino based Programming"

04-12-2023 to 16-12-2023

Organized By

Department of Management Business Administration
Visakha Institute of Engineering & Technology

[Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM]
88th Division, Narava
VISAKHAPATNAM – 530 027

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

Name of the Program: Two week certificate program on "Leadership styles and their impact on employee motivation"

Date: 04-12-2023 to 16-12-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1.	4/12/2023	Explain the leadership styles
2	5/12/2023	Define transformation leadership
3.	6/12/2023	Types of leadership
4.	7/12/2023	characteristics of leadership
5.	8/12/2023	Transaction leadership
6.	9/12/2023	Autocratic leadership
7.	10/12/2023	Authoritative leadership
8.	11/12/2023	Pace-setting leadership
9.	12/12/2023	Democratic leadership
10.	13/12/2023	Coaching leadership
11.	14/12/2023	Affiliative leadership
12.	15/12/2023	Laissez-Faire leadership

PROGRAM CO-ORDINATOR

HOD

VISAKHA

INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027
DIPLOMA ENGINEERING | MANAGEMENT

COLLEGE CODE
VSPT

Certificate of Participation

This is to certify that Mr./Ms./Mrs. G. Gayathri *of* Student *has participated in* ***A Two Week Certificate program on "Leadership styles and their impact on employee motivation"*** *organized by Department of MBA,VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P.State, India, From* ***04-12-2023to16-12-2023***

Program Coordinator
Dr. N. Nookaraju

HOD
Dr. A. Tulaseenaidu

Principal
Dr.V.Sridhar Patnaik

PRINCIPAL
Visakha Institute of Engg & Technology
88th Division, Narava, Visakhapatnam-27

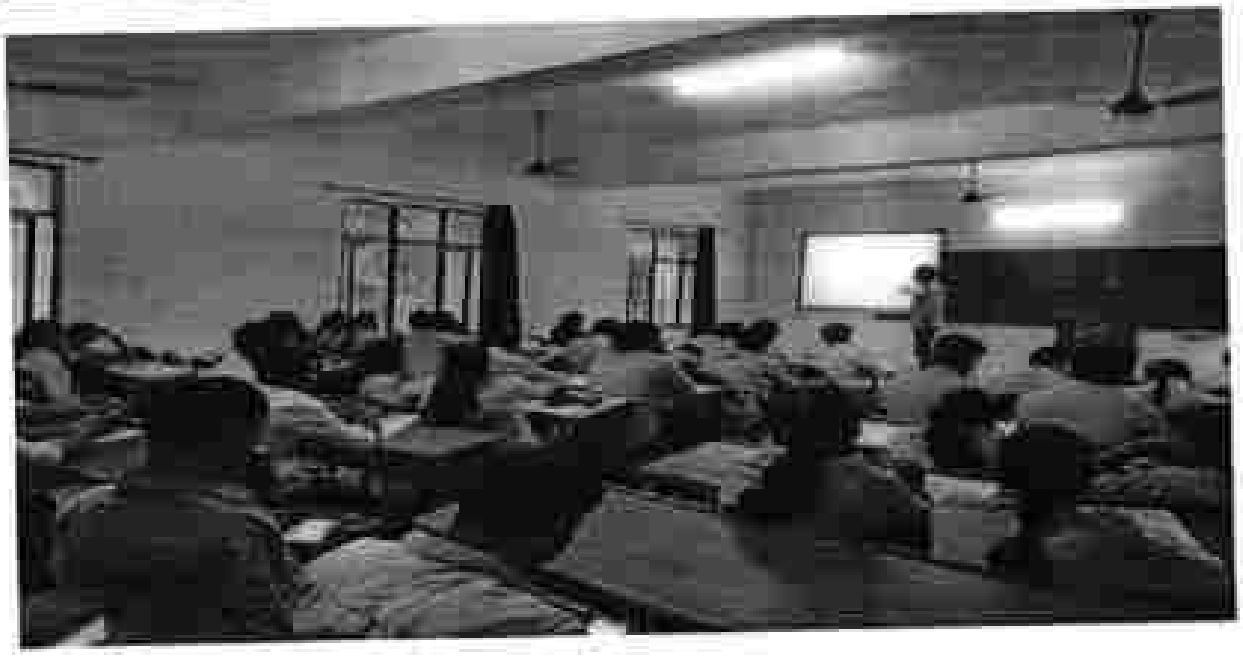
Date: 20-12-2023

PROGRAM REPORT

NAME OF THE EVENT	: A Two week Certificate program on **"Leadership styles and their impact on employee motivation"**
DATES	: 04-12-2023 to 16-12-2023
RESOURCE PERSON	: Dr. K. V. Sivaprasad Associate Professor KL University, Vijayawada
CONTACT NUMBER	: +91 9885997969
EMAIL ID	: sivaprasadkv@gmail.com
NAME OF THE COORDINATOR	: Dr. N. Nuolaraju
NUMBER OF STUDENTS ATTENDED	: 103
VENUE	: Seminar hall - III
OBJECTIVE OF THE PROGRAM	: The Students will be able to

- Job performance and wider organizational performance
- Recruitment and retention
- Work environment and organizational culture
- Job satisfaction and organizational commitment
- Mental health and wellbeing
- Progression and development programmes

- **TOPICS COVERED :**
  1. Transformational leadership
  2. Democratic leadership
  3. Laissez-faire leadership
  4. Transactional leadership
  5. Delegative leadership
  6. Bureaucratic leadership
  7. Charismatic leadership
  8. Situational leadership



PROGRAM COORDINATOR

HOD

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAAC A+ GRADE

ISO

VSPT

NAME OF THE PROGRAM: Two week certificate program on "**Leadership styles and their impact on employee motivation**"

DURATION OF THE PROGRAM: 04-12-2023 to 16-122023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	23NT1E0001	CHITRIKA KHUSHI	I Year	MBA	
2	23NT1E0002	DASARI VAMSI	I Year	MBA	
3	23NT1E0003	DULLA NANDINI	I Year	MBA	
4	23NT1E0004	GANGUPAMU MAHESH	I Year	MBA	
5	23NT1E0005	GANTA VIJAY CHANDRA	I Year	MBA	
6	23NT1E0006	GORLE GAYATHRI	I Year	MBA	
7	23NT1E0007	IRUKU JITENDRIYA KALYANI	I Year	MBA	
8	23NT1E0008	JAMI MAHESH	I Year	MBA	
9	23NT1E0009	KARRI UDAY KUMAR YADAV	I Year	MBA	
10	23NT1E0010	KELLA KALYANI	I Year	MBA	
11	23NT1E0011	KIRAN MAYI YERRA	I Year	MBA	
12	23NT1E0012	KOMARABATTINI CHARITHA	I Year	MBA	
13	23NT1E0013	KONA SOWMYA	I Year	MBA	
14	23NT1E0014	KOPPISETTY TARUN	I Year	MBA	
15	23NT1E0015	KUCHARLAPATI SRAVANI	I Year	MBA	
16	23NT1E0016	MEESALA JAYAPRAKASH	I Year	MBA	
17	23NT1E0017	PEETHALA AJAYKUMAR	I Year	MBA	
18	23NT1E0018	PENAGANTI RAMESH	I Year	MBA	
19	23NT1E0019	PODILAPU ABHISHEK	I Year	MBA	
20	23NT1E0020	POTLA VENKATA GURU SAI	I Year	MBA	
21	23NT1E0021	SIVVADRI BHANU SIVA PRASAD	I Year	MBA	
22	23NT1E0022	TADDEMANASA	I Year	MBA	
23	23NT1E0023	VADAPALLI MOUNIKA	I Year	MBA	

24	23NT1E0024	VYSYARAJU PRAGATHI	I Year	MBA	
25	23NT1E0025	ADARI DINESH KUMAR	I Year	MBA	
26	23NT1E0026	ADARI MOUNIKA	I Year	MBA	
27	23NT1E0027	ADDALA BHARGAVA SATYA SAI	I Year	MBA	
28	23NT1E0028	ADHIKARI SAI SHANMUKHA RAO	I Year	MBA	
29	23NT1E0029	ALLA MOHAN KUMAR	I Year	MBA	
30	23NT1E0030	ALLU SURYA PRAKASH	I Year	MBA	
31	23NT1E0031	ANGA PRIYANKA	I Year	MBA	
32	23NT1E0032	ANIPEDDI MOHANA ROOPA	I Year	MBA	
33	23NT1E0033	ANDIBOYINA ANIL	I Year	MBA	
34	23NT1E0034	ATHAVA SAI KUMAR	I Year	MBA	
35	23NT1E0035	AVAPATI KUSUMA KUMARI	I Year	MBA	
36	23NT1E0036	BANDARU LALITHA	I Year	MBA	
37	23NT1E0038	BEESETTI LIKHIL	I Year	MBA	
38	23NT1E0063	CHELLANGI TARUN	I Year	MBA	
39	23NT1E0054	CHERUGONDI SAILAJA	I Year	MBA	
40	23NT1E0055	CHEVVETI RAVI	I Year	MBA	
41	23NT1E0056	CHINNI ASIRVADAM	I Year	MBA	
42	23NT1E0057	CHINTHA GAYATHRI	I Year	MBA	
43	23NT1E0058	CHODIPALLI MANASSE	I Year	MBA	
44	23NT1E0059	CHOWDARY YUKTHAMUKHI	I Year	MBA	
45	23NT1E0060	CHUKKA JANAKI AVINASH KUMAR	I Year	MBA	
46	23NT1E0061	DANDI LAHARI	I Year	MBA	
47	23NT1E0062	DADALA BHANU SUBHAKAR	I Year	MBA	
48	22NT1E0002	CHIPPALA DURGA	II Year	MBA	
49	22NT1E0004	DHORA SAI DHARANI	II Year	MBA	
50	22NT1E0005	EDUPULAPATI ARUNA	II Year	MBA	
51	22NT1E0006	GULLIPALLI YOCHITHA	II Year	MBA	
52	22NT1E0008	KADHAMBALA GANESH	II Year	MBA	
53	22NT1E0009	KAMBAPU PRASAD	II Year	MBA	
54	22NT1E0014	MODILI NANDA GOPAL	II Year	MBA	
55	22NT1E0015	MYLAVARAPU RAMYA	II Year	MBA	

56	22NT1E0016	NEELI ATCHUTA RAO	II Year	MBA	
57	22NT1E0017	PAPPALA VIJAYA	II Year	MBA	
58	22NT1E0018	PULIGA SATYA KUMARI	II Year	MBA	
59	22NT1E0019	SETTI ANUSHA	II Year	MBA	
60	22NT1E0020	SILAPARASETTI ROHITHA	II Year	MBA	
61	22NT1E0022	VARU VENKATESH	II Year	MBA	
62	22NT1E0023	SUCHITHA YALLAPI	II Year	MBA	
63	22NT1E0024	AAYUSH SHARMA	II Year	MBA	
64	22NT1E0025	ADIREDDI VAMSI KRISHNA	II Year	MBA	
65	22NT1E0026	A VENKATALAKSHMI	II Year	MBA	
66	22NT1E0027	ALAMOTHU AJAY DATH	II Year	MBA	
67	22NT1E0028	ASI ANU KEERTHANA	II Year	MBA	
68	22NT1E0029	BAGGAM NEELIMA	II Year	MBA	
69	22NT1E0030	BEESETTI PUSHPARAJU	II Year	MBA	
70	22NT1E0031	BEVARA THAVITI NAIDU	II Year	MBA	
71	22NT1E0032	BHAVANA SAI SOWMYA	II Year	MBA	
72	22NT1E0033	B R R M RAO	II Year	MBA	
73	22NT1E0034	BHEEMUNI VINOD	II Year	MBA	
74	22NT1E0035	BIDESETTY GAYATHRI	II Year	MBA	
75	22NT1E0036	BHIMARATHI JYOTHI	II Year	MBA	
76	22NT1E0037	BIKKILU NOOKARAJU	II Year	MBA	
77	22NT1E0038	BIRLANGI RAVI KUMAR	II Year	MBA	
78	22NT1E0039	B CHANDRA SEKHAR	II Year	MBA	
79	22NT1E0040	BOKAM GANESH	II Year	MBA	
80	22NT1E0041	BONGUPILLI SAI KUMAR	II Year	MBA	
81	22NT1E0042	BORA JYOTHI	II Year	MBA	
82	22NT1E0043	B SATYANARAYANA	II Year	MBA	
83	22NT1E0044	BULUSU S V D G SIRISHA	II Year	MBA	
84	22NT1E0045	B MANIKANTHA	II Year	MBA	
85	22NT1E0063	GOKADA SAI KUMAR	II Year	MBA	
86	22NT1E0064	GOLLORI KIRANKUMAR	II Year	MBA	

87	22NT1E0065	GONDESI TARUN REDDY	II Year	MBA	
88	22NT1E0066	G RENUKA DEVI SAI	II Year	MBA	
89	22NT1E0067	GUNDA GIRI BABU	II Year	MBA	
90	22NT1E0068	JAKKU UDAY KIRAN	II Year	MBA	
91	22NT1E0069	KANDIVALASA MOUNIKA	II Year	MBA	
92	22NT1E0070	KARRI RANJITH	II Year	MBA	
93	22NT1E0071	K DURGA PRASAD	II Year	MBA	
94	22NT1E0072	KINTHADA SOWMYA	II Year	MBA	
95	22NT1E0073	K GIRISH KUMAR	II Year	MBA	
96	22NT1E0074	KOLIMI KHAJA PEERA	II Year	MBA	
97	22NT1E0075	KOLLI GANESH	II Year	MBA	
98	22NT1E0076	KONA KUSUMA	II Year	MBA	
99	22NT1E0077	KONA PRASANTH KUMAR	II Year	MBA	
100	22NT1E0078	KOSURI SRAVANI	II Year	MBA	
101	22NT1E0079	KUBIREDDY GANESH	II Year	MBA	
102	22NT1E0080	LANDA MUKHENDRA	II Year	MBA	
103	22NT1E0081	L TAGORE BABA			

PROGRAM CO-ORDINATOR

HOD

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)

NAAC

ISO

COLLEGE CODE: VSPT

CIRCULAR

Date: 06-10-2023

The Department of Management studies has planned to conduct Value Added Course from 09-10--2023 to 20-10-2023 for II/I semester students on **"PROFESSIONAL ETHICS"**. The duration of the course is 30 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more. The concerned CCs are asked to urge the students to participate as much as possible.

Mode of Event: Blended (Online & Offline)
Note: Value Added Course is not available in the Curriculum.

Course Coordinator
Mr. Dr. N.NookaRaju

Principal
PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

IQAC	R&D	CIVIL	EEE	ME/ AME	ECE	CSE	BS&H	MBA	MCA

Copy to:

- Chairman
- All Department HOD's
- All Class Advisors
- Notice board _ Class Room
- IQAC

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI,
Affiliated to JNTUGV, VIZIANAGARAM

NAAC ISO VSPT

REQUISITION LETTER

Date: 03-10-2023

From
Mr. A. DULASEENAIDU
Head of the department
Department of Management Studies
Visakha Institute of Engineering & Technology
Narava

To
The Principal
Visakha Institute of Engineering & Technology
Narava

Respected Sir,

Sub: Permission to conduct Value Added Course_Reg-

The academic council members recommended that the Department of Management Studies offer a value-added course during the Academic Year 2023-2024. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Name of the course	Date	Duration in Hours	Availability in Curriculum
PROFESSIONAL ETHICS	09-10-2023 to 20-10-2023	30 Hrs.	No

Thanking You,

Yours faithfully,

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

PROFESSIONAL ETHICS - SYLLABUS

Course Objectives:

- Students will understand the importance of Values and Ethics in their
- Personal lives and professional careers
- The students will learn the rights and responsibilities
- Responsibilities of employee, team member and a global citizen

Course Outcomes: On completion of this course, the students will be able to:

- Understanding basic purpose of profession, professional ethics and various moral and social issues.
- Awareness of professional rights and responsibilities of a Engineer, safety and risk benefit analysis of a Engineer.
- Acquiring knowledge of various roles of Engineer. In applying ethical principles at various professional Levels
- Professional Ethical values and contemporary issues
- Excelling in competitive and challenging environment to contribute to industrial growth

UNIT – I:

Introduction to Professional Ethics: Basic Concepts, Governing Ethics, Personal & Professional Ethics, Ethical Dilemmas, Life Skills, Emotional Intelligence, Thoughts of Ethics, Value Education, Dimensions of Ethics, Profession and professionalism, Professional Associations, Professional Risks, Professional Accountabilities, Professional Success, Ethics and Profession.

UNIT – II:

Basic Theories: Basic Ethical Principles, Moral Developments, Deontology, Utilitarianism, Virtue Theory, Rights Theory, Casuist Theory, Moral Absolutism, Moral Rationalism, Moral Pluralism, Ethical Egoism, Feminist Consequentialism, Moral Issues, Moral Dilemmas, Moral Autonomy.

UNIT – III:

Professional Practices in Engineering: Professions and Norms of Professional Conduct, Norms of Professional Conduct vs. Profession; Responsibilities, Obligations and Moral Values in Professional Ethics, Professional codes of ethics, the limits of professability and responsibilities of the engineering profession, Central Responsibilities of Engineers - The Centrality of Responsibilities of Professional Ethics.

UNIT – IV:

Work Place Rights & Responsibilities, Ethics in changing domains of Research, Engineers and Managers: Organizational Complaint Procedure, Difference of Professional Judgement within the Nuclear Regulatory Commission (NRC), the Hanford Nuclear Reservation, Ethics in changing domains of research.

UNIT–V: Global Issues in Professional Ethics: Introduction – Current Scenario, Technology Globalization of MNCs, International Trade, World Summits, Issues, Business Ethics and Corporate Governance, Sustainable Development Ecosystem, Energy Concerns, Ozone Deflection, Pollution, Ethics in Manufacturing and Marketing, Media Ethics, War Ethics, Bio Ethics, Intellectual Property Rights

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

Name of the Program: Value added course on Ethical Hacking
Duration: 09-10-2023 to 20-10-2023

COURSE SCHEDULE

S.NO	DATE	TOPICS TO BE COVERED
1	09-10-2023	Basic Concepts, Governing Ethics, Personal & Professional Ethics, Ethical Dilemmas, Life Skills, Emotional Intelligence
2	10-10-2023	Profession and professionalism, Professional Associations, Professional Roles, Professional Accountabilities, Professional Success, Ethics and Profession.
3	11-10-2023	Basic Ethical Principles, Moral Developments, Deontology, Utilitarianism, Virtue Theory, Rights Theory, Casuist Theory
4	12-10-2023	Moral Absolutism, Moral Rationalism, Moral Pluralism,
5	13-10-2023	Professions and Norms of Professional Conduct, Norms of Professional Conduct vs. Profession
6	16-10-2023	The Centrality of Responsibilities of Professional Ethics: lessons from 1979 American Airlines DC-10 Crash and Kansas City Hyatt Regency Walk away Collapse.
7	17-10-2023	Work Place Rights & Responsibilities, Ethics in changing domains of Research, Engineers
8	18-10-2023	the Nuclear Regulatory Commission (NRC), the Hanford Nuclear Reservation. Ethics in changing domains of research
9	19-10-2023	Wireless Hacking – Introducing Air crack- Cracking the WEP – Cracking a WPA/WPA2 Wireless Network Using Aircrack-ng – Evil Twin Attack
10	20-10-2023	Ethics in Manufacturing and Marketing, Media Ethics: War Ethics: Bio-Ethics, Intellectual Property Rights

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

NAME OF THE PROGRAM: Value added course on "PROFESSIONAL ETHICS"

DURATION OF THE PROGRAM: 09-10-2023 to 20-10-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
1	22NT1E0002	CHIPPALA DURGA	II Year	MBA	
2	22NT1E0004	DHORA SAI DHARANI	II Year	MBA	
3	22NT1E0005	EDUPULAPATI ARUNA	II Year	MBA	
4	22NT1E0006	GUELIPALLI YOCHITHA	II Year	MBA	
5	22NT1E0008	KADHAMBALA GANESH	II Year	MBA	
6	22NT1E0009	KAMBAPU PRASAD	II Year	MBA	
7	22NT1E0014	MOBILI NANDA GOPAL	II Year	MBA	
8	22NT1E0015	MYLAVARAPU RAMYA	II Year	MBA	
9	22NT1E0016	NEELI ATCHUTA RAO	II Year	MBA	
10	22NT1E0017	PAPPALA VIJAYA	II Year	MBA	
11	22NT1E0018	PULIGA SATYA KUMARI	II Year	MBA	
12	22NT1E0019	SETTI ANUSHA	II Year	MBA	
13	22NT1E0020	SILAPARASETTI ROHITHA	II Year	MBA	
14	22NT1E0022	VARRI VENKATESH	II Year	MBA	
15	22NT1E0023	SUCHITHA YALLAPI	II Year	MBA	
16	22NT1E0024	AAYUSH SHARMA	II Year	MBA	
17	22NT1E0025	ADIREDDI VAMSI KRISHNA	II Year	MBA	
18	22NT1E0026	A VENKATALAKSHMI	II Year	MBA	
19	22NT1E0027	ALAMOTHU AJAY DATH	II Year	MBA	

NAME OF THE PROGRAM: Value added course on "PROFESSIONAL ETHICS"

DURATION OF THE PROGRAM: 09-10-2023 to 20-10-2023

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	SIGNATURE
20	22NT1E0028	ASI ANU KEERTHANA	II Year	MBA	A Anu Keerthana
21	22NT1E0029	BAGGAM NEELIMA	II Year	MBA	B. Neelima
22	22NT1E0030	BHESHTI PUSHPARAJU	II Year	MBA	B. Pushpa
23	22NT1E0031	BEVARA THAVITI NAIDU	II Year	MBA	B. THAVITI NAIDU
24	22NT1E0032	BHAVANA SAI SOWMYA	II Year	MBA	B. Sai Sowmya
25	22NT1E0033	B R R M RAO	II Year	MBA	B r m rao
26	22NT1E0034	BHEEMUNI VINOD	II Year	MBA	B. Bheemuni Vinod
27	22NT1E0035	BHEESETTY GAYATHRI	II Year	MBA	B. Gayathri
28	22NT1E0036	BHIMARATHI JYOTHI	II Year	MBA	B. Jyothi
29	22NT1E0037	BIKKILU NOOKARAJU	II Year	MBA	B. Nookaraju
30	22NT1E0038	BIRLANGI RAVI KUMAR	II Year	MBA	B. Ravi Kumar
31	22NT1E0039	B CHANDRA SEKHAR	II Year	MBA	B. Chandra Sekhar
32	22NT1E0040	BOKAM GANESH	II Year	MBA	B. ganesh
33	22NT1E0041	BONGUPILLI SAI KUMAR	II Year	MBA	B. Sai Kumar
34	22NT1E0042	BORA JYOTHI	II Year	MBA	B. Jyothi
35	22NT1E0043	B SATYANARAYANA	II Year	MBA	B. Satyanarayana
36	22NT1E0044	BULUSU S V D G SIRISHA	II Year	MBA	
37	22NT1E0045	BYPINA KOTI SAI MANIKANTHA	II Year	MBA	B. Koti sai Manikantha
38	22NT1E0046	CH S MURALIBABU KOTTURU	II Year	MBA	Ch. Murali Babu
39	22NT1E0047	CHARAPARA LOKESH VENKATA SATYA PRAKASH	II Year	MBA	Ch. Lokesh
40	22NT1E0048	CHERKATI HARISH	II Year	MBA	C. Harish
41	22NT1E0049	CHINTAKAYALA ALEKHYA	II Year	MBA	C. Alekhya

42	22NT1E0050	CHINTALA SATYA	II Year	MBA	
43	22NT1E0051	CHINTALAPUDI BHARGAVI	II Year	MBA	
44	22NT1E0052	CHIRUKOTI NARESH	II Year	MBA	
45	22NT1E0053	CHITTIBORNA ANIL	II Year	MBA	
46	22NT1E0054	CHITTURI LAKSHMI PRIYANKA	II Year	MBA	
47	22NT1E0055	CHOLLANGI BALAJI	II Year	MBA	
48	22NT1E0056	CHUKKA MAHESH	II Year	MBA	
49	22NT1E0057	DASARI ANAND DORA	II Year	MBA	
50	22NT1E0058	DESAMSETTY KASUBABU	II Year	MBA	
51	22NT1E0059	DOLAI HARIKA	II Year	MBA	
52	22NT1E0060	GANUGULA SRAVANI	II Year	MBA	
53	22NT1E0061	GEDELA GANESH	II Year	MBA	
54	22NT1E0062	GOGADA MADHU	II Year	MBA	
55	22NT1E0063	GOKADA SAI KUMAR	II Year	MBA	
56	22NT1E0064	GOLLORI KIRANKUMAR	II Year	MBA	
57	22NT1E0065	GONDERI TARUN REDDY	II Year	MBA	
58	22NT1E0066	GUBBALA RENUKA DEVI SAI	II Year	MBA	
59	22NT1E0067	GUNDA GIRI BABU	II Year	MBA	
60	22NT1E0068	JAKKU UDAY KIRAN	II Year	MBA	

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-530 027.

NAME OF THE PROGRAM: Value added course on PROFESSIONAL ETHICS

DURATION OF THE PROGRAM: 09-10-2023 to 20-10-2023

MARKS STATEMENT & CO'S ATTAINMENT

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & CO'S OBTAINED
1	22NT1E0002	CHIPPALA DURGA	II Year	MBA	A+
2	22NT1E0004	DHORA SAI DHARANI	II Year	MBA	O
3	22NT1E0005	EDUPULAPATI ARUNA	II Year	MBA	O
4	22NT1E0006	GUILIPALLI YOCHITHA	II Year	MBA	O
5	22NT1E0008	KADHAMBALA GANESH	II Year	MBA	O
6	22NT1E0009	KAMBAPU PRASAD	II Year	MBA	O
7	22NT1E0014	MEDURI NANDA GOPAL	II Year	MBA	O
8	22NT1E0015	MYLAVARAPU RAMYA	II Year	MBA	O
9	22NT1E0016	NEELLATCHUTA RAO	II Year	MBA	A+
10	22NT1E0017	PAPPALA VIJAYA	II Year	MBA	O
11	22NT1E0018	PULIGA SAJYA KUMARI	II Year	MBA	A+
12	22NT1E0019	SETTI ANUSHA	II Year	MBA	O
13	22NT1E0020	SILAPARASETTI ROHITHA	II Year	MBA	O
14	22NT1E0022	VASIREDDI VENKATESH	II Year	MBA	O
15	22NT1E0023	SUCHITHA VALLAPI	II Year	MBA	O
16	22NT1E0024	AAYUSH SHARMA	II Year	MBA	O
17	22NT1E0025	ADIREDDY VAMSI KRISHNA	II Year	MBA	O
18	22NT1E0026	A VENKATALAKSHMI	II Year	MBA	O
19	22NT1E0027	ALAMOTHU AJAY DATH	II Year	MBA	O
20	22NT1E0028	ASLANI SREETHANA	II Year	MBA	A+
21	22NT1E0029	BAGGAM NEELIMA	II Year	MBA	O
22	22NT1E0030	BEESETTI PUSHPARAJU	II Year	MBA	O
23	22NT1E0031	BEVARA THAVITI NAIDU	II Year	MBA	O
24	22NT1E0032	B SAI SOWMYA	II Year	MBA	O

S.NO	ROLL NO	NAME OF THE STUDENT	YEAR	BRANCH	MARKS & GD'S OBTAINED
25	22NT1E0033	B R R M RAO	II Year	MBA	O
26	22NT1E0034	BHEEMUNI VINOD	II Year	MBA	O
27	22NT1E0035	BHEESETTY G AYATHRI	II Year	MBA	O
28	22NT1E0036	BHIMARATHI JYOTHI	II Year	MBA	O
29	22NT1E0037	BIKKILI NOOKARAJU	II Year	MBA	O
30	22NT1E0038	BIRLANGI RAVI KUMAR	II Year	MBA	O
31	22NT1E0039	B CHANDRA SEKHAR	II Year	MBA	O
32	22NT1E0040	BOKAM GANESH	II Year	MBA	A+
33	22NT1E0041	BONGUPILLI SAI KUMAR	II Year	MBA	O
34	22NT1E0042	BORA JYOTHI	II Year	MBA	O
35	22NT1E0043	B SATYANARAYANA	II Year	MBA	O
36	22NT1E0044	BULUSU S V D G SIRISHA	II Year	MBA	A+
37	22NT1E0045	BYPINA KOTI SAI MANIKANTHA	II Year	MBA	O
38	22NT1E0046	CH S MURALIBABU KOTTURU	II Year	MBA	O
39	22NT1E0047	CHARAPAKA LOKESH VENKATA SATYA PRAKASH	II Year	MBA	A+
40	22NT1E0048	CHEEKATI HARISH	II Year	MBA	O
41	22NT1E0049	CHINTAKAYALA ALEKHYA	II Year	MBA	O
42	22NT1E0050	CHINTALA SATYA	II Year	MBA	O
43	22NT1E0051	CHINTALAPUDI BHARGAVI	II Year	MBA	O
44	22NT1E0052	CHIRUKOTI NARESH	II Year	MBA	O
45	22NT1E0053	CHITTIBOINA ANIL	II Year	MBA	O
46	22NT1E0054	CHITTURI LAKSHMI PRIYANKA	II Year	MBA	O
47	22NT1E0055	CHOLLANGI BALAJI	II Year	MBA	O
48	22NT1E0056	CHUKKA MAHESH	II Year	MBA	O

49	22NT1E0057	DASARI ANAND DORA	II Year	MBA	A+
50	22NT1E0058	DESAMSETTY KASUBABU	II Year	MBA	O
51	22NT1E0059	DOLAI HARIKA	II Year	MBA	O
52	22NT1E0060	GANUGULA SRAVANI	II Year	MBA	O
53	22NT1E0061	GEDELA GANESH	II Year	MBA	O
54	22NT1E0062	GOGADA MADHU	II Year	MBA	O
55	22NT1E0063	GOKADA SAI KUMAR	II Year	MBA	O
56	22NT1E0064	GOLLORI KIRANKUMAR	II Year	MBA	A+
57	22NT1E0065	GONDESI TARUN REDDY	II Year	MBA	O
58	22NT1E0066	GUBBALA RENUKA DEVI SAI	II Year	MBA	O
59	22NT1E0067	GUNDA GIRI BABU	II Year	MBA	O
60	22NT1E0068	JAKKU UDAY KIRAN	II Year	MBA	O
No. of students getting more than A+					**48**
% of students getting more than A+					**83%**

O: 20-25 M A+: 15-19 M A: 10-14 M B+: 5-9 M B: 1-4 M

CO - ATTAINMENT: Course is successfully completed with Attainment-2

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Kommadi, Visakhapatnam-530 027.

RUBRICS

ASSESSMENT LEVEL	CO'S PERCENTAGE	PERFORMANCE	REMARKS
Level 1	90-100%	Excellent	All important info adequately delivered and shows proficient understanding of the subject matter
Level 2	80-90%	Very good	Most of the important info are delivered and shows adequate understanding of the subject matter
Level 3	70-80%	Good	Some of the important info are delivered and shows a basic understanding of the subject matter
Level 4	50-70%	Needs work	Some of the important info are delivered but doesn't show adequate understanding of the subject matter
Level 5	< 50%	Poor	None of the important info are delivered and failed to show an understanding of the subject matter

VISAKHA NAAC ISO VSPT

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DEPARTMENT OF MANAGEMENT STUDIES

ASSIGNMENT SHEET

Year/SEM: I/I
Course Type: VALUE ADDED COURSE
Course Name: PROFESSIONAL ETHICS
A.Y: 2023-2024
Branch: MBA
Duration: 30 Mins
Maximum Marks: 25 M
H.T.No

2	2	N	T	1	E	0	9	2	2

Marks Obtained 23

- ANSWER ALL THE QUESTIONS
- EACH QUESTION CARRIES 1 MARKS

S.NO	QUESTIONS	ANSWERS
1	What are professional ethics? A. A set of legal rules B. Ethical guidelines for a specific profession C. Personal moral beliefs D. Government regulations	B
2	Which of the following is NOT a fundamental ethical principle in professional ethics? A. Honesty B. Integrity C. Profit maximization D. Accountability	C
3	What is the main purpose of professional codes of ethics? A. To maximize profits B. To promote competition C. To minimize competition D. To guide behavior	B
4	Which ethical principle emphasizes fairness and impartiality? A. Honesty B. Confidentiality C. Justice D. Transparency	C
5	In professional ethics, what does "conflict of interest" refer to? A. A situation where two professionals disagree B. A conflict between personal interests and professional duties C. A conflict between clients and firms D. A situation involving legal disputes	B
6	Whistleblowing is an example of: A. Professional misconduct B. Encouraging confidentiality C. Supporting unethical behaviour D. Ethical professionalism	C
7	Which of the following is NOT a typical ethical dilemma in the workplace? A. Deciding who to promote or assign B. Allocating limited resources C. Balancing personal and public duties D. Choosing between conflicting business options	A
8	A professional's duty to keep confidential client information is based on the principle of: A. Honesty B. Integrity C. Confidentiality D. Accountability	C
9	Which of the following is a common ethical concern in the food profession? A. Ensuring product quality B. Protecting client confidentiality C. Environmental responsibility D. Profit maximization	B
10	Which ethical principle emphasizes being truthful and straightforward in professional dealings? A. Integrity B. Confidentiality C. Responsibility D. Accountability	A

11	What is the primary focus of professional ethics? A. Maximizing profits B. Minimizing risks C. Serving the public interest D. Promoting competition	C
12	Which of the following is an example of an ethical issue in the field of psychology? A. Maximizing advertising revenue B. Misrepresenting test results C. Protecting clients' confidentiality D. Offering psychology services	B
13	What is "plagiarism" in the context of professional ethics? A. A form of ethical leadership B. Failing to cite sources properly C. Encouragement of ethical conduct D. A type of compliment	B
14	In professional ethics, what does "informed consent" mean? A. Making decisions without any information B. Obtaining permission from a supervisor C. Providing comprehensive information to clients or patients to make informed decisions D. Ignoring risks or potential consequences	C
15	Which of the following is NOT an ethical concern in the field of engineering? A. Environmental impact B. Ensuring public safety C. Maximizing personal profitability D. Ethical handling of materials	C
16	What is the primary duty of a professional code of ethics in any field? A. Ensure compliance with the law B. Protect the interests of the professional C. Guide ethical behavior and decision-making D. Promote competition	C
17	A conflict of interest can be avoided by: A. Ignoring it B. Disclosing any conflicts and seeking guidance C. Hiding information from others D. Pursuing personal interests	B
18	Which of the following is NOT a characteristic of professional ethics? A. Exploitation B. Accountability C. Transparency D. Profit maximization	A
19	The principle of "fiduciary duty" is most relevant to which profession? A. Accounting B. Medicine C. Law D. Teaching	B
20	Which of the following is an example of an ethical issue in the field of computer science? A. Optimizing code for performance B. Protecting user privacy and data security C. Maximizing software profitability D. Reducing coding complexity	C
21	What does "due diligence" mean in professional ethics? A. Rushing to complete a task B. Exercising care and thoroughness in decision-making and actions C. Ignoring ethical considerations D. Maximizing profit	C
22	Which ethical principle emphasizes being responsible for one's actions and decisions? A. Honesty B. Integrity C. Responsibility D. Accountability	C
23	A conflict of interest can arise when a professional: A. Maximizes profits at the expense of clients or stakeholders B. Upholds the highest ethical standards C. Maintains trust D. Avoids making difficult decisions	C
24	In professional ethics, what is meant by "accountability"? A. Doing as one likes without concern B. Maximizing profits C. Avoiding close supervision D. Achieving personal goals	A
25	Which of the following is NOT a consequence associated with unethical ethics? A. Reputation B. Transparency C. Public trust and confidence D. Loss of confidence	B

PRINCIPAL
VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY

DEPARTMENT OF MANAGEMENT STUDIES

VALUE ADDED COURSE - REPORT

A.Y 2023-2024

Course Name	: PROFESSIONAL ETHICS
Course duration	: 30 Hours
Year Offered	: II-I Students
Course Coordinator	: Dr. N. NeelkaRaju
Curriculum Relevance	: Not available in Curriculum
Number of students enrolled	: 60
Number of students Appeared	: 60
Number of students Passed	: 60

COURSE OUTCOMES

Students in the course obtain the following outcomes.

- Understanding basic purpose of profession, professional ethics and various moral and social issues.
- Awareness of professional rights and responsibilities of a Engineer, safety and risk benefit analysis of a Engineer.
- Acquiring knowledge of various roles of Engineer. In applying ethical principles at various professional Levels
- Professional Ethical values and contemporary issues
- Excelling in competitive and challenging environment to contribute to industrial growth.

ASSESSMENT MODE

Scheme of Exam: MCQ Type

Date of Exam: 25-10-2023

COURSE OUTCOME ATTAINMENT

Course is successfully completed with the Attainment Level 2

PROGRAM CO-ORDINATOR

HOD

FEEDBACK FORM

Name of the Student	Course Title	Date
K. Prasad	PROFESSIONAL ETHICS	25/10/23

- For each of the following areas, please indicate your reaction

S.NO	QUESTIONS	Grading Level			
		4	3	2	1
1	The instructor was well prepared for class	✓			
2	The instructor was organized, well prepared, and used class time efficiently.		✓		
3	The instructor presented course material in a clear manner that facilitated understanding		✓		
4	This class has increased my interest in this field of study	✓			
5	The readings were appropriate to the goals of the course.		✓		
6	I have put a great deal of effort into advancing my learning in this course	✓			
7	I would highly recommend this course to other students		✓		
8	The grading practices were fair.	✓			

Grading Level: 4: Very Good, 3: Good, 2: Fair, 1: Satisfactory

Any Other Suggestion:

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Narava, Visakhapatnam-535 027.

45	22NT1E0053	CHITTIBOINA ANIL	P	P	P	P	P	P	P	P	P	P	10
46	22NT1E0054	CHITTURI LAKSHMI PRIYANKA	P	P	P	P	P	P	A	P	P	P	09
47	22NT1E0055	CHOLLANGI BALAJI	P	P	P	P	P	P	P	P	P	P	10
48	22NT1E0053	CHUKKA MAHESH	P	P	P	P	P	P	P	P	P	P	10
49	22NT1E0054	DASARI ANAND DORA	P	P	P	P	A	P	P	P	P	P	09
50	22NT1E0055	DESAMSETTY KASIBABU	P	P	P	P	P	P	A	P	P	P	09
51	22NT1E0053	DOLAI HARIKA	P	P	P	P	P	P	P	P	P	P	10
52	22NT1E0054	GANEGULA SRAVANI	P	P	P	P	P	P	P	P	P	P	10
53	22NT1E0055	GEDELA GANESH	P	P	P	P	P	A	P	P	P	P	09
54	22NT1E0053	GOGADA MADHU	P	P	P	P	P	A	P	P	P	P	09
55	22NT1E0054	GOKADA SAI KUMAR	P	P	P	P	P	P	P	P	P	P	10
56	22NT1E0055	GOLLORI KIRANKUMAR	P	P	P	A	P	P	P	P	P	P	09
57	22NT1E0053	GONDESI TARUN REDDY	P	P	P	P	P	A	P	P	P	P	09
58	22NT1E0054	GUDIBALA RENUKA DEVI SAI	P	P	P	P	A	P	P	P	P	P	09
59	22NT1E0055	GUNDA GIRI BABU	P	P	P	P	P	P	A	P	P	P	09
60	22NT1E0053	JAKKU UDAY KIRAN	P	P	P	P	P	P	P	P	P	P	10
		Total no. of students	60	60	60	60	60	60	60	60	60	60	
		No. of students present	60	60	60	57	57	56	54	58	60	60	
		No. of students absent	NIL	NIL	NIL	03	03	04	06	02	NIL	NIL	
		Signature of the staff											

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL
VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
Visakhapatnam-535 005

NAME OF THE PROGRAM: Value added course on "PROFESSIONAL ETHICS"

DURATION OF THE PROGRAM: 09-10-2023 to 20-10-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
			9/oct	10/oct	11/oct	12/oct	13/oct	16/oct	17/oct	18/oct	19/oct	20/oct	
1	22NT1E0002	CHIPPALA DURGA	P	P	P	P	P	P	P	P	P	P	10
2	22NT1E0004	DHORA SAI DHARANI	P	P	P	P	P	P	P	P	P	P	10
3	22NT1E0005	EDUPULAPATI ARUNA	P	P	P	P	P	P	P	P	P	P	10
4	22NT1E0006	GULLIPALLI YOGITHA	P	P	P	P	P	P	P	P	P	P	10
5	22NT1E0008	KADHAMBALA GANESH	P	P	P	P	P	P	A	P	P	P	09
6	22NT1E0009	KAMBAPU PRASAD	P	P	P	P	P	A	P	P	P	P	09
7	22NT1E0014	MODILI NANDA GOPAL	P	P	P	P	P	P	P	P	P	P	10
8	22NT1E0015	MYLAVARAPU RAMYA	P	P	P	P	P	P	P	P	P	P	10
9	22NT1E0016	NEELIATCHUTA RAO	P	P	P	A	P	P	P	P	P	P	09
10	22NT1E0017	PAPPALA VIJAYA	P	P	P	P	P	P	P	P	P	P	10
11	22NT1E0018	PULIGA SATYA KUMARI	P	P	P	P	P	P	P	P	P	P	10
12	22NT1E0019	SETTI ANUSHA	P	P	P	P	P	P	P	P	P	P	10
13	22NT1E0020	SILAPARASETTI ROHITHA	P	P	P	P	P	P	P	P	P	P	10
14	22NT1E0022	VARRI VENKATESH	P	P	P	P	P	P	A	P	P	P	10
15	22NT1E0023	SUCHITHA YALLAPI	P	P	P	P	P	P	P	P	P	P	10
16	22NT1E0024	AAYUSH SHARMA	P	P	P	P	P	P	P	P	P	P	10
17	22NT1E0025	ADIREDDI VAMSI KRISHNA	P	P	P	P	P	P	P	P	P	P	10
18	22NT1E0026	A VENKATALAKSHMI	P	P	P	P	P	P	P	P	P	P	10
19	22NT1E0027	ALAMOTHU AJAY DATH	P	A	P	P	P	P	P	P	P	P	09
20	22NT1E0028	ASI ANU KEERTHANA	P	P	P	P	P	P	P	P	P	P	10
21	22NT1E0029	BAGGAM NEELIMA	P	P	P	P	P	P	P	P	P	P	10
22	22NT1E0030	BHESETTI PUSHPARAJU	P	P	P	P	P	A	P	P	P	P	09
23	22NT1E0031	MALLA LIKHITH KUMAR	P	P	P	P	P	P	P	P	P	P	10
24	22NT1E0032	MARRI SAIGURUMA	P	P	P	P	P	A	P	P	P	P	09

NAME OF THE PROGRAM: Value added course on "PROFESSIONAL ETHICS"

DURATION OF THE PROGRAM: 09-10-2023 to 20-10-2023

S.NO	ROLL NO	STUDENT NAME	DAY WISE ATTENDANCE SHEET										TOTAL
			09/10	10/10	11/10	12/10	13/10	14/10	15/10	16/10	17/10	18/10	
25	22NTIE0033	B R R M RAO	P	P	P	P	P	A	P	P	P	P	09
26	22NTIE0034	BHEEMINI VINOD	P	P	P	P	P	P	P	A	P	P	10
27	22NTIE0035	BHEESETTY GAYATHRI	P	P	P	P	P	P	P	P	P	P	10
28	22NTIE0036	BHIMARATHI JYOTHI	P	P	P	P	P	P	P	P	P	P	10
29	22NTIE0037	BIKKULU SOOKARAJU	P	P	P	P	P	P	P	P	P	P	10
30	22NTIE0038	BHILANGI RAVI KUMAR	P	P	P	P	P	P	A	P	P	P	09
31	22NTIE0039	B CHANDRA SEKHAR	P	P	P	P	P	P	P	P	P	P	10
32	22NTIE0040	BOKAM GANESH	P	P	P	P	P	P	P	P	P	P	10
33	22NTIE0041	BONGUPILLI SAI KUMAR	P	P	P	P	P	P	P	P	P	P	10
34	22NTIE0042	BORA JYOTHI	P	P	P	P	P	P	P	P	P	P	10
35	22NTIE0043	B SATYANARAYANA	P	P	P	P	A	P	P	P	P	P	09
36	22NTIE0044	BURUSU S V D G SIRISHA	P	P	P	P	P	P	P	P	P	P	10
37	22NTIE0045	BYPINA KOTI SAI MANIKANTHA	P	P	P	P	P	A	P	P	P	P	09
38	22NTIE0046	CH S MURALIBABU KOTTURU	P	P	P	P	P	P	P	P	P	P	10
39	22NTIE0047	CHARAPAKA LOKESH VENKATA SATYA PRAKASH	P	P	P	P	P	P	P	P	P	P	10
40	22NTIE0048	CHEEKATI HARISH	P	P	P	P	P	A	P	P	P	P	09
41	22NTIE0049	CHINTAKAYALA ALEKHYA	P	P	P	P	P	P	P	P	P	P	10
42	22NTIE0050	CHINTALA SATYA	P	P	P	P	P	P	P	P	P	P	10
43	22NTIE0051	CHINTALAPUDI BHARGAVI	P	P	P	P	P	A	P	P	P	P	09
44	22NTIE0052	CHNARESH	P	P	P	P	P	P	P	A	P	P	09

Visakha Institute of Engineering & Technology

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A Two-Week Value-Added Course on "PROFESSIONAL ETHICS"

09-10-2023 to 20-10-2023

REGISTRATION FORM

1. Name of the Participant :

2. Name of the Institute :
3. Address of the Institute :
4. Affiliated to :
5. Address for Communication:

6. Contact No. :
7. E-Mail Id :
8. Signature of the Participant(s):

Date:

Station: Visakhapatnam

Chief Patron : Sri G.Satyanarayana
Chairman

Patron : Dr.V.Sridhar Patnaik
Principal

Convener : Dr. A. Tulaseennaidu
MBA, HOD

Coordinator : Dr. N.NOOKARAJU

Organizing Committee:

Dr. A. Tulaseennaidu, Associate Professor
Dr. N. Nookaraju, Associate Professor
Dr. S. Keshavanagu, Associate Professor
Mrs. K. Divya, Assistant Professor

Advisory Committee:

Dr. K. Rajubabu, Associate Professor
Mrs. K. Navya Priya, Assistant Professor
Mrs. G. Kusuma kumari, Assistant Professor
Mr. U. Teja, Assistant Professor

Registration Details: Registration starts from 05-10-2023.

For further details, contact:

Dr.N.NOOKARAJU,

Contact No. 9160370262

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Narava, Visakhapatnam-531 027

A Two-Week Value-Added Course on "PROFESSIONAL ETHICS"

09-10-2023 to 20-10-2023

VISAKHA NAAC ISO VSPT

Organized By

Department of Management Studies
Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, VIZIANAGARAM)
88[th]Division, Narava
VISAKHAPATNAM – 530 027
Andhra Pradesh, INDIA.

Visakha Institute of Engineering & Technology

(Approved by AICTE, New Delhi & Affiliated to JNTUGV, Vizianagaram)

Visakha Institute of Engineering &Technology was established in the year 2008, with the sole ambition of giving good and purposeful education to the students. Our students made a mark of excellence by giving the best performance and brought many laurels to this institution. We strongly believe that it was achieved by the students with the support and guidance of efficient teaching faculty, which we are proud and committed to one cause that is to create and develop educational facilities, in order to train deserving young students.The college is located in serene and pollution free environment at Narava 6 km from Gopalapattnam and Air Port. The campus is spread over 10acres of scenic landscapewhich is an ideal place.

ABOUT THE DEPARTMENT:

The Department of MBA was established in the year 2009. The motto of the department is to excel, to develop creative Managers to a stature that enables them to become global leaders, entrepreneurs, winner and achiever in the global competitive world.

In all aspects of academic and co-curricular activities, department of MBA has contributed much through its committed academic legacy. With infrastructural facilities and also maintaining the department library for the benefits of students in academics. The department offers Post Graduation program with an intake of 180 students with Specialization HR, Finance, Marketing, Logistics, Health care and Hospital Management, Systems, Business Analytics.

ABOUT TWO-WEEK VALUE-ADDED COURSE

This Two-week Value-Added Course on **"PROFESSIONAL ETHICS"** deals with basics of ethical hacking and different techniques related to ethical hacking. Students will be able to learn the core concepts of ethical hacking like different types of malware attacks and how to detect and prevent them. Understand concepts like foot-printing & Scanning. At the end of the course student will be able to gain knowledge on good hacking techniques that are useful for the benefit of the society.

CONTENTS OF THE PROGRAM

1. Ethical principles.
2. Accountability.
3. Regulatory compliance.
4. Ethical behavior.
5. Integrity and honesty
6. Trustworthiness.
7. Consider your relationships.
8. Transparency
9. Accountability
10. confidentiality

Professional

Resource Persons:

Dr. G.T.Naidu
Associate Professor
GITAM University
Visakhapatnam

Dr. A. Tulasee Naidu
Associate Professor
Department of management studies
Visakha Institute of Engineering &Technology

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VISAKHA INSTITUTE OF
ENGINEERING & TECHNOLOGY
Narava, Visakhapatnam-535 221.

VISAKHA
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE NEW DELHI
(Affiliated to JNTUGV, VIZIANAGARAM)
88th Division, Narava, GVMC, Visakhapatnam-530027

NAAC 'A' GRADE

ISO 9001:2015

COLLEGE CODE VSPT

Certificate of Participation

This is to certify that Mr. /Ms. /Mrs. .....of ..... has participated in a ***Two-week Value-Added Course*** *on "PROFESSIONAL ETHICS", Organized by Department of Electronics and Communication Engineering, VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY, Narava, 88th division, Visakhapatnam, A.P. State, India, during* ***09-10-2023 to 20-10-2023.***

Program Coordinator
Dr.N.NOOKARAJU

HOD
Dr.A. TULASEENAIDU

Principal
Dr. Shekhar Puthbik