1.2.1 Number of value added course /Certificate programs offered during Academic Year: 2020-2021

1.2.2 Number of students enrolled in Certificate/ Value added course as against the total number of students during the year: - 2020-2021

INDEX

S.NO	DESCRIPTION	PAGE NO.
1	Computational Geometry In A Data Structures VAC/CSE/001	3-16
2	Trends of Cyber Security VAC/CSE/002	17-30
3	Recent Trends And Challenges VAC/CSE/003	31-45
4	Design Of Iot Applications VAC/CSE/004	46-59
5	Python For Data Science VAC/CSE/005	60-73
6	Full Stack Web Development VAC/CSE/006	74-87
7	Advanced Java Reflection VAC/CSE/007	88-102
8	Advanced Data Structures Using Python VAC/CSE/008	103-116
9	AI & ML VAC/CSE/009	117-130
10	Introduction To Computational Thinking And Programming VAC/CSE/010	131-143
11	Spring Boot VAC/CSE/011	144-161
12	Applications of Deep Learning For Computer Vision VAC/ECE/001	162-176
13	Design And Implementation Of Smart Home Appliances Using Arduino VAC/ECE/002	177-190
14	Basics Of Sensors And Wearable Technology VAC/ECE/003	191-205
15	Matlab VAC/ECE/004	206-219
16	Designing And Prototyping Of Printed Circuit Boards VAC/ECE/005	220-234
17	Programming Logic With C And Python VAC/ECE/006	235-249
18	Python Applications - Numpy And Pandas VAC/ECE/007	250-269
19	Hands On Programme On HVAC Systems VAC/Mech/001	270-281
20	Unconventional Machining Processes VAC/Mech/002	282-293
21	Introduction To Composite Materials And Its Application In Industries VAC/Mech/003	294-308
22	Hands On Programme On CATIA VAC/Mech/004	309-319
23	Python Applications - Numpy And Pandas VAC/Mech/005	320-334
24	Application Of Electric Drive System VAC/EEE/001	335-349

25	Industrial Automation With PLC VAC/EEE/002	350-364
26	Hybrid Electric Vehicles VAC/EEE/003	365-379
27	Energy Storage Systems VAC/EEE/004	380-394
28	Python Applications - Numpy And Pandas VAC/EEE/005	395-409
29	Geographical Information System VAC/BSH/001	410-424
30	Archaeo Chemistry VAC/BSH/002	425-439
31	Lisp Programming Language VAC/BSH/003	440-451
32	Biological Basis Of Behavior VAC/BSH/004	452-466
33	Plant Tissue Culture VAC/BSH/005	467-478
34	Fundamental And Applications In Computer Vision VAC/BSH/006	479-490
35	Reading Skills VAC/BSH/007	491-501
36	Business Statistics VAC/MBA/001	502-516
37	Personal Administration &Time Management VAC/MBA/002	517-531
38	Business Analytics With R Programming VAC/MBA/003	532-548
39	People Management VAC/MBA/004	549-566

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/SEM/I/01 **Date: 03-09-2020**

CIRCULAR

This is to inform all the III B. Tech CSE students that, the Department organizing a Value Added Course on **"Computational Geometry in a Data Structures "**. Department Advisory Committee has been identified **Mr.S.Rajender Assistant Professor in Dept of CSE** as a resource person for this course. Participating students will be awarded Certificates of Course Completion .This course is scheduled for 06 days which will take place from 07-09-2020 to 12-09-2020 in online mode through Google Meet.

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III B. Tech students
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ABOUT THE COURSE

Computational Geometry is a course that considers data structures and algorithms for spatial data sets, collections of points, lines, planes, polygons and polyhedra that live in 2 or 3 dimensional space. These data structures form the basis for modern work in Computer Graphics, Geographic Information Systems, and, to a lesser extent, Computer Vision and Machine Learning

COURSE OBJECTIVES

- Understand the fundamental concepts of computational geometry and its
- Applications
- Acquire knowledge of basic geometric primitives and operations.
- Develop an understanding of planar point location and line segment intersection
- Algorithms.
- Gain a comprehensive understanding of convex hulls, including their properties and
- Applications.
- Familiarize yourself with various convex hull algorithms, such as gift wrapping
- (Jarvis march), Graham scan, and Quick hull.
-

EXPECTED OUTCOMES

- Understand the fundamental concepts and principles of computational geometry.
- Apply basic geometric primitives and operations to solve computational geometry problems.
- Analyze and compare different algorithms for solving convex hull problems.
- Implement and evaluate various triangulation algorithms.
- Construct and analyze Verona diagrams using Fortune's algorithm.

Resource Person	Co-ordinator
Mr.S.Rajender	Mrs.G.Subhashini
Assistant Professor	Assistant Professor
Department of CSE	Department of CSE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-ksiik

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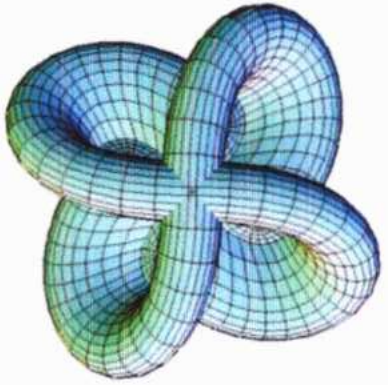

VALUE ADDED COURSE ON

"COMPUTATIONAL GEOMETRY iN A DATA STRUCTURES"

07th SEP to 12th SEP ,2020

DURATION OF THE COURSE 30HRS

ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**

VALUE ADDED COURSE SYLLABUS

III YEAR I–SEM **ACADEMIC YEAR: 2020-21**

Course objectives:

- Understand the fundamental concepts of computational geometry and its Applications
- Acquire knowledge of basic geometric primitives and operations.
- Develop an understanding of planar point location and line segment intersection Algorithms.
- Gain a comprehensive understanding of convex hulls, including their properties and Applications.
- Familiarize yourself with various convex hull algorithms, such as gift wrapping (Jarvis march), Graham scan, and Quick hull.

Course Outcome:

By the end of this course, students will be able to:

- Understand the fundamental concepts and principles of computational geometry.
- Apply basic geometric primitives and operations to solve computational geometry problems.
- Analyze and compare different algorithms for solving convex hull problems.
- Implement and evaluate various triangulation algorithms.
- Construct and analyze Verona diagrams using Fortune's algorithm.

Unit 1: Introduction to Computational Geometry Overview of computational geometry and Its applications Basic geometric primitives and operations-Planar point location and line Segment intersection algorithms.

Unit 2: Convex Hull Algorithms introduction to convex hull and its properties - Gift wrapping (Jarvis march) algorithm Graham an algorithm Quick hull algorithm - Comparison and analysis of convex hall algorithms.

Unit 3: Triangulation Algorithms - Delaunay triangulation Bar clipping method incremental and divide-and-conquer triangulation algorithms Delaunay refinement algorithms-Applications of triangulation in computational geometry.

Unit 4: Varonal Diagrams- Definition and properties of Voronoi diagrams -Fortune's algorithm for constructing Varonol diagrams-Dual relationship between Voronoi diagrams and Delaunay triangulations - Applications of Voronal diagrams in spatial analysis and optimization problems.

Unit 5: Range Searching and Intersection Problems Introduction to range searching problems-Range tree and kd-tree data structures-Line segment intersection algorithms

Intersection of geometric objects (circles, polygons)- Applications of range searching and Intersection problems.

REFERENCE BOOKS:

1. Computational Geometry: Algorithms and Applications by Mark de Berg, Gottfried Cheong, Marc van Kreveld, and Mark Over mars
2. Computational Geometry: An Introduction by France P. Preparation and Michael Tan Shamos
3. Computational Geometry in C by Joseph O'Rourke.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**

ACADEMIC YEAR 2020-2021 **Date: 03-09-2020**

III YEAR I–SEM **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	07.09.2020	Introduction to Computational Geometry Overview of computational geometry and	10:00 am to 04:00 pm	5 hours
2	08.09.2020	Convex Hull Algorithms introduction to convex hull and its properties - Gift wrapping	10:00 am to 04:00 pm	5 hours
3	09.09.2020	Triangulation Algorithms - Delaunay triangulation Bar clipping method incremental and divide-and-conquer triangulation algorithms	10:00 am to 04:00 pm	5 hours
4	10.09.2020	Varonal Diagrams- Definition and properties of Voronoi diagrams - Fortune's algorithm for constructing Varonol	10:00 am to 04:00 pm	5 hours
5	11.09.2020	Range Searching and Intersection Problems Introduction to range searching	10:00 am to 04:00 pm	5 hours
6	12.09.2020	problems-Range tree and kd-tree data structures-Line segment intersection algorithms Intersection of geometric objects	10:00 am to 04:00 pm	5 hours
				Total – 30 hours

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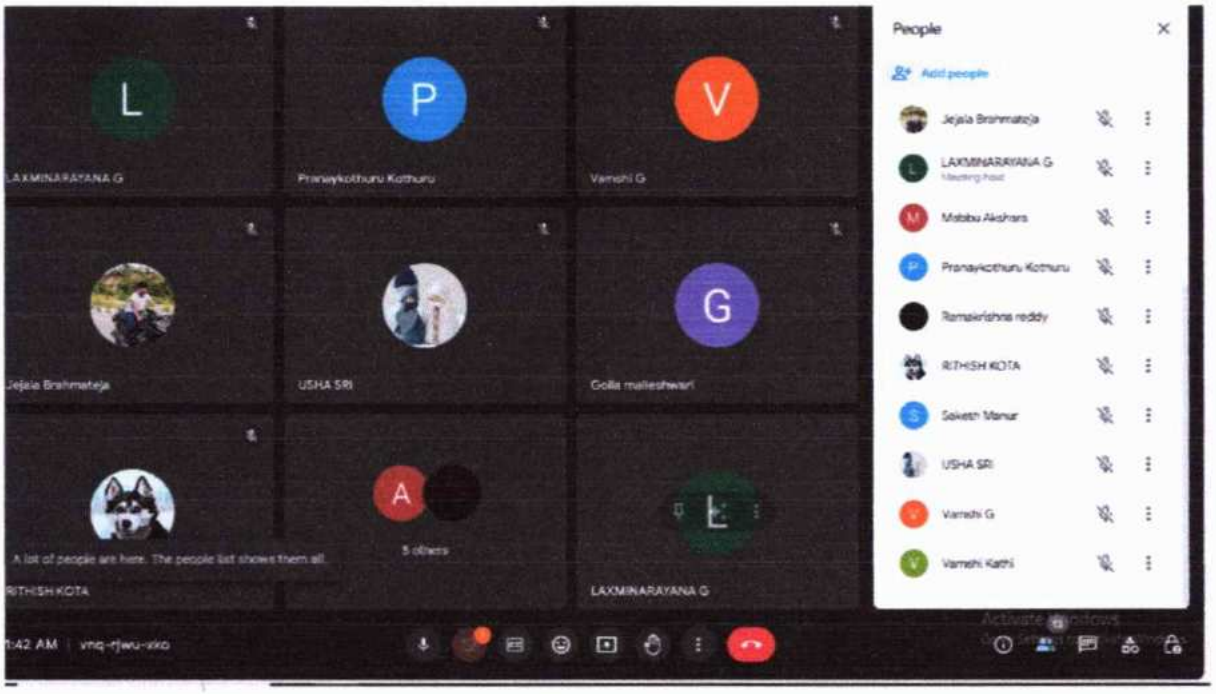

The students of III year B.Tech certificate program attending " Computational Geometry In A Data Structures" by Mr.S.Rajender", assistant professor.

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VALUE ADDED COURSE NAME: **COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**

III YEAR I–SEM ENROLLED STUDENTS LIST Date: 07-09-2020 to 12-09-2020

S.NO	Roll Number	Name of The Student
1	18Q61A0501	A Pavan Kalyan
2	18Q61A0502	A Akhila
3	18Q61A0503	Alumalla Shirisha
4	18Q61A0504	Anugula Srinivas
5	18Q61A0505	Bodolla Sai Kiran
6	18Q61A0506	Chelamala Penchalaiah
7	18Q61A0507	Duvvala Vinay
8	18Q61A0508	Erri Samagnya
9	18Q61A0509	Gatipelly Rohith
10	18Q61A0510	Giri Sai Kumar
11	18Q61A0511	Hanmanthu Sampathreddy
12	18Q61A0512	Jakkali Mahendar
13	18Q61A0513	Kankanala Vamsi
14	18Q61A0514	Kolla Prashanth
15	18Q61A0515	Kommineni Rithinkrishna
16	18Q61A0516	M Savitha
17	18Q61A0517	Malkareddy Jithender
18	18Q61A0518	Malreddy Vaishnavi
19	18Q61A0519	Mamidi Soujanya
20	18Q61A0520	Mankala Bhaskar
21	18Q61A0521	Maramraju Vishnu Sandilya
22	18Q61A0522	Mekala Vamshi Krishna
23	18Q61A0523	Miryala Vinay
24	18Q61A0524	Narra Ajitha
25	18Q61A0525	Nida Zehra
26	18Q61A0526	Nizamuddin Sameeruddin
27	18Q61A0527	Nukapelly Navaneeth Reddy
28	18Q61A0528	Ogeti Swetha
29	18Q61A0529	Pagala Hemanth Kumar
30	18Q61A0530	Palwai Akhila Reddy
31	18Q61A0531	Pirla Devi

32	18Q61A0532	Ritika Nitin Kulkarni
33	18Q61A0533	Sirigadha Anudeep
34	18Q61A0534	Vangala Aravind Reddy
35	18Q61A0535	Vudharu Nagalaxmi

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**

III YEAR I–SEM **A.Y 2020-2021** **Date: 03-09-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	07.09.20	08.09.20	09.09.20	10.09.20	11.09.20	12.09.20
1	18Q61A0501	A Pavan Kalyan	P	P	P	P	P	P
2	18Q61A0502	A Akhila	P	P	P	P	P	P
3	18Q61A0503	Alumalla Shirisha	A	A	A	A	A	A
4	18Q61A0504	Anugula Srinivas	P	P	P	P	P	P
5	18Q61A0505	Bodolla Sai Kiran	P	P	P	P	P	P
6	18Q61A0506	Chelamala Penchalaiah	P	P	P	P	P	P
7	18Q61A0507	Duvvala Vinay	P	P	P	P	P	P
8	18Q61A0508	Erri Samagnya	P	P	P	P	P	P
9	18Q61A0509	Gatipelly Rohith	A	A	A	A	A	A
10	18Q61A0510	Giri Sai Kumar	P	P	P	P	P	P
11	18Q61A0511	Hanmanthu Sampathreddy	P	P	A	P	P	P
12	18Q61A0512	Jakkali Mahendar	P	P	P	P	P	P
13	18Q61A0513	Kankanala Vamsi	P	P	P	P	P	P
14	18Q61A0514	Kolla Prashanth	P	P	P	P	P	P
15	18Q61A0515	Kommineni Rithinkrishna	P	P	P	P	P	P
16	18Q61A0516	M Savitha	A	A	A	A	A	A
17	18Q61A0517	Malkareddy Jithender	P	P	P	P	P	P
18	18Q61A0518	Malreddy Vaishnavi	P	P	P	P	P	P
19	18Q61A0519	Mamidi Soujanya	P	P	P	P	P	P
20	18Q61A0520	Mankala Bhaskar	A	P	P	P	P	P
21	18Q61A0521	Maramraju Vishnu Sandilya	P	P	P	P	P	P
22	18Q61A0522	Mekala Vamshi Krishna	P	P	P	P	P	P
23	18Q61A0523	Miryala Vinay	P	P	P	P	P	P
24	18Q61A0524	Narra Ajitha	P	P	A	P	P	P
25	18Q61A0525	Nida Zehra	P	P	P	P	P	P
26	18Q61A0526	Nizamuddin Sameeruddin	P	P	P	P	P	P
27	18Q61A0527	Nukapelly Navaneeth Reddy	P	P	P	P	P	P
28	18Q61A0528	Ogeti Swetha	P	P	P	P	P	P
29	18Q61A0529	Pagala Hemanth Kumar	P	P	P	P	P	P
30	18Q61A0530	Palwai Akhila Reddy	P	P	P	P	P	P
31	18Q61A0531	Pirla Devi	P	P	P	P	P	P
32	18Q61A0532	Ritika Nitin Kulkarni	P	P	P	P	P	P
33	18Q61A0533	Sirigadha Anudeep	P	P	P	P	P	P
34	18Q61A0534	Vangala Aravind Reddy	P	P	P	P	P	P
35	18Q61A0535	Vudharu Nagalaxmi	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**

III YEAR I–SEM **A.Y 2020-21** **Date: 07-09-2020 to 12-09-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0501	A Pavan Kalyan	30	100
2	18Q61A0502	A Akhila	30	100
3	18Q61A0503	Alumalla Shirisha	0	0
4	18Q61A0504	Anugula Srinivas	30	100
5	18Q61A0505	Bodolla Sai Kiran	30	100
6	18Q61A0506	Chelamala Penchalaiah	30	100
7	18Q61A0507	Duvvala Vinay	30	100
8	18Q61A0508	Erri Samagnya	30	100
9	18Q61A0509	Gatipelly Rohith	0	0
10	18Q61A0510	Giri Sai Kumar	30	100
11	18Q61A0511	Hanmanthu Sampathreddy	30	100
12	18Q61A0512	Jakkali Mahendar	30	100
13	18Q61A0513	Kankanala Vamsi	30	100
14	18Q61A0514	Kolla Prashanth	30	100
15	18Q61A0515	Kommineni Rithinkrishna	30	100
16	18Q61A0516	M Savitha	0	0
17	18Q61A0517	Malkareddy Jithender	30	100
18	18Q61A0518	Malreddy Vaishnavi	30	100
19	18Q61A0519	Mamidi Soujanya	30	100
20	18Q61A0520	Mankala Bhaskar	25	83.3
21	18Q61A0521	Maramraju Vishnu Sandilya	30	100
22	18Q61A0522	Mekala Vamshi Krishna	30	100
23	18Q61A0523	Miryala Vinay	30	100
24	18Q61A0524	Narra Ajitha	25	83.3
25	18Q61A0525	Nida Zehra	30	100
26	18Q61A0526	Nizamuddin Sameeruddin	30	100
27	18Q61A0527	Nukapelly Navaneeth Reddy	30	100
28	18Q61A0528	Ogeti Swetha	30	100
29	18Q61A0529	Pagala Hemanth Kumar	30	100
30	18Q61A0530	Palwai Akhila Reddy	30	100
31	18Q61A0531	Pirla Devi	30	100

32	18Q61A0532	Ritika Nitin Kulkarni	30	100
33	18Q61A0533	Sirigadha Anudeep	30	100
34	18Q61A0534	Vangala Aravind Reddy	30	100
35	18Q61A0535	Vudharu Nagalaxmi	30	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 18.09.2020

PROGRAM REPORT

Name of the value added course: Computational Geometry in a Data Structures
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.S.Rajender Assistant Professor
Name of the Coordinator: Mrs.G.Subhashini Assistant Professor
Number of the Participants: 32
Topics covered: The following topics covered in this program

1 Overview of computational geometry
2. Introduction to over hull
3. Delaunay mandate
4 Voronoi diagram
5. Range searching problems

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **V.NAGALAXMI** Bearing roll number **18Q61A0535** from the department of **Computer Science and Engineering** completed the value added course on "**COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES**" During the year **2020-21**.

Head of The Department
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Co-Ordinator
CO ORDINATOR
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Gunthapally (V), Abdullapurmet (M), RR Dist, Near Ramoji Film City, Hyderabad -501512.
www.aietg.ac.in email: principal.avanthi@gmail.com

Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **A.PAVAN KALYAN** Bearing roll number **18Q61A0501** from the department of **Computer Science and Engineering** completed the value added course on **"COMPUTATIONAL GEOMETRY IN A DATA STRUCTURES"** During the year **2020-21**.

Head of The Department

Head of the Department
Computer Science & Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Co-Ordinator

CO ORDINATOR
Avanthi Institute of Engineering & Technology,
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

Principal

PRINCIPAL
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Guntihapally (V), Abdullapurmet (M), R.R.Dist.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/CIR/2020-21/SEM/I/02 **Date: 07-09-2020**

CIRCULAR

This is to inform all the III B. Tech & II M.Tech CSE students that there will be a Value Added Course on **"TRENDS OF CYBER SECURITY"** from 14/09/2020 to 19/09/2020. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.R.Deepak Sharma With COIGN Consultants Pvt Ltd.

Head of the Department
Computer Science & Engineering
HOD
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice board
III B. Tech & II M.Tech CSE students
Dept. file

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ABOUT THE COURSE

Cyber security is an enabler of the digital future that minimizes risks and threats when operating in cyber-environment. Critical issues include data privacy and controlling the data delivered by devices when AI can search and combine data in ways not yet seen. Trends of Cyber Security will bring you the latest knowledge and issues about global cyber security field.

COURSE OBJECTIVES

- Learn the foundations of Cyber security and threat landscape.
- To equip students with the technical knowledge and skills needed to protect and defend against cyber threats.
- To develop skills in students that can help them plan, implement, and monitor cyber security mechanisms to ensure the protection of information technology assets.
- To expose students to governance, regulatory, legal, economic, environmental, social and ethical contexts of cyber security
- To expose students to responsible use of online social media networks.
- To systematically educate the necessity to understand the impact of cyber crimes and threats with solutions in a global and societal context
- To select suitable ethical principles and commit to professional responsibilities and human values and contribute value and wealth for the benefit of the societ

EXPECTED OUTCOMES

- Protect and defend computer systems and networks from cybersecurity attacks. ...
- Diagnose and investigate cybersecurity events or crimes related to computer systems and digital evidence. ...
- Effectively communicate in a professional setting to address information security issues.

Resource Person
Mr.R.Deepak Sharma
Technical Trainer
COIGN Consultants Pvt Ltd

Co-ordinator
Mrs.Jainabbi Banda
Assistant Professor
Department of CSE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Class starts from 14/09/2020 to 19/09/2020 10:00 AM TO 04:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-eibysi

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ACCREDITED WITH GRADE B++ NAAC



VALUE ADDED COURSE ON

"TRENDS OF CYBER SECURITY"

14th SEP to 19th SEP - 2020

ORGANIZED BY :
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR 2020-2021

III B. Tech & II M.Tech -I SEM

Course Objectives:

- Learn the foundations of Cyber security and threat landscape.
- To equip students with the technical knowledge and skills needed to protect and defend against cyber threats.
- To develop skills in students that can help them plan, implement, and monitor cyber security mechanisms to ensure the protection of information technology assets.
- To expose students to governance, regulatory, legal, economic, environmental, social and ethical contexts of cyber security
- To expose students to responsible use of online social media networks.
- To systematically educate the necessity to understand the impact of cyber crimes and threats with solutions in a global and societal context
- To select suitable ethical principles and commit to professional responsibilities and human values and contribute value and wealth for the benefit of the society

Module 1: Defining Cyberspace and Overview of Computer and Web-technology, Architecture of cyberspace, Communication and web technology, Internet, World wide web, Advent of internet, Internet infrastructure for data transfer and governance, Internet society, Regulation of cyberspace, Concept of cyber security, Issues and challenges of cyber security

Module 2: Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransom ware attacks, zero day and zero click attacks, Cybercriminals modus-operandi , Reporting of cyber crimes, Remedial and mitigation measures, Legal perspective of cyber crime, IT Act 2000 and its amendments, Cyber crime and offences, Organizations dealing with Cyber crime and Cyber security in India, Case studies.

Module 3: Introduction to Social networks. Types of Social media, Social media platforms, Social media monitoring, Hash tag, Viral content, Social media marketing, Social media privacy, Challenges, opportunities and pitfalls in online social network, Security issues related to social media, Flagging and reporting of inappropriate content, Laws regarding posting of inappropriate content, Best practices for the use of Social media, Case studies.

Module 4: Definition of E- Commerce, Main components of E-Commerce, Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices, Introduction to digital payments, Components of digital payment and stake holders, Modes of digital payments- Banking Cards, Unified Payment Interface (UPI), e-Wallets, Unstructured Supplementary Service Data (USSD), Aadhar enabled payments, Digital payments related common frauds and preventive measures. RBI guidelines on digital payments and customer protection in unauthorized banking transactions. Relevant provisions of Payment Settlement Act, 2007,

Module 5: End Point device and Mobile phone security, Password policy, Security patch management, Data backup, Downloading and management of third party software, Device security policy, Cyber Security best practices, Significance of host firewall and Ant-virus, Management of host firewall and Anti-virus, Wi-Fi security, Configuration of basic security policy and permissions.

TEXT BOOK:

1. Cyber Crime Impact in the New Millennium, by R. C Mishra, Auther Press. Edition 2010.

2. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by SumitBelapure and Nina God bole, Wiley India Pvt. Ltd. (First Edition, 2011)

3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver Create Space Independent Publishing Platform. (Pearson, 13th November, 2001)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

ACADEMIC YEAR 2020-2021 **Date: 07-09-2020**

III B. Tech & II M.Tech -I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
14-09-2020	Defining Cyberspace and Overview of Computer andWeb-technology, Architecture of cyberspace, Communication and web technology, Internet.	10:00 am to 04:00 pm	5 Hours
15-09-2020	Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds.	10:00 am to 04:00 pm	5 Hours
16-09-2020	Communication Protocols: IEEE 802.15.4, ZigBee, Z Wave, Bluetooth, BLE, NFC, RFID Industry standards communication technology (Lora WAN, OPC UA, MQTT.	10:00 am to 04:00 pm	5 Hours
17-09-2020	Introduction to Social networks. Types of Social media, Social media platforms, Social media monitoring, Hash tag.	10:00 am to 04:00 pm	5 Hours
18-09-2020	End Point device and Mobile phone security Password policy, Security patch management, Data backup	10:00 am to 04:00 pm	5 Hours
19-09-2020	Cyber Security best practices, Significance of host firewall and Ant-virus, Management of host firewall and Anti-virus, Wi-Fi security, Configuration of basic security policy and permissions.	10:00 am to 04:00 pm	5 Hours
			Total – 30 Hours

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Avanthi Institute of Engineering & Technology
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Ranga Reddy District.



The students of II year B.Tech certificate program attending "Trends of Cyber Security" by Mr.R.Deepak Sharma assistant professor"

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

III B. Tech & II M.Tech -I SEM Enrolled Students List Date: 14-09-2020 to 19-09-2020

S.NO	Roll Number	Name of The Student
1	18Q61A0536	Barla Soumy
2	18Q61A0537	Dasari Sai Kavya
3	18Q61A0538	Ganji Rahul
4	18Q61A0539	Kandimalla Kiran Kumar Reddy
5	18Q61A0540	Kunchala Navya
6	18Q61A0541	Palanati Sai Vamshi
7	18Q61A0542	Sangars Swetha Sri
8	18Q61A0543	Arikatla Sravani
9	18Q61A0544	Baddula Sai Krishna
10	18Q61A0545	Bondalapati Ramya
11	18Q61A0546	D Sai Raj
12	18Q61A0547	Golapalli Vinisha
13	18Q61A0548	Gunamoni Vinay
14	18Q61A0549	Jalagiri Rahulmudiraj
15	18Q61A0550	Karna Bahadur Bista
16	18Q61A0551	Maram Nagarjuna Reddy
17	18Q61A0552	Mohammed Farhan
18	18Q61A0553	Nambi Nandini
19	18Q61A0554	Palrla Gopi Reddy
20	18Q61A0555	Parshapag Kevinmatthew
21	18Q61A0556	Patibadla Sai Veerendra
22	18Q61A0557	Pulipati Shyamsunder
23	18Q61A0558	Nagati Likhith Kumar
24	18Q61A0559	R Chandra Sekhar Reddy
25	18Q61A0560	R Suresh Reddy
26	18Q61A0561	Al Vinay
27	18Q61A0562	Badugu Dip
28	19Q61D5801	Aluru Harshavardhan Reddy
29	19Q61D5802	Mankena Uday Bhanu
30	19Q61D5803	Mariyamma Srirama
31	19Q61D5804	Erugu Saikumar
32	19Q61D5805	Badugu Pavan Kumar

33	19Q61D5807	D E S Chandra Dileep
34	19Q61D5808	Madhu Yadav G
35	19Q61D5809	Takur Ajay

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

III B. Tech & II M.Tech -I SEM **A.Y 2020-2021** **Date: 07-09-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	14.09.20	15.09.20	16.09.20	17.09.20	18.09.20	19.09.20
1	18Q61A0536	Barla Soumy	A	A	A	A	A	A
2	18Q61A0537	Dasari Sai Kavya	P	P	P	P	P	P
3	18Q61A0538	Ganji Rahul	P	P	P	P	P	P
4	18Q61A0539	Kandimalla Kiran Kumar Reddy	A	A	A	A	A	A
5	18Q61A0540	Kunchala Navya	P	P	P	P	P	P
6	18Q61A0541	Palanati Sai Vamshi	P	P	P	P	P	P
7	18Q61A0542	Sangars Swetha Sri	P	P	P	P	P	P
8	18Q61A0543	Arikatla Sravani	P	P	P	P	P	P
9	18Q61A0544	Baddula Sai Krishna	P	A	P	P	P	P
10	18Q61A0545	Bondalapati Ramya	P	P	P	P	P	P
11	18Q61A0546	D Sai Raj	P	P	P	P	P	P
12	18Q61A0547	Golapalli Vinisha	P	P	P	P	P	P
13	18Q61A0548	Gunamoni Vinay	P	P	P	P	P	P
14	18Q61A0549	Jalagiri Rahulmudiraj	A	P	P	P	P	P
15	18Q61A0550	Karna Bahadur Bista	P	P	P	P	P	P
16	18Q61A0551	Maram Nagarjuna Reddy	P	P	P	P	P	P
17	18Q61A0552	Mohammed Farhan	P	P	P	P	P	P
18	18Q61A0553	Nambi Nandini	P	P	P	P	P	P
19	18Q61A0554	Palrla Gopi Reddy	A	A	A	A	A	A
20	18Q61A0555	Parshapag Kevinmatthew	P	P	P	P	P	P
21	18Q61A0556	Patibadla Sai Veerendra	P	P	P	P	P	P
22	18Q61A0557	Pulipati Shyamsunder	P	P	A	P	P	P
23	18Q61A0558	Nagati Likhith Kumar	P	P	P	P	P	P
24	18Q61A0559	R Chandra Sekhar Reddy	P	P	P	P	P	P
25	18Q61A0560	R Suresh Reddy	P	P	P	P	P	P
26	18Q61A0561	Al Vinay	P	P	P	P	P	P
27	18Q61A0562	Badugu Dip	P	P	P	P	P	P
28	19Q61D5801	Aluru Harshavardhan Reddy	P	P	P	P	P	P
29	19Q61D5802	Mankena Uday Bhanu	P	P	P	P	P	P
30	19Q61D5803	Mariyamma Srirama	P	P	P	P	P	P
31	19Q61D5804	Erugu Saikumar	P	P	P	P	P	P
32	19Q61D5805	Badugu Pavan Kumar	P	P	P	P	P	P
33	19Q61D5807	D E S Chandra Dileep	P	P	P	P	P	P
34	19Q61D5808	Madhu Yadav G	P	P	P	P	P	P
35	19Q61D5809	Takur Ajay	A	A	A	A	A	A

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

III B. Tech & II M.Tech -I SEM **A.Y 2020-21 Date: 14-09-2020 to 19-09-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0536	Barla Soumy	0	0
2	18Q61A0537	Dasari Sai Kavya	30	100
3	18Q61A0538	Ganji Rahul	30	100
4	18Q61A0539	Kandimalla Kiran Kumar Reddy	0	0
5	18Q61A0540	Kunchala Navya	30	100
6	18Q61A0541	Palanati Sai Vamshi	30	100
7	18Q61A0542	Sangars Swetha Sri	30	100
8	18Q61A0543	Arikatla Sravani	30	100
9	18Q61A0544	Baddula Sai Krishna	25	83.3
10	18Q61A0545	Bondalapati Ramya	30	100
11	18Q61A0546	D Sai Raj	30	100
12	18Q61A0547	Golapalli Vinisha	30	100
13	18Q61A0548	Gunamoni Vinay	30	100
14	18Q61A0549	Jalagiri Rahulmudiraj	25	83.3
15	18Q61A0550	Karna Bahadur Bista	30	100
16	18Q61A0551	Maram Nagarjuna Reddy	30	100
17	18Q61A0552	Mohammed Farhan	30	100
18	18Q61A0553	Nambi Nandini	30	100
19	18Q61A0554	Palrla Gopi Reddy	0	0
20	18Q61A0555	Parshapag Kevinmatthew	30	100
21	18Q61A0556	Patibadla Sai Veerendra	30	100
22	18Q61A0557	Pulipati Shyamsunder	25	83.3
23	18Q61A0558	Nagati Likhith Kumar	30	100
24	18Q61A0559	R Chandra Sekhar Reddy	30	100
25	18Q61A0560	R Suresh Reddy	30	100
26	18Q61A0561	Al Vinay	30	100
27	18Q61A0562	Badugu Dip	30	100
28	19Q61D5801	Aluru Harshavardhan Reddy	30	100
29	19Q61D5802	Mankena Uday Bhanu	30	100
30	19Q61D5803	Mariyamma Srirama	30	100
31	19Q61D5804	Erugu Saikumar	30	100

32	19Q61D5805	Badugu Pavan Kumar	30	100
33	19Q61D5807	D E S Chandra Dileep	30	100
34	19Q61D5808	Madhu Yadav G	30	100
35	19Q61D5809	Takur Ajay	0	0

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 24-09-2020

PROGRAM REPORT

Name of the value added course: Trends of Cyber Security
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.R.Deepak Sharma, Technical Trainer, COIGN Consultants Pvt Ltd.
Name of the Coordinator: Mrs.Jainabbi Banda Assistant Professor
Number of the Participants: 31
Topics covered: The following topics covered in this program

- While the promise of the Industrial Internet of Things (IOT) brings many new business prospects, it also presents significant challenges ranging from technology
- Communication Protocols: IEEE 802.15.4, ZigBee, Z Wave, Bluetooth, BLE, NFC, RFID
- Industry standards communication technology (Lora WAN, OPC UA, MQTT), connecting into existing Modbus and Profibus technology, wireless network communication
- Front-end EDGE devices, Enterprise data for IOT, Emerging descriptive data standards for IOT, Cloud data base, Could compute Fog or Edge computing.
- Extraction from Web: Grabbing the content from a web page, Programmable logic controller (PLC), Real-time control system.

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COIGN

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **G.RAHUL** Bearing Reg.No **18Q61A0538** is participated in "**TRENDS OF CYBER SECURITY**" course conducted at the **Avanthi Institute of Engineering & Technology**,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **COIGN** from **14/09/2020** to **19/09/2020**.

COIGN Consultants Pvt.Ltd

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COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **E.SAIKUMAR** Bearing Reg.No **19Q61D5804** is participated in "**TRENDS OF CYBER SECURITY**" course conducted at the **Avanthi Institute of Engineering & Technology**,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **COIGN** from **14/09/2020** to **19/09/2020**.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/I/03 **Date: 02-11-2020**

CIRCULAR

This is to inform all the III B. Tech CSE students that there will be an Add-on course training program on "**Recent Trends and Challenges** "from 09-11-2020 to 14-11-2020. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.N.Ranga Swamy with Ask Training Services.

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ABOUT THE COURSE

This course provide a comprehensive understanding of the recent trends and challenges in Computer Science and Engineering. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

·The course objective is to teach students about the current trends in various computer science and information technology fields.
·Students will learn about the fields of application design, database design, data science, artificial intelligence, machine learning, the internet of things, and block chain technology.

EXPECTED OUTCOMES

The course outcomes for Computer Science and Engineering typically include the ability to apply knowledge of computing and mathematics appropriate to the discipline, identify, analyze, research literature, formulate complex problems involving computing, and design, implement and evaluate a computational system/solution to customer requirements567. These outcomes ensure that students are well-equipped with the necessary skills and knowledge to excel in their future careers.

Resource Person
Mr.N.Ranga Swamy
Subject Expert
ASK Training Services

Co-ordinator
Mr.N.Chinya
Assistant Professor
Department of CSE

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Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIEX2ADId2pyg/viewform

Class starts from 09-11- 2020 to 14-11-2020 09:30 AM TO 04:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-eibysi

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VALUE ADDED COURSE ON

"RECENT TRENDS AND CHALLENGING IN CSE"

09th to 14th NOV ,2020

DURATION OF THE COURSE 30HRS

ORGANIZED BY :
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **RECENT TRENDS AND CHALLENGES**

VALUE ADDED COURSE SYLLABUS

B.TECH III YEAR-I SEM ACADEMIC YEAR 202-21

Course Objectives:

- The course objective is to teach students about the current trends in various computer science and information technology fields.
- Students will learn about the fields of application design, database design, data science, artificial intelligence, machine learning, the internet of things, and block chain technology.

Module 1: Identifies current trends in modern technology, risk management in IT leadership and how to use data to find trends. Defines application development processes, project roles in systems development and the tools and methods used in systems development.

Module 2: Discusses database management systems, relational databases and database administration and security. Explains trends in data science for marketing, the difference between data analytics and data visualization and the evolution of marketing and data science.

Module 3: Outlines data visualization in information design, the tools and software used in data visualization and the importance of data visualization. Describes artificial intelligence in everyday life, the history of artificial intelligence and how expert systems and artificial intelligence are used to solve complex problems.

Module 4: Details applications and techniques used in machine learning and the difference between artificial intelligence and machine learning. Covers the Internet of things in cars, cities, buildings and energy, as well as the Impact of the internet of things on the medical field, business and building automation.

Module 5: Explains the different forms and types of digital and virtual currencies, the creation of crypto currency and the uses of block chain technologies. Outlines ethical issues in electronic commerce and Internet and social media marketing, the impact of technology on privacy and the ethics of artificial intelligence.

REFERENCE BOOKS:

1. Cyber Crime Impact in the New Millennium, by R. C Mishra, Auther Press. Edition 2010.

2. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by SumitBelapure and Nina God bole, Wiley India Pvt. Ltd. (First Edition, 2011)

3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver Create Space Independent Publishing Platform. (Pearson, 13th November, 2001)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **RECENT TRENDS AND CHALLENGES**

ACADEMIC YEAR 202-21 **Date: 02-11-2020**

B.TECH III YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
09-11-2020	Identifies current trends in modern technology, risk management in IT leadership and how to use data to find trends	09:30 am to 04:00 pm	6 hours
10-11-2020	Discusses database management systems, relational databases and database administration and security.	09:30 am to 04:00 pm	6 hours
11-11-2020	Outlines data visualization in information design, the tools and software	09:30 am to 04:00 pm	6 hours
12-11-2020	Details applications and techniques used in machine learning and the difference between artificial intelligence and machine learning	09:30 am to 04:00 pm	6 hours
13-11-2020	Explains the different forms and types of digital and virtual currencies, the creation of crypto currency and the uses of block chain technologies.	09:30 am to 04:00 pm	6 hours
14-11-2020	Internet and social media marketing, the impact of technology on privacy and the ethics of artificial intelligence	09:30 am to 04:00 pm	6 hours
			Total – 36 Hours

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Ranga Reddy District.



The students of II year B.Tech certificate program attending "Recent Trends and Challenges" by Mr.N.Ranga Swamy, assistant professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **RECENT TRENDS AND CHALLENGES**

III YEAR I–SEM ENROLLED STUDENTS LIST Date: 09-11-2020 to 14-11-2020

S.NO	Roll Number	Name of The Student
1	18Q61A0563	Banala Vinaykumar
2	18Q61A0564	Bollabathini Aravind
3	18Q61A0565	Chintala Vaibhav Reddy
4	18Q61A0566	Erri Lavakumarreddy
5	18Q61A0567	Kadaveru Anusha
6	18Q61A0568	Kaki Sony
7	18Q61A0569	Kanala Sathwika
8	18Q61A0570	Kistammagari Karishma
9	18Q61A0571	Konda Naveen Kumar Reddy
10	18Q61A0572	Kotla Mahesh
11	18Q61A0573	Kudikala Manikanta
12	18Q61A0574	Kunapuri Prasanna
13	18Q61A0575	Kyatham Aneesha
14	18Q61A0576	M Chandana
15	18Q61A0577	Manchikanti Asritha
16	18Q61A0578	Manda Kumara Swamy
17	18Q61A0579	Mannem Mounkumar
18	18Q61A0580	Marry Praveen Reddy
19	18Q61A0581	Mekapothula Soumya
20	18Q61A0582	Moguloju Divya
21	18Q61A0583	Mudiam Harsha Vardhan
22	18Q61A0584	Musuku Aishwarya
23	18Q61A0585	Palvai Harish
24	18Q61A0586	Penumuchhu Ramya Keerthi
25	18Q61A0587	Pothi Reddy Karthik Reddy
26	18Q61A0588	Pulipati Soundarya
27	18Q61A0589	Pulipelli Pavani

28	18Q61A0590	Ramidi Manoj Reddy
29	18Q61A0591	Rathnavath Shiva
30	18Q61A0592	Uragadda Bhudevi
31	18Q61A0593	Velagala T N S Adhi Narayana Reddy
32	18Q61A0594	Vuppu Siva Sai Venkata Krishna Ganesh
33	18Q61A0595	Yempati Bala Krishna
34	18Q61A0596	Boya Mohit
35	18Q61A0597	Dindu Siddhartha Goud

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **RECENT TRENDS AND CHALLENGES**

III YEAR I–SEM **A.Y 2020-2021** **Date: 02-11-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	09.11.20	10.11.20	11.11.20	12.11.20	13.11.20	14.11.20
1	18Q61A0563	Banala Vinaykumar	A	A	A	A	A	A
2	18Q61A0564	Bollabathini Aravind	P	P	P	P	P	P
3	18Q61A0565	Chintala Vaibhav Reddy	P	P	P	P	P	P
4	18Q61A0566	Erri Lavakumarreddy	P	P	P	P	P	P
5	18Q61A0567	Kadaveru Anusha	P	A	P	P	P	P
6	18Q61A0568	Kaki Sony	P	P	P	P	P	P
7	18Q61A0569	Kanala Sathwika	P	P	P	P	P	P
8	18Q61A0570	Kistammagari Karishma	A	A	A	A	A	A
9	18Q61A0571	Konda Naveen Kumar Reddy	P	P	P	P	P	P
10	18Q61A0572	Kotla Mahesh	P	P	P	P	P	P
11	18Q61A0573	Kudikala Manikanta	P	P	P	P	A	P
12	18Q61A0574	Kunapuri Prasanna	P	P	P	P	P	P
13	18Q61A0575	Kyatham Aneesha	A	P	P	P	P	P
14	18Q61A0576	M Chandana	P	P	P	P	P	P
15	18Q61A0577	Manchikanti Asritha	P	P	P	P	P	P
16	18Q61A0578	Manda Kumara Swamy	A	A	A	A	A	A
17	18Q61A0579	Mannem Mounkumar	P	P	P	P	P	P
18	18Q61A0580	Marry Praveen Reddy	P	P	P	P	P	P
19	18Q61A0581	Mekapothula Soumya	P	P	P	P	P	P
20	18Q61A0582	Moguloju Divya	P	P	P	P	P	P
21	18Q61A0583	Mudiam Harsha Vardhan	P	P	P	P	P	P
22	18Q61A0584	Musuku Aishwarya	A	A	A	A	A	A
23	18Q61A0585	Palvai Harish	P	P	P	P	P	P
24	18Q61A0586	Penumuchhu Ramya Keerthi	P	P	P	P	P	P
25	18Q61A0587	Pothi Reddy Karthik Reddy	P	P	P	P	P	P
26	18Q61A0588	Pulipati Soundarya	P	P	P	P	P	P

27	18Q61A0589	Pulipelli Pavani	P	P	P	P	P	P
28	18Q61A0590	Ramidi Manoj Reddy	P	P	P	P	P	P
29	18Q61A0591	Rathnavath Shiva	P	P	P	P	P	P
30	18Q61A0592	Uragadda Bhudevi	A	A	A	A	A	A
31	18Q61A0593	Velagala T N S Adhi Narayana Reddy	P	P	P	P	P	P
32	18Q61A0594	Vuppu Siva Sai Venkata Krishna Ganesh	P	P	P	A	P	P
33	18Q61A0595	Yempati Bala Krishna	P	P	P	P	P	P
34	18Q61A0596	Boya Mohit	P	P	P	P	P	P
35	18Q61A0597	Dindu Siddhartha Goud	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **RECENT TRENDS AND CHALLENGES**

III YEAR I–SEM **A.Y 2020-21** **Date: 09-11-2020 to 14-11-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0563	Banala Vinaykumar	0	0
2	18Q61A0564	Bollabathini Aravind	36	100
3	18Q61A0565	Chintala Vaibhav Reddy	36	100
4	18Q61A0566	Erri Lavakumarreddy	36	100
5	18Q61A0567	Kadaveru Anusha	30	83.3
6	18Q61A0568	Kaki Sony	36	100
7	18Q61A0569	Kanala Sathwika	36	100
8	18Q61A0570	Kistammagari Karishma	0	0
9	18Q61A0571	Konda Naveen Kumar Reddy	36	100
10	18Q61A0572	Kotla Mahesh	36	100
11	18Q61A0573	Kudikala Manikanta	36	100
12	18Q61A0574	Kunapuri Prasanna	36	100
13	18Q61A0575	Kyatham Aneesha	30	83.3
14	18Q61A0576	M Chandana	36	100
15	18Q61A0577	Manchikanti Asritha	36	100
16	18Q61A0578	Manda Kumara Swamy	0	0
17	18Q61A0579	Mannem Mounkumar	36	100
18	18Q61A0580	Marry Praveen Reddy	36	100
19	18Q61A0581	Mekapothula Soumya	36	100
20	18Q61A0582	Moguloju Divya	36	100
21	18Q61A0583	Mudiam Harsha Vardhan	36	100
22	18Q61A0584	Musuku Aishwarya	0	0
23	18Q61A0585	Palvai Harish	36	100
24	18Q61A0586	Penumuchhu Ramya Keerthi	36	100
25	18Q61A0587	Pothi Reddy Karthik Reddy	36	100
26	18Q61A0588	Pulipati Soundarya	36	100
27	18Q61A0589	Pulipelli Pavani	36	100

28	18Q61A0590	Ramidi Manoj Reddy	36	100
29	18Q61A0591	Rathnavath Shiva	36	100
30	18Q61A0592	Uragadda Bhudevi	0	0
31	18Q61A0593	Velagala T N S Adhi Narayana Reddy	36	100
32	18Q61A0594	Vuppu Siva Sai Venkata Krishna Ganesh	30	83.3
33	18Q61A0595	Yempati Bala Krishna	36	100
34	18Q61A0596	Boya Mohit	36	100
35	18Q61A0597	Dindu Siddhartha Goud	36	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 20-11-2020

PROGRAM REPORT

Name of the value added course: Recent Trends and Challenges
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.N.Ranga Swamy, Subject Expert, Ask Training Services.
Name of the Coordinator: Mr.N.Chinya Assistant Professor
Number of the Participants: 30
Topics covered: The following topics covered in this program

- Identify the skills and knowledge of todays.
- Describe the evolution of data science and identify emerging trends in data science
- Outlines data visualization in information design, the tools and software.
- Details applications and techniques used in machine learning.

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ASK Training Services

This is to certify that Mr./Ms **B.ARAVIND** bearing Reg.no **18Q61A0564** Has completed **"RECENT TRENDS AND CHALLENGES"** conducted at **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy. In association with '**ASK Training Services**' from **09/11/2020** to **14/11/2020**.

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For ASK Training Services

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Head of the Department
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ASK Training Services

This is to certify that Mr./Ms **P.SOUNDARYA** bearing Reg.no **18Q61A0588** Has completed **"RECENT TRENDS AND CHALLENGES"** conducted at **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy. In association with '**ASK Training Services**' from **09/11/2020** to **14/11/2020**.

For ASK Training Services

Proprietor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/CIR/2020-2l/SEM/I/04 **Date: 10-12-2020**

CIRCULAR

This is to inform all the II B. Tech CSE students that there will be a Value Added Course on **"Design of lot applications"** from 14/12/2020 to 19/12/2020. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.M.Prasad Assistant Professor, Department Of CSE with ST Mary's Engineering College.

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BOUT THE COURSE

e Internet of Things (IoT) and smart connected vices have radically changed the way our world rks and how companies operate and create new sinesses. In this course, we provide an overview the underlying IoT technologies and their siness applications. This course is an troduction to IoT and explains why it is a ntinuously evolving concept with many dustrial applications. You will learn the ndamental building blocks of IoT and the fast-anging trends to combine them suitably for a ecise industrial application. You'll learn an rerview of what is Internet of Things (IoT) and w to develop a business model canvas. scription of typical IoT components and edge mputing concept Communication standards and g data cloud infrastructure partners to choose in e case of Iot businesses. Security requirements d techniques in IoT systems. Different types of tificial intelligence (AI) technologies and edge AI stems in the context of IoT Design thinking ncept and how-to setup the business model and venues in Iot

COURSE OBJECTIVE

udents will be explored to the interconnection d Integration of the physical world and the cyber ace. They are also able to design & develop IOT vices. This course focuses on the latest icrocontrollers with application development, oduct design and prototyping. The Internet of ings (IOT) is the next wave, world is going to tness. Today we live in an era of connected vices (mobile phones, computers etc.), the ture is of connected things (Eg: home appliances, hicles, lamp-posts, personal accessories, dustrial equipments and everything which you e in day-to-day life). Internet of Things is a term ven to the attempt of connecting objects to the ternet and also to each other - allowing people d objects themselves to analyze data from rious sources in real-time and take necessary tions in an intelligent fashion. This course will scribe the market around the Internet of Things oT), the technology used to build these kinds oF vices, how they communicate. how they store ta, and the kinds of distributed systems needed support them. Divided into four modules, we will arn by doing to start with simple Samples and integrate the techniques. And we a learn into a class project in which we design and build an actual loT system.

EXECPTED OUTCOME

To understand the fundamental application areas of IOT. Able to realize the revolution of the Internet in Mobile Devices, Cloud & Sensor Networks. Able to understand the building blocks of the Internet of Things and its characteristics. After the completion of the course, the students will be able to design some IOT-based prototypes. Understand the definition and significance of the Internet of Things, Discuss the architecture, operation, and business benefits of an IoT solution, Examine the potential business opportunities that IoT can uncover, Explore the relationship between Iot, cloud computing, and big data, identify how IoT differs from traditional data collection systems. It provides advanced data collection, connectivity, and analysis of information collected & by computers everywhere taking the concepts of Machine Machine communication further than ever before. This course gives a foundation in the Internet of Things, including th components, tools, and analysis by teaching the concepts behind the IoT and a look at real-world solutions

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ADD-ON COURSE ON

"DESIGN OF IOT APPLICATIONS"

14th TO 19th DEC,2020

Duration of the course:36 Hrs

: https://meet.google.com/zfj-pkfs-hxo

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ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Resource Person
Mr.M.Prasad
Subject Expert
Department of CSE
ST Marys Engineering college

Co-ordinator
Mrs.A.Sravani
Assistant Professor
Department of CSE



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN OF IOT APPLICATIONS**

ACADEMIC YEAR 2020-2021

B.TECH II YEAR I–SEM

Course objectives:

- To study the fundamentals about loT
- To study about loT Access technologies
- To design methodology and different IoT hardware platforms.
- To examine the potential business opportunities that IoT can uncover.
- To explore the relationship between IoT, cloud computing, and big data

Module 1 IOT Introduction: Concepts and Definitions of The Internet of Things (IoT), History of IOT, Requirements. Functionalists, and structure of IOT, loT enabling technologies, loT Architecture.

Module 2 IOT Data Acquisition & Platforms: Micro Controllers (Arduino uno/mega2560, Raspberry-Pi. ARM). Real-time systems and embedded software. OS and Drivers (End Device Program). Hardware & Software Requirements

Module 3 IOT Data Communication: How to transfer data by Wireless/Wired Connectivity, Ipv4/IPv6, Ethernet/GigE, MIPI. M-PHY, UniPro. SPMI, BIF, Super Speed USB Inter-Chip (SSIC), Relay Access Point (AP), grouping of station. Target Wake Time (TWT)

Module 4 IOT Data Storage & Retrieval: Overview and Role of Storage in Cloud / Server/In-house Storage, Databases Connectivity with IOT and uses, Case Study over Mysql/ NoSql/NewSql, Case Study over Cloud Services And Administration

Module 5-10T Data Analytics & Visualization: Analysis Of data using the Ipython Module. Visualization and interpretation of DataIOT Security: Attack. Defense.

TEXT BOOK:

1. Internet of Things (IoT) & Its Applications: A Complete Guide on Python Programming for loT with Practical Exercises for Learners: by Dr V K Sachan (Author).

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN OF IOT APPLICATIONS**

ACADEMIC YEAR 2020-2021 **Date: 10-12-2020**

II YEAR I–SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
14-12-2020	IOT Introduction: Concepts and Definitions of The Internet of Things (IoT), History of IOT, Requirements, Functionalists, and structure of IOT, IoT enabling technologies, IoT Architecture.	09:30 am to 04:00 pm	6 hour
15-12-2020	IOT Data Acquisition & Platforms: Micro Controllers (Arduino uno/mega2560, Rasberry-Pi, ARM), Real-time systems, and embedded software, OS and Drivers (End Device Program), Hardware & Software Requirements.	09:30 am to 04:00 pm	6 hour
16-12-2020	IOT Data Communication: How to transfer data by Wireless / Wired connectivity,Ipv4/lpv6, Ethernet/GigE, MIPI, M-PHY, UniPro.	09:30 am to 04:00 pm	6 hour
17-12-2020	IOT Data Storage & Retrieval: Overview and Role of Storage in Cloud/Server/Inhouse Storage, Databases Connectivity with IOT and uses.	09:30 am to 04:00 pm	6 hour
18-12-2020	IOT Data Analytics &amp: Visualization: Analysis of data using the Ipython Module.	09:30 am to 04:00 pm	6 hour
19-12-2020	Visualization and interpretation of Data, IOT Security and Lab Practice	09:30 am to 04:00 pm	6 hour
			Total – 36 Hours

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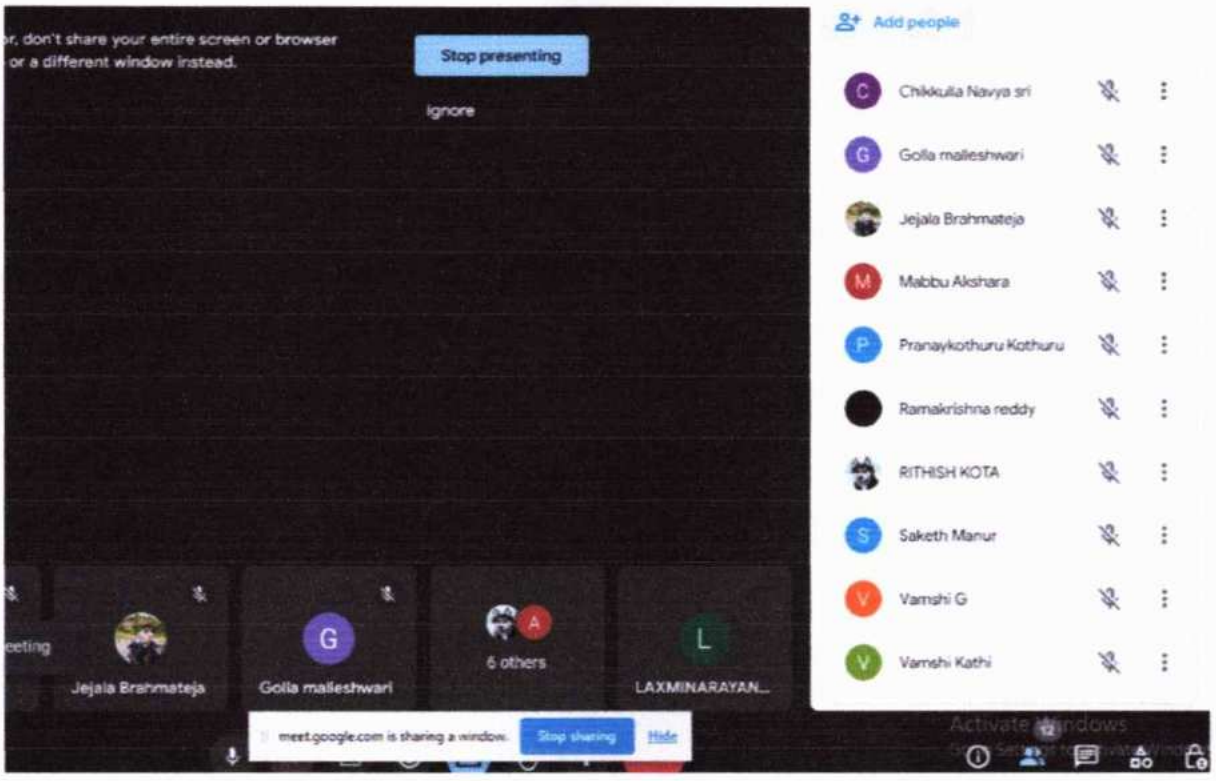

The students of II year B.Tech certificate program attending " Design Of Iot Applications" by Mr.M.Prasad assistant professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN OF IOT APPLICATIONS**

II YEAR I–SEM ENROLLED STUDENTS LIST Date: 14-12-2020 to 19-12-2020

S.NO	Roll Number	Name of The Student
1	19Q61A0501	Aerukala Shiva Kumar
2	19Q61A0502	Ailagoni Maina
3	19Q61A0503	Aitipamula Vinay Kumar
4	19Q61A0504	Alladi Ranjith
5	19Q61A0505	Alugula Venkat Reddy
6	19Q61A0506	Ambesh Yadav
7	19Q61A0507	Anantha Radhika
8	19Q61A0508	Annepu Supraja
9	19Q61A0509	Baddam Umesh Reddy
10	19Q61A0510	Badreenath Gudipudi
11	19Q61A0511	Baluguri Prashanth Rao
12	19Q61A0512	Banne Mamatha
13	19Q61A0513	Bathula Shyamkumar
14	19Q61A0514	Bhagavatula Sasank
15	19Q61A0515	Boda Manisha
16	19Q61A0516	Bodakunti Ajay Kumar
17	19Q61A0517	Bokka Arshith Reddy
18	19Q61A0518	Bollaveni Rakesh
19	19Q61A0519	Cherukuri Rakesh
20	19Q61A0520	G Satish Kumar Reddy
21	19Q61A0521	Gobburi Nandini
22	19Q61A0522	Gollapalli Dileep Kumar
23	19Q61A0523	Gopu Bhasker
24	19Q61A0524	Gudepu Sowjanya
25	19Q61A0525	Guntaka Teja Venkat Reddy
26	19Q61A0526	Gurrala Gowtham Sai
27	19Q61A0527	Jakkala Manisha
28	19Q61A0528	Jakkula Srinath
29	19Q61A0529	Janagama Sai Kumar
30	19Q61A0530	Juvvanthula Harsha
31	19Q61A0531	Kagithapu Adithya

32	19Q61A0532	Kairamkonda Pavan Kumar
33	19Q61A0533	S Manoj Reddy
34	19Q61A0534	Bojja Sai Charan Reddy

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VALUE ADDED COURSE NAME: **DESIGN OF IOT APPLICATIONS**

II YEAR I–SEM **A.Y 2020-2021** **Date: 10-12-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	14.12.20	15.12.20	16.12.20	17.12.20	18.12.20	19.12.20
1	19Q61A0501	Aerukala Shiva Kumar	P	P	P	P	P	P
2	19Q61A0502	Ailagoni Maina	P	P	P	P	P	P
3	19Q61A0503	Aitipamula Vinay Kumar	P	P	A	P	P	P
4	19Q61A0504	Alladi Ranjith	P	P	P	P	P	P
5	19Q61A0505	Alugula Venkat Reddy	P	P	P	P	P	P
6	19Q61A0506	Ambesh Yadav	P	P	P	P	P	P
7	19Q61A0507	Anantha Radhika	P	P	P	P	P	P
8	19Q61A0508	Annepu Supraja	P	P	P	P	P	P
9	19Q61A0509	Baddam Umesh Reddy	P	P	P	P	P	P
10	19Q61A0510	Badreenath Gudipudi	P	P	P	P	P	P
11	19Q61A0511	Baluguri Prashanth Rao	A	A	A	A	A	A
12	19Q61A0512	Banne Mamatha	P	P	P	P	P	P
13	19Q61A0513	Bathula Shyamkumar	P	P	P	P	P	P
14	19Q61A0514	Bhagavatula Sasank	P	P	P	P	P	P
15	19Q61A0515	Boda Manisha	A	P	P	P	P	P
16	19Q61A0516	Bodakunti Ajay Kumar	P	P	P	P	P	P
17	19Q61A0517	Bokka Arshith Reddy	P	P	P	P	P	P
18	19Q61A0518	Bollaveni Rakesh	P	P	P	P	P	P
19	19Q61A0519	Cherukuri Rakesh	P	P	P	P	P	P
20	19Q61A0520	G Satish Kumar Reddy	P	P	P	P	P	P
21	19Q61A0521	Gobburi Nandini	P	P	P	P	P	P
22	19Q61A0522	Gollapalli Dileep Kumar	A	A	A	A	A	A
23	19Q61A0523	Gopu Bhasker	P	P	P	P	P	P
24	19Q61A0524	Gudepu Sowjanya	P	P	P	P	P	P
25	19Q61A0525	Guntaka Teja Venkat Reddy	P	P	P	P	P	P
26	19Q61A0526	Gurrala Gowtham Sai	P	P	P	P	P	P
27	19Q61A0527	Jakkala Manisha	P	P	P	P	P	P
28	19Q61A0528	Jakkula Srinath	P	P	P	P	P	P
29	19Q61A0529	Janagama Sai Kumar	P	P	P	P	P	P
30	19Q61A0530	Juvvanthula Harsha	P	P	P	P	P	P

31	19Q61A0531	Kagithapu Adithya	P	P	P	P	P	P
32	19Q61A0532	Kairamkonda Pavan Kumar	P	A	P	P	P	P
33	19Q61A0533	S Manoj Reddy	P	P	P	P	P	P
34	19Q61A0534	Bojja Sai Charan Reddy	P	P	P	P	P	P

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II YEAR I–SEM **A.Y 2020-21** **Date: 14-12-2020 to 19-12-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0501	Acrukala Shiva Kumar	36	100
2	19Q61A0502	Ailagoni Maina	36	100
3	19Q61A0503	Aitipamula Vinay Kumar	30	83.3
4	19Q61A0504	Alladi Ranjith	36	100
5	19Q61A0505	Alugula Venkat Reddy	36	100
6	19Q61A0506	Ambesh Yadav	36	100
7	19Q61A0507	Anantha Radhika	36	100
8	19Q61A0508	Annepu Supraja	36	100
9	19Q61A0509	Baddam Umesh Reddy	36	100
10	19Q61A0510	Badreenath Gudipudi	36	100
11	19Q61A0511	Baluguri Prashanth Rao	0	0
12	19Q61A0512	Banne Mamatha	36	100
13	19Q61A0513	Bathula Shyamkumar	36	100
14	19Q61A0514	Bhagavatula Sasank	36	100
15	19Q61A0515	Boda Manisha	30	83.3
16	19Q61A0516	Bodakunti Ajay Kumar	36	100
17	19Q61A0517	Bokka Arshith Reddy	36	100
18	19Q61A0518	Bollaveni Rakesh	36	100
19	19Q61A0519	Cherukuri Rakesh	36	100
20	19Q61A0520	G Satish Kumar Reddy	36	100
21	19Q61A0521	Gobburi Nandini	36	100
22	19Q61A0522	Gollapalli Dileep Kumar	0	0
23	19Q61A0523	Gopu Bhasker	36	100
24	19Q61A0524	Gudepu Sowjanya	36	100
25	19Q61A0525	Guntaka Teja Venkat Reddy	36	100
26	19Q61A0526	Gurrala Gowtham Sai	36	100
27	19Q61A0527	Jakkala Manisha	36	100
28	19Q61A0528	Jakkula Srinath	36	100
29	19Q61A0529	Janagama Sai Kumar	36	100
30	19Q61A0530	Juvvanthula Harsha	36	100
31	19Q61A0531	Kagithapu Adithya	36	100
32	19Q61A0532	Kairamkonda Pavan Kumar	30	83.3

33	19Q61A0533	S Manoj Reddy	36	100
34	19Q61A0534	Bojja Sai Charan Reddy	36	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 28-12-2020

PROGRAM REPORT

Name of the value added course: Design of IOT applications
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.M.Prasad, Subject Expert,ST Mary's Engineering College.
Name of the Coordinator: Mrs.A.Sravani Assistant Professor
Number of the Participants: 32
Topics covered: The following topics covered in this program

- IOT Requirements. Functionalists and structure of IOT, IOT enabling technologies IOT Architecture. The major components of IOT (Hardware damp: Software's, IOT Communication and networking protocols
- Platforms: Micro Controllers Arduino movime2560 Raspberry-PL ARM, Real-time systems, and embedded software.
- How to transfer data by Wireless Wired connectivity, Ipv4/Ipv6, Ethernet/GigE, MIPL, M-PHY, UnitPro, SPMI, BIF, Overview and Role of storage in Cloud/Server/In house storage, Databases Connectivity.
- Visualization: Analysis Of data using the python Module, Visualization and interpretation of Data

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **A.MAINA** Bearing roll number **19Q61A0502** from the department of **Computer Science and Engineering** completed the value added course on "**DESIGN OF IOT APPLICATIONS**" During the year **2020-21**.

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Head of The Department

Co-Ordinator
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Principal

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **J.HARSHA** Bearing roll number **19Q61A0530** from the department of **Computer Science and Engineering** completed the value added course on "**DESIGN OF IOT APPLICATIONS**" During the year **2020-21**.

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Ranga Reddy District.

Head of The Depattment

Co-Ordinator

CO ORDINATOR
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/CIR/2020-2l/SEM/I/05 **Date: 28-01-2021**

CIRCULAR

This is inform that All the II B. Tech CSE students are thus informed that a training session for the add-on course "**Python for Data Science**" will be held from 01/02/2021 to 06/02/2021. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.V.Sudhir Kumar Assistant Professor, Department of CSE with Pallavi Engineering College.

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ABOUT THE COURSE

In this course, you are learning Python for data science, as well as programming in general. This beginner-friendly Python course will take you from zero to programming in Python in a matter of hours. Upon its completion, you'll be able to write your own Python scripts. You'll be able to write your own Python scripts and perform basic hands-on data analysis using our Jupyter-based lab environment. This Data Science with Python course is designed to equip you with skills to work with Python Programming to achieve Data Science tasks. You will be knowledgeable about the concept of statistics in detail, followed by a case study demonstration. You will then understand data transformation, different types of distributions, and histogram. Further learn Python programming to understand some essential libraries of Python, such as NumPy, Pandas, Matplotlib, and Sea born. This course will also teach regression models, data analytics, and data visualization concepts. Test the knowledge you gain from his course by completing the quiz and receiving a course completion certificate.

COURSE OBJECTIVE

In this module, you will be introduced to statistics which comes with data problems, whereas machine learning is used to solve these problems in this first module of the course. It also discusses some real-life scenarios of problems occurring with the data in statistics. Later you will understand three steps to process the information such as descriptive, predictive, and prescriptive. Descriptive statistics means describing the data without necessarily trying to build any prediction or model into it. In this module, It will help you understand descriptive statistics by giving real-life examples. Next, you will learn the term random variable. Lastly, that will familiarize you with the case study, which will be the main objective of the next module. The case study will be carried out in Jupyter Notebook. You will also understand the descriptive analytics required to create customer profiles for the organization. You will learn briefly bout the problem statement and how you can derive the solution using Numpy and Pandas libraries in the Jupyter Notebook. This course describes measures of central tendency by formulating to solve for the example and also analyzes various metrics of the solution through graphs

EXECPTED OUTCOME

This course provides students with wide general overview of Python a general-purpose programming language that is becoming ever more popular for data science. The focus is on the application of Python specifically for data science. The course is about ways to import, store and manipulate data, and helpful data science tools to conducting data analyses. The course is intended for students with little programming background. The learning process is facilitated with DataCamp platform. Expected Learning Outcomes are Know basic data types in Python. Know operators, how to clean and merge datasets. Know pandas library, the main methods for Data Frames, Know how to import data in Python, Know how to work in Jupyter Notebook .

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ADD-ON COURSE ON

"PYTHON FOR DATA SCIENCE

1st TO 6th FEB,2021

Duration of the course:36 Hrs

: https://meet.google.com/zfj-pkfs-hxo

Resource Person
Mr.V.Sudhir Kumar
Subject Expert
Department of CSE
Pallavi Engineering College

Co-ordinator
Mr.T.Sravan kumar
Assistant Professor
Department of CSE

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ORGANIZED BY :

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON FOR DATA SCIENCE**

VALUE ADDED COURSE SYLLABUS

II YEAR I–SEM ACADEMIC YEAR 2020-2021

Course objectives:

1. To expose the learners to the skills required to tackle and solve complex real-world Data science problems more sensibly and effectively.
2. To develop research interest towards advances in data science techniques and algorithms
3. To provide well-rounded insights into the data science algorithms and hands-on activities using python.
4. To Know how to import data in Python
5. To Know operators, how to clean and merge datasets

Module 1: Python: Environment set-up, Jupiter overview, Python Numpy, Python Pandas, Python Matplotlib

Module 2: R: An introduction to R, Data structures in R, Data visualization with R, Data analysis with R.

Module 3: Statistics: Important statistical concepts used in beta science, Difference between population and sample, Types of variables, Measures of central tendency, Measures of variability, Coefficient of variance, Skewers and Kurtosis,

Module 4: Inferential statistics, Normal distribution, Test hypotheses, Central limit theorem, Confidence interval, T-test, Type I and II errors, Student's T distribution

Module 5: Regression and Anova: Regression, ANOVA, R square, Correlation and causation. Exploratory data analysis: Data visualization, Missing value analysis, the correction matrix, Outlier detection analysis.

TEXT BOOK:

1. Python Data Science Handbook: Essential Tools For Working with Data by Jake VanderPlas

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON FOR DATA SCIENCE**

ACADEMIC YEAR 2020-2021 **Date: 28-01-2021**

II YEAR I–SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	**Python:** Environment set-up, Jupyter overview, Python Numpy, Python Pandas, Python Matplotlib.	09:30 am to 04:00 pm	6 hour
02-02-2021	**R:** An introduction to R, Data structures in R, Data aloud	09:30 am to 04:00 pm	6 hour
03-02-2021	**Statistics:** Important statistical concepts used in data science, Difference between population and sample, Types of variables, Measures of central tendency, Measures of variability. Coefficient of variance, Skewness and Kurtosis.	09:30 am to 04:00 pm	6 hour
04-02-2021	**Inferential statistics-** Normal distribution, Test hypotheses, Central limit theorem, Confidence interval, T-test, Type I and II errors, Student's T distribution.	09:30 am to 04:00 pm	6 hour
05-02-2021	**Regression and ANOVAS**: Regression, ANOVA, R square, Correlation and causation, Data visualization, Missing value analysis, The correction matrix, Outlier detection analysis.	09:30 am to 04:00 pm	6 hour
06-02-2021	Data visualization, Missing value analysis, the correction matrix, Outlier detection analysis.	09:30 am to 04:00 pm	6 hour
			Total – 36 Hours

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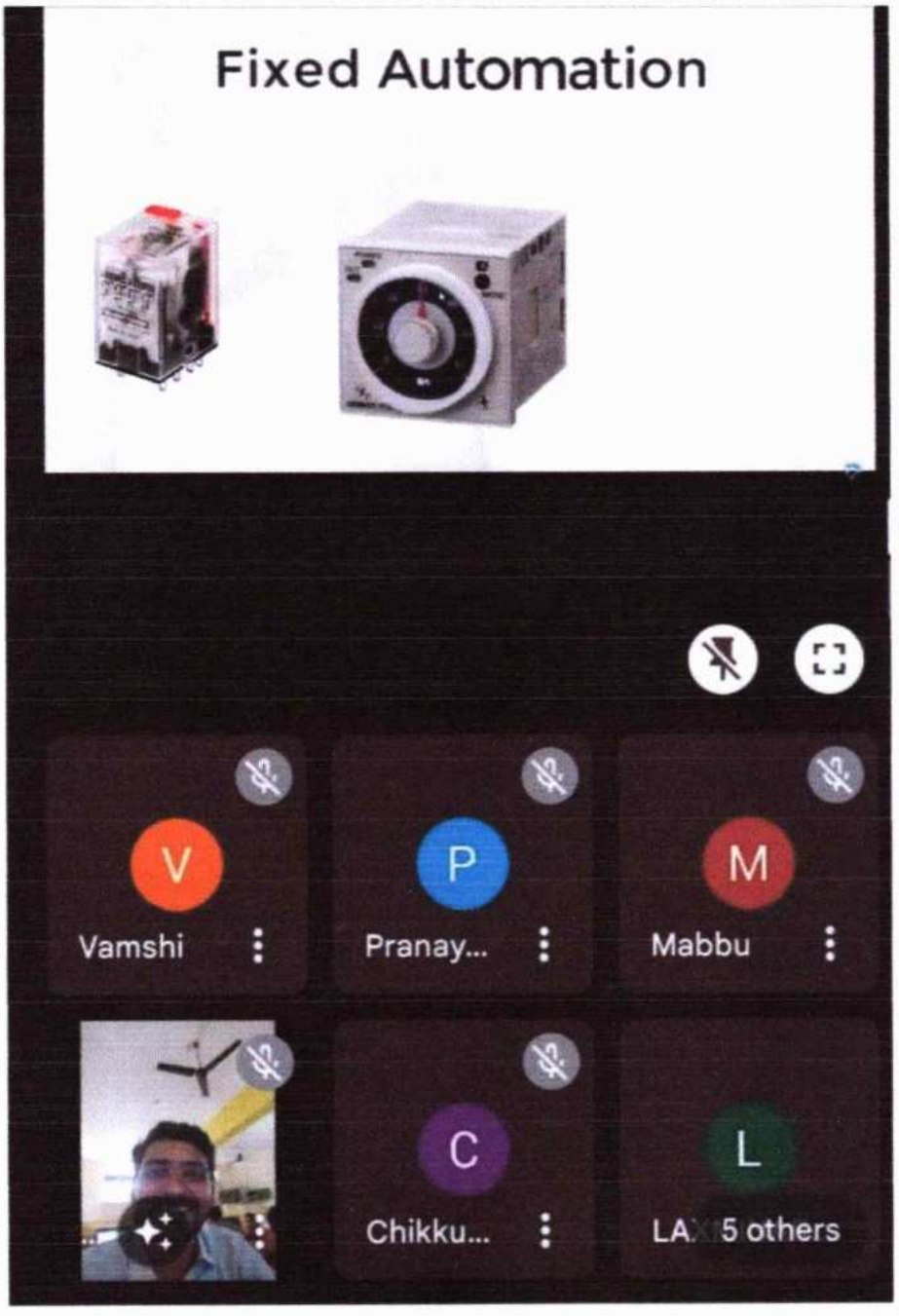

The students of II year B.Tech certificate program attending "Python for Data Science" by Mr.V.Sudhir Kumar assistant professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON FOR DATA SCIENCE**

II YEAR -I SEM ENROLLED STUDENTS LIST Date: 01-02-2021 to 06-02-2021

S.NO	Roll Number	Name of The Student
1	19Q61A0535	Chittiprolu Arun Kumar
2	19Q61A0536	Guntoju Renuka
3	19Q61A0537	I Raghavendra Reddy
4	19Q61A0538	Jitta Rajashekar
5	19Q61A0539	Katam Sneha
6	19Q61A0540	Kolli Priyanka Chowdary
7	19Q61A0541	Mohammed Sameer Ahmed
8	19Q61A0542	Mudireddy Niteesh Reddy
9	19Q61A0543	Abhinav Kumar Singh
10	19Q61A0544	Ajaykumar Vakiti
11	19Q61A0545	Anisetty Ganesh
12	19Q61A0546	Aryan Muni
13	19Q61A0547	Balasani Praneethsai
14	19Q61A0548	Budde Chandu
15	19Q61A0549	Busi Vasudev Yadav
16	19Q61A0550	Chintanippu Vamshi
17	19Q61A0551	Dandu Rahulsai Kumar Reddy
18	19Q61A0552	Daripally Sri Ram
19	19Q61A0553	Devarakonda Vinay
20	19Q61A0554	Donda Thulasi
21	19Q61A0555	G Guru Charan
22	19Q61A0556	Gadiga Gayathri Nadh
23	19Q61A0557	Gudipudi Ravi Prakash
24	19Q61A0558	Gundeti Pavan Kumar
25	19Q61A0559	Katta Asrith Reddy
26	19Q61A0560	Kayyala Akshay Yadav
27	19Q61A0561	Kampati Tarun Kumar
28	19Q61A0562	Kancharla Akshitha
29	19Q61A0563	Kancharla Saikumar
30	19Q61A0564	Kandhi Vidhya Reddy
31	19Q61A0565	Kandula Manasa
32	19Q61A0566	Karakatla Lokesh

33	19Q61A0567	Kasam Sai Teja
34	19Q61A0568	Kasukurthi Sri Sowmya Devi

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON FOR DATA SCIENCE**

II YEAR I–SEM **A.Y 2020-2021** **Date: 28-01-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21	06.02.21
1	19Q61A0535	Chittiprolu Arun Kumar	P	P	P	P	P	P
2	19Q61A0536	Guntoju Renuka	P	P	P	P	P	P
3	19Q61A0537	I Raghavendra Reddy	P	P	P	P	P	P
4	19Q61A0538	Jitta Rajashekar	A	A	A	A	A	A
5	19Q61A0539	Katam Sneha	P	P	P	P	P	P
6	19Q61A0540	Kolli Priyanka Chowdary	P	P	P	P	P	P
7	19Q61A0541	Mohammed Sameer Ahmed	P	P	P	P	P	P
8	19Q61A0542	Mudireddy Niteesh Reddy	P	P	P	P	P	P
9	19Q61A0543	Abhinav Kumar Singh	P	P	P	P	P	P
10	19Q61A0544	Ajaykumar Vakiti	P	P	P	P	P	P
11	19Q61A0545	Anisetty Ganesh	P	P	P	P	P	P
12	19Q61A0546	Aryan Muni	P	P	P	P	P	P
13	19Q61A0547	Balasani Praneethsai	P	A	P	P	P	P
14	19Q61A0548	Budde Chandu	P	P	P	P	P	P
15	19Q61A0549	Busi Vasudev Yadav	P	P	P	P	P	P
16	19Q61A0550	Chintanippu Vamshi	P	P	P	P	P	P
17	19Q61A0551	Dandu Rahulsai Kumar Reddy	P	P	P	P	P	P
18	19Q61A0552	Daripally Sri Ram	P	P	P	P	P	P
19	19Q61A0553	Devarakonda Vinay	P	P	P	P	P	P
20	19Q61A0554	Donda Thulasi	A	P	P	P	P	P
21	19Q61A0555	G Guru Charan	P	P	P	P	P	P
22	19Q61A0556	Gadiga Gayathri Nadh	P	P	P	P	P	P
23	19Q61A0557	Gudipudi Ravi Prakash	P	P	P	P	P	P
24	19Q61A0558	Gundeti Pavan Kumar	P	P	P	P	P	P
25	19Q61A0559	Katta Asrith Reddy	P	P	P	P	P	P
26	19Q61A0560	Kayyala Akshay Yadav	P	P	P	P	P	P
27	19Q61A0561	Kampati Tarun Kumar	P	P	P	P	P	P
28	19Q61A0562	Kancharla Akshitha	P	P	P	P	P	P
29	19Q61A0563	Kancharla Saikumar	P	P	P	P	P	P
30	19Q61A0564	Kandhi Vidhya Reddy	A	A	A	A	A	A

31	19Q61A0565	Kandula Manasa	A	A	A	A	A	A
32	19Q61A0566	Karakatla Lokesh	P	P	A	P	P	P
33	19Q61A0567	Kasam Sai Teja	P	P	P	P	P	P
34	19Q61A0568	Kasukurthi Sri Sowmya Devi	A	A	A	A	A	A

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON FOR DATA SCIENCE**

II YEAR -I SEM **A.Y 2020-21** **Date: 01-02-2021 to 06-02-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0535	Chittiprolu Arun Kumar	36	100
2	19Q61A0536	Guntoju Renuka	36	100
3	19Q61A0537	I Raghavendra Reddy	36	100
4	19Q61A0538	Jitta Rajashekar	0	0
5	19Q61A0539	Katam Sneha	36	100
6	19Q61A0540	Kolli Priyanka Chowdary	36	100
7	19Q61A0541	Mohammed Sameer Ahmed	36	100
8	19Q61A0542	Mudireddy Niteesh Reddy	36	100
9	19Q61A0543	Abhinav Kumar Singh	36	100
10	19Q61A0544	Ajaykumar Vakiti	36	100
11	19Q61A0545	Anisetty Ganesh	36	100
12	19Q61A0546	Aryan Muni	36	100
13	19Q61A0547	Balasani Praneethsai	30	83.3
14	19Q61A0548	Budde Chandu	36	100
15	19Q61A0549	Busi Vasudev Yadav	36	100
16	19Q61A0550	Chintanippu Vamshi	36	100
17	19Q61A0551	Dandu Rahulsai Kumar Reddy	36	100
18	19Q61A0552	Daripally Sri Ram	36	100
19	19Q61A0553	Devarakonda Vinay	36	100
20	19Q61A0554	Donda Thulasi	30	83.3
21	19Q61A0555	G Guru Charan	36	100
22	19Q61A0556	Gadiga Gayathri Nadh	36	100
23	19Q61A0557	Gudipudi Ravi Prakash	36	100
24	19Q61A0558	Gundeti Pavan Kumar	36	100
25	19Q61A0559	Katta Asrith Reddy	36	100
26	19Q61A0560	Kayyala Akshay Yadav	36	100
27	19Q61A0561	Kampati Tarun Kumar	36	100
28	19Q61A0562	Kancharla Akshitha	36	100
29	19Q61A0563	Kancharla Saikumar	36	100
30	19Q61A0564	Kandhi Vidhya Reddy	0	0
31	19Q61A0565	Kandula Manasa	0	0

32	19Q61A0566	Karakatla Lokesh	30	83.3
33	19Q61A0567	Kasam Sai Teja	36	100
34	19Q61A0568	Kasukurthi Sri Sowmya Devi	0	0

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 10-02-2021

PROGRAM REPORT

Name of the value added course: Python for Data Science
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.V.Sudhir Kumar, Subject Expert, Pallavi Engineering College.
Name of the Coordinator: Mr.T.Shravan Kumar, Assistant Professor
Number of the Participants: 30
Topics covered: The following topics covered in this program

- Python Environment set-up. Jupiter overview. Python Numpy. Python Pandas. Python Matplotlib.
- Data structures in R. Data visualization with R. Data analysis with R.
- Important statistical concepts used in data science. Difference between population and sample. Types of variables, Measures of central tendency.
- Measures of variability. Coefficient of variance. Scenes and Kurtosis

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.RENUKA** Bearing roll number **19Q61A0536** from the department of **Computer Science and Engineering** completed the value added course on **"PYTHON FOR DATA SCIENCE"** During the year **2020-21**.

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Head of The Department

Co-Ordinator

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **K.SAITEJA** Bearing roll number **19Q61A0567** from the department of **Computer Science and Engineering** completed the value added course on **"PYTHON FOR DATA SCIENCE"** During the year **2020-21**.

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Ranga Reddy District.

Head of The Department

Co-Ordinator

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/II/01 **Date: 18-03-2021**

CIRCULAR

This is to inform all the III B. Tech CSE students that there will be an Add-on course training program on "**Full stack web development**" Department Advisory Committee has been identified **Mrs.J.Spandana Assistant Professor in Dept of CSE** as a resource person for this course. Participating students will be awarded Certificates of Course Completion .This course is scheduled for 06 days which will take place from 22-03-2021 to 27-03-2021in online mode through Google Meet.

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ABOUT THE COURSE

Full-stack development is the process of designing, creating, testing, and deploying a complete web application from start to finish. It involves working with various technologies and tools, including front-end web development, back-end web development, and database development. Full Stack Development refers to the development of the front-end and back-end of a website. A full-stack developer is one who has good knowledge of front-end (HTML, CSS, and JavaScript) along with frameworks, and back-end (a programming language, APIs, NodeJS) integrating with databases (Oracle, MongoDB, and SQL). The front end is the UI (User Interface) part of the application; the back end takes care of the data management and servers. In this course, you will master skills like Java, Data Structures. HTML, CSS, React, Redux, Express, NodeJS, MongoDB, The advantage of being a full-stack web developer is, can master all the techniques involved in a development project, make a prototype very rapidly, provide help to all the team members, reduce the cost of the project and better understand all aspects of new and upcoming technologies.

COURSE OBJECTIVE

Students should be able to Use their learned skills, knowledge and abilities to develop web sites for the internet. Apply basic design principles to present ideas, information, products, and services on websites. Apply basic programming principles to the construction of websites. Effectively manage website projects using available resources. Demonstrate communication skills, service management skills, and presentation skills. Apply employability skills including fundamental skills, personal management skills, and teamwork skills. Design user interactions on web pages. Develop back end website applications. Create servers and databases for functionality. Develop adaptive content for multiple devices (cell phone, tablets, etc.)Ensure cross-platform optimization for mobile phones. Ensure responsiveness applications. Work alongside graphic designers web design features. Manage a project from conception to finished product. Design and develop Application Programming Interfaces (APIs). Meet both technical and consumer needs for a web development project. Learn to research new methods of development in web applications and programming languages.

EXECPTED OUTCOME

Structure and implement HTML/CSS, apply intermediate and advanced web development practices, implement basic JavaScript, create visualizations in accordance with UI/UX theories, Develop a fully functioning website and deploy on a web server, Find and use code packages based on their documentation to produce working results in a project. Create web pages that function using external data, Architect solutions to programming problems by combining visual components and classes, Develop JavaScript applications that transition between states. Identify mobile strategies and design for multiple operating systems. Distinguishing trends in multi-device implementation. Create visualizations in accordance with UI/UX theories. Derive information from data and implement data into applications.

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Resource person
Mrs.J.Spandana
Assistant Professor
Department of CSE.

Co-ordinator
Mr.S.Srinivas
Assistant Professor
Department of CSE

Class starts from 22.03.2021 to 27.03.2021 at 09:30AM - 04:00PM.

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ADD-ON COURSE ON

"FULL STACK WEB DEVELOPMENT"

22nd TO 27th MAR,2021

Duration of the course:36 Hrs

: https://meet.google.com/jhu-mjks-rdo

ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **FULL STACK WEB DEVELOPMENT**

VALUE ADDED COURSE SYLLABUS

III YEAR II–SEM **ACADEMIC YEAR 2020-2021**

Course objectives:

1. To introduce the fundamentals of Internet, and the principles of web design.
2. To construct basic websites using HTML and Cascading Style Sheets.
3. To develop modern interactive web applications using PHP, XML and MySQL
4. To Structure and implement HTML/CSS
5. To Apply intermediate and advanced web development practices.

Module-1: Introduction to HTML. Browsers and HTML, Editor's Offline and Online. Tags Attribute and Elements, Do type Element, Comments. Headings, Paragraphs, and Formatting Text, Lists and Links, Images and Tables

Module-II: Introduction CSS. Applying CSS to HTML, Selectors, Properties and Values. CSS Colors and Backgrounds, CSS Box Model. CSS Margins, Padding, and Borders, CSS Text and Font Properties.

Module-III: Applying JavaScript (internal and external). Understanding JS Syntax, Variable and Operates Data Types and Num Type Conversion, Math and String Manipulation, Objects and Armays. Date and Time, Conditional Statements, Switch Case, Looping in JS.

Module IV: Tinplating using JSX, Component, State and Props. Lifecycle of Components, Rendering List and Portals, Firror Handling, Routers.

Module -V: Nodejs Overview. Nodej Comanand Utilities, Node is Modules Basics and Setup, Nodejs Console, Nodejs

TEXT BOOK:

1. The Full Stack Developer Essential Guide to the Everyday Skills Expected of a Modem Full Stack Web Developer by Chris Northwood (Author).

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **FULL STACK WEB DEVELOPMENT**

ACADEMIC YEAR 2020-2021 **Date: 18-03-2021**

III YEAR II–SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
22-03-2021	Introduction to HTML, Browsers and HTML, Editor's Offline and Online. Tags, Attribute and Elements, Doc type Element, Comments, Headings, Paragraphs, and Formatting Text, Lists and Links, Images and Tables.	09:30 am to 04:00 pm	6 hour
23-03-2021	Introduction CSS,. Applying CSS to HTML, Selectors, Properties and Values, CSS Colors and Backgrounds. CSS Box Model, CSS Margins, Padding, and Borders, CSS Text and Font Properties.	09:30 am to 04:00 pm	6 hour
24-03-2021	Applying JavaScript (internal and external), Understanding IS Syntax, Variables and Operators, Data. Types and Num Type Conversion, Math and String Manipulation, Objects and Arrays. Date and Time	09:30 am to 04:00 pm	6 hour
25-03-2021	Templating using JSX. Components, State and Props. Lifecycle of Components.	09:30 am to 04:00 pm	6 hour
26-03-2021	Node js Overview, Node js-Basics and Setup, Node js Console, Node Js Command utilities, Node js Modules	09:30 am to 04:00 pm	6 hour
27-03-2021	Rendering List and Portals Error Handling ,Routers Redux and Saga, Immutable.js, Lab practice	09:30 am to 04:00 pm	6 hour
			Total – 36 hours

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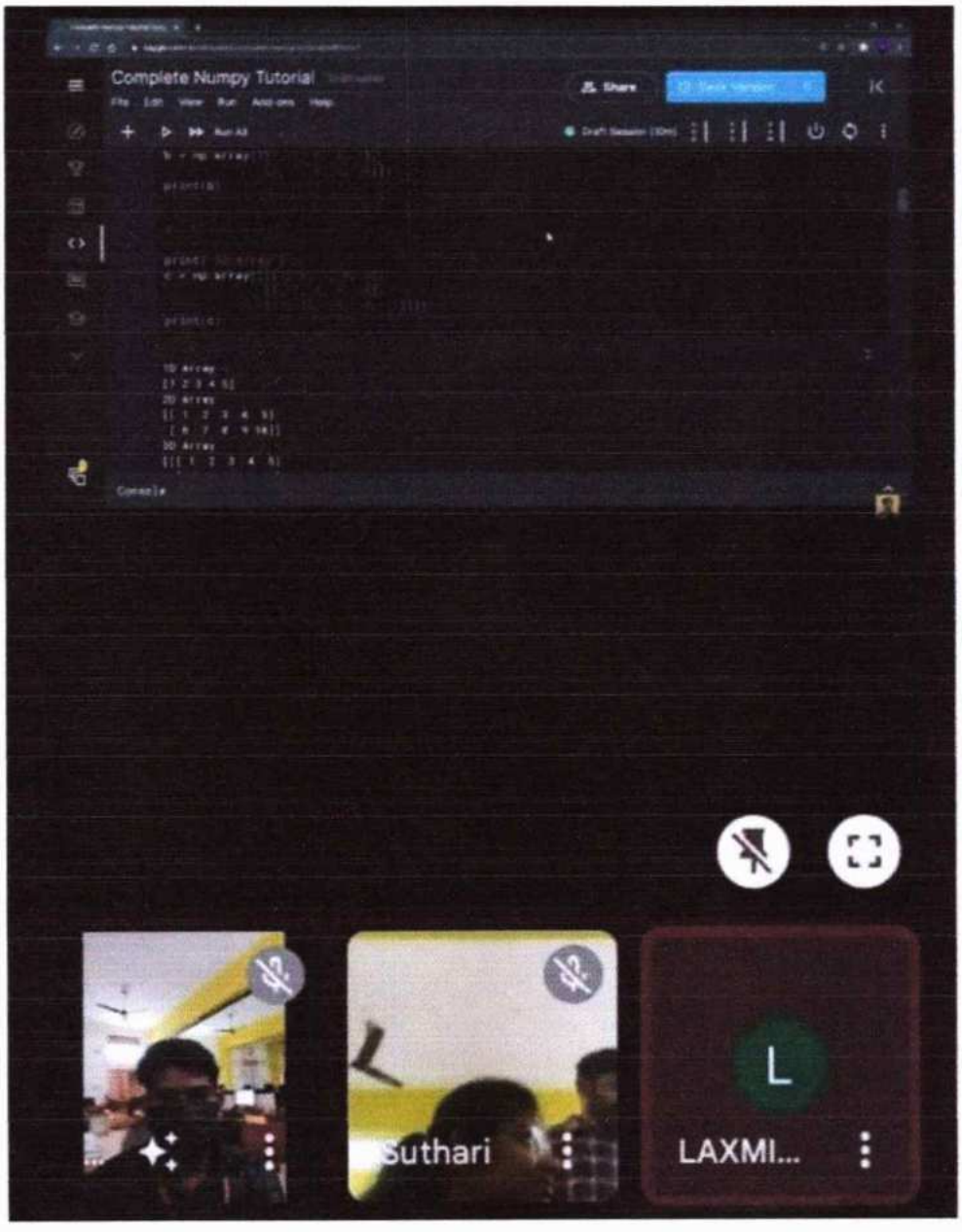

The students of III year B.Tech certificate program attending "Full stack web development" by Mrs.J.Spandana assistant professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **FULL STACK WEB DEVELOPMENT**

III YEAR II–SEM ENROLLED STUDENTS LIST Date: 22-03-2021 to 27-03-2021

S.NO	Roll Number	Name of The Student
1	18Q61A0598	Gurijala Keerhi Sagar
2	18Q61A0599	Kondraju Gopi Raju
3	18Q61A05A0	Manne Madhumitha Reddy
4	18Q61A05A1	Popally Nagaraju
5	18Q61A05A2	Sarikonda Dorya Shivanandi Raju
6	18Q61A05A3	K Bharath Kumar Reddy
7	18Q61A05A4	R Praveen
8	18Q61A05A5	Rachuri Aishwarya
9	18Q61A05A6	Sattu Saikiran
10	18Q61A05A7	Surkanti Navjeevan Reddy
11	18Q61A05A8	Valavala Venkata Santosh
12	18Q61A05A9	Karanam Sai Vandana Sreeja
13	18Q61A05B0	Dasari Vivek
14	18Q61A05B1	Seervi Sunil
15	18Q61A05B2	Challa Nithish Reddy
16	18Q61A05B3	Cherukumalli Vasu Babu
17	18Q61A05B4	Sama Shravani
18	18Q61A05B5	Nikhil
19	17Q61A0507	Boina Narasimha Srivatsa
20	17Q61A0527	Madugula Uma Maheshwar Rao
21	17Q61A0551	Suddapally Sunny
22	17Q61A0572	Kamakanti Pranay
23	17Q61A0579	Vemanamandu Ganesh Krishna
24	19Q65A0501	A Madhuri
25	19Q65A0502	Aligapally Shilpa
26	19Q65A0503	Allakonda Pranay Kumar
27	19Q65A0504	Boinapally Venkatesh

28	19Q65A0505	Dulgunde Vikas
29	19Q65A0506	Kongari Dharani
30	19Q65A0507	Kudire Manasa
31	19Q65A0508	Maragoni Mounika
32	19Q65A0509	Nalla Kumar
33	19Q65A0510	Rudra Bhanusri
34	19Q65A0511	Sripathi Naveen
35	19Q65A0512	Uppu Nihal Tarun

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **FULL STACK WEB DEVELOPMENT**

III YEAR II–SEM **A.Y 2020-2021** **Date: 18-03-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	22.03.21	23.03.21	24.03.21	25.03.21	26.03.21	27.03.21
1	18Q61A0598	Gurijala Keerhi Sagar	A	A	A	A	A	A
2	18Q61A0599	Kondraju Gopi Raju	P	P	P	P	P	P
3	18Q61A05A0	Manne Madhumitha Reddy	A	P	P	P	P	P
4	18Q61A05A1	Popally Nagaraju	P	P	P	P	P	P
5	18Q61A05A2	Sarikonda Dorya Shivanandi Raju	P	P	P	P	P	P
6	18Q61A05A3	K Bharath Kumar Reddy	P	P	P	P	P	P
7	18Q61A05A4	R Praveen	P	P	P	P	P	P
8	18Q61A05A5	Rachuri Aishwarya	P	P	P	P	P	P
9	18Q61A05A6	Sattu Saikiran	P	P	P	P	P	P
10	18Q61A05A7	Surkanti Navjeevan Reddy	A	A	A	A	A	A
11	18Q61A05A8	Valavala Venkata Santosh	P	P	P	P	P	P
12	18Q61A05A9	Karanam Sai Vandana Sreeja	P	P	P	P	P	P
13	18Q61A05B0	Dasari Vivek	P	P	P	P	P	P
14	18Q61A05B1	Seervi Sunil	P	A	P	P	P	P
15	18Q61A05B2	Challa Nithish Reddy	P	P	P	P	P	P
16	18Q61A05B3	Cherukumalli Vasu Babu	P	P	P	P	P	P
17	18Q61A05B4	Sama Shravani	P	P	P	P	P	P
18	18Q61A05B5	Nikhil	P	P	P	P	P	P
19	17Q61A0507	Boina Narasimha Srivatsa	P	P	P	P	P	P
20	17Q61A0527	Madugula Uma Maheshwar Rao	A	P	P	P	P	P
21	17Q61A0551	Suddapally Sunny	P	P	P	P	P	P
22	17Q61A0572	Kamakanti Pranay	P	P	P	P	P	P
23	17Q61A0579	Vemanamandu Ganesh Krishna	P	P	P	P	P	P
24	19Q65A0501	A Madhuri	P	P	P	P	P	P
25	19Q65A0502	Aligapally Shilpa	P	P	P	P	P	P
26	19Q65A0503	Allakonda Pranay Kumar	P	P	P	P	P	P
27	19Q65A0504	Boinapally Venkatesh	A	A	A	A	A	A

28	19Q65A0505	Dulgunde Vikas	A	A	A	A	A	A
29	19Q65A0506	Kongari Dharani	P	P	P	P	P	P
30	19Q65A0507	Kudire Manasa	P	P	A	P	P	P
31	19Q65A0508	Maragoni Mounika	P	P	P	P	P	P
32	19Q65A0509	Nalla Kumar	A	P	P	P	P	P
33	19Q65A0510	Rudra Bhanusri	P	P	P	P	P	P
34	19Q65A0511	Sripathi Naveen	P	P	P	P	P	P
35	19Q65A0512	Uppu Nihal Tarun	A	A	A	A	A	A

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **FULL STACK WEB DEVELOPMENT**

III YEAR II–SEM **A.Y 2020-21** **Date: 22-03-2021 to 27-03-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0598	Gurijala Keerhi Sagar	0	0
2	18Q61A0599	Kondraju Gopi Raju	36	100
3	18Q61A05A0	Manne Madhumitha Reddy	30	83.3
4	18Q61A05A1	Popally Nagaraju	36	100
5	18Q61A05A2	Sarikonda Dorya Shivanandi Raju	36	100
6	18Q61A05A3	K Bharath Kumar Reddy	36	100
7	18Q61A05A4	R Praveen	36	100
8	18Q61A05A5	Rachuri Aishwarya	36	100
9	18Q61A05A6	Sattu Saikiran	36	100
10	18Q61A05A7	Surkanti Navjeevan Reddy	0	0
11	18Q61A05A8	Valavala Venkata Santosh	36	100
12	18Q61A05A9	Karanam Sai Vandana Sreeja	36	100
13	18Q61A05B0	Dasari Vivek	36	100
14	18Q61A05B1	Seervi Sunil	30	83.3
15	18Q61A05B2	Challa Nithish Reddy	36	100
16	18Q61A05B3	Cherukumalli Vasu Babu	36	100
17	18Q61A05B4	Sama Shravani	36	100
18	18Q61A05B5	Nikhil	36	100
19	17Q61A0507	Boina Narasimha Srivatsa	36	100
20	17Q61A0527	Madugula Uma Maheshwar Rao	30	83.3
21	17Q61A0551	Suddapally Sunny	36	100
22	17Q61A0572	Kamakanti Pranay	36	100
23	17Q61A0579	Vemanamandu Ganesh Krishna	36	100
24	19Q65A0501	A Madhuri	36	100
25	19Q65A0502	Aligapally Shilpa	36	100
26	19Q65A0503	Allakonda Pranay Kumar	36	100
27	19Q65A0504	Boinapally Venkatesh	0	0

28	19Q65A0505	Dulgunde Vikas	0	0
29	19Q65A0506	Kongari Dharani	36	100
30	19Q65A0507	Kudire Manasa	30	83.3
31	19Q65A0508	Maragoni Mounika	36	100
32	19Q65A0509	Nalla Kumar	30	83.3
33	19Q65A0510	Rudra Bhanusri	36	100
34	19Q65A0511	Sripathi Naveen	36	100
35	19Q65A0512	Uppu Nihal Tarun	0	0

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 05-04-2021

PROGRAM REPORT

Name of the value added course: Full stack web development
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mrs.J.Spandana, Assistant Professor
Name of the Coordinator: Mr.S.Srinivas, Assistant Professor
Number of the Participants: 30
Topics covered: The following topics covered in this program

- Introduction to HTML. Browsers and HTML. Editor's Offline and Online. Tags Attribute and Elements. Do type Element. Comments. Properties and Values CSS Colors and Backgrounds, CSS Box Model, CSS Margins Padding.
- Applying JavaScript (internal and external), Understanding JS Syntax, Variables and Operators Data Types and Num Type Conversion. Math and String Manipulation Objects and Arrays.
- Components, State and Props, Lifecycle of Components. Rendering List and Portals Error Handling, Routers, Redux and Redux Saga Immutable.Js.

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **S.NAVEEN** Bearing roll number **19Q65A0511** from the department of **Computer Science and Engineering** completed the value added course on "**FULL STACK WEB DEVELOPMENT**" During the year **2020-21**.

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Co-Ordinator

Principal
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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **P.NAGARAJU** Bearing roll number **18Q61A05A1** from the department of **Computer Science and Engineering** completed the value added course on **"FULL STACK WEB DEVELOPMENT"** During the year **2020-21.**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/SEM/II/02 **Date: 24-03-2021**

CIRCULAR

This is to inform all the II B. Tech CSE students that there will be an Add-on course training program on "**ADVANCED JAVA REFLECTION** "from 29-03-2021 to 03-04-2021. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.CH.Hemanth with Conscience Technologies.

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Ranga Reddy District.

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II B. Tech CSE students
Dept. file

ABOUT THE COURSE

The "Advance Java Reflection for Java" course is a technical course that is designed for 2nd year 2nd semester IT students. This course aims to provide students with a comprehensive understanding of the Java Reflection API, which is an advanced feature of the Java programming language.

The course is likely to cover topics such as:

1. Introduction to Java Reflection: What is Java Reflection and how it works in the Java language.
2. Class Inspection: How to inspect the structure of a Java class using the Reflection API.
3. Method Invocation: How to dynamically invoke methods on a Java object using Reflection.
4. Field Access: How to access and modify the fields of a Java object using Reflection.

COURSE OBJECTIVES

The objectives of the "Advance Java Reflection for Java" course for 2nd year 2nd semester IT students can include the following:

1. To provide a comprehensive understanding of the Java Reflection API and its capabilities.
2. To equip students with the skills to dynamically inspect, modify and extend the behaviour of Java objects at runtime.
3. To enable students to use the Java Reflection API to create dynamic and flexible Java applications.

EXPECTED OUTCOMES

The expected outcomes of the "Advance Java Reflection for Java" course the following:

1. Improved knowledge and understanding of the Java Reflection API and its capabilities.
2. Enhanced ability to inspect, modify and extend the behavior of Java objects at runtime using the Reflection API.
3. Development of practical skills in using the Java Reflection API to create dynamic and flexible Java applications.
4. Increased confidence and competence in using Java Reflection to solve real-world programming problems.
5. Improved problem-solving skills through hands-on experience in working with the Reflection API.
6. Enhanced employability and competitiveness in the IT industry through advanced knowledge and skills in Java programming.
7. Increased creativity and critical thinking skills through exploration of new and innovative uses for Java Reflection.

Resource Person
Mr.CH.Hemanth
Technical Trainer
Conscience Technologies

Co-ordinator :
Mr.S.Raghu
Assistant Professor
Department of CSE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@LSfaAMKKLKLK6gqSCGCE4gJz3wbKtECF6ONOUD7J3hFN8DFmElG/viewform

Class starts from 29-03-2021 to 03-04-2021 10AM-4 PM

Google Meet Link: https://meet.google.com/www-bmcp-ggii

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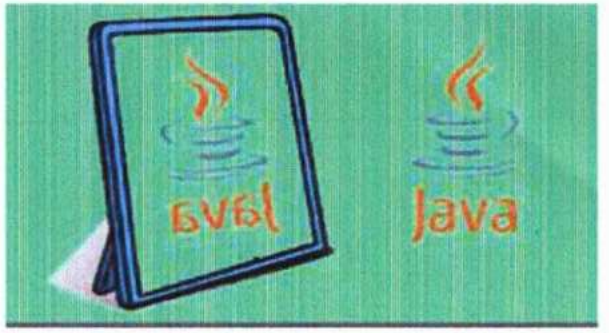

VALUE ADDED COURSE ON

"ADVANCED JAVA REFLECTION"

29th MAR to 03 APR,2021

DURATION OF THE COURSE 30HRS

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED JAVA REFLECTION**

VALUE ADDED COURSE **SYLLABUS**

B.TECH II YEAR-II SEM **ACADEMIC YEAR: 2020-21**

Course objectives:

- Gain a thorough understanding of Reflection in Java and its significance in software development.
- Familiarize yourself with the Reflection API and its key components.
- Understand the benefits and use cases of Reflection in various software Development scenarios
- Learn how to retrieve class information using Reflection, including examining Class modifiers and annotations.
- Acquire the skills to access fields and methods dynamically using Reflection.

Course Outcome:

By the end of this course, students will be able to:

- Demonstrate a comprehensive understanding of Reflection in Java and its role in software development.
- Utilize the Reflection API to retrieve class information, examine class modifiers, and interpret annotations.
- Access fields and methods dynamically using Reflection and modify field values at runtime
- Invoke methods dynamically using Reflection and handle exceptions in reflective method invocation
- Apply Reflection to work with constructors and instantiate objects dynamically

Unit 1: Introduction to Reflection- Overview of Reflection in Java, Understanding the Reflection API, Benefits and use cases of Reflection, Retrieving Class Information using Reflection, Examining Class Modifiers and Annotations

Unit 2: Accessing Fields and Methods, Accessing Fields using Reflection, Modifying Field Values using Reflection, invoking Methods wing Reflection, Handing Exceptions in Reflective Method Invocation, Working with Contracts and lastantiating Objects using

Unit 3: Dynamic Proxy and Invocation Handlers, Introduction to Dynamic Proxy, Creating Dynamic Proxies with Reflection, Implementing Invocation Handlers, Interacting with Dynamic Proxies, Proxying Interfaces and Classes using Reflection,

Unit 4: Manipulating Annotations, Overview of Annotations in Java, Accessing and Interpreting Annotations using Reflection, Modifying Annotations at Runtime, Creating Custom Annotations with Reflection, Processing Annotations using Reflection.

Unit 5: Advanced Reflection Techniques, Working with Generics and Type Information using Reflection, Dynamic Loading and Reloading of Classes, Reflective Manipulation of Enums, Controlling Security and Access with Reflection, Best Practices and Limitations of Reflection.

REFERENCE BOOKS:

1. "Java Reflection in Action" by Ira R. Forman and Nate Forman
2. "Java Reflection: In-Depth Guide with Examples by Rahul Malik
3. "Java Reflection in Action: Understanding and Using Reflection" by Srijan Mitra and Koushik Kothagal

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED JAVA REFLECTION**

ACADEMIC YEAR 2020-2021 **Date: 24-03-2021**

II YEAR II–SEM **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	29.03.2021	Introduction to Reflection-Overview of Reflection in Java, Understanding the Reflection API, Benefits	10:00 am to 04:00 pm	5 hours
2	30.03.2021	Accessing Fields and Methods, Accessing Fields using Reflection, Modifying Field Values using Reflection	10:00 am to 04:00 pm	5 hours
3	31.03.2021	Dynamic Proxy and Invocation Handlers, Introduction to Dynamic Proxy	10:00 am to 04:00 pm	5 hours
4	01.04.2021	Manipulating Annotations, Overview of Annotations in Java, Accessing and Interpreting Annotations using Reflection	10:00 am to 04:00 pm	5 hours
5	02.04.2021	Advanced Reflection Techniques, Working with Generics and Type Information using Reflection, Dynamic	10:00 am to 04:00 pm	5 hours
6	03.04.2021	Loading and Reloading of Classes,Reflective Manipulation of Enums	10:00 am to 04:00 pm	5 hours
				Total – 30 hours

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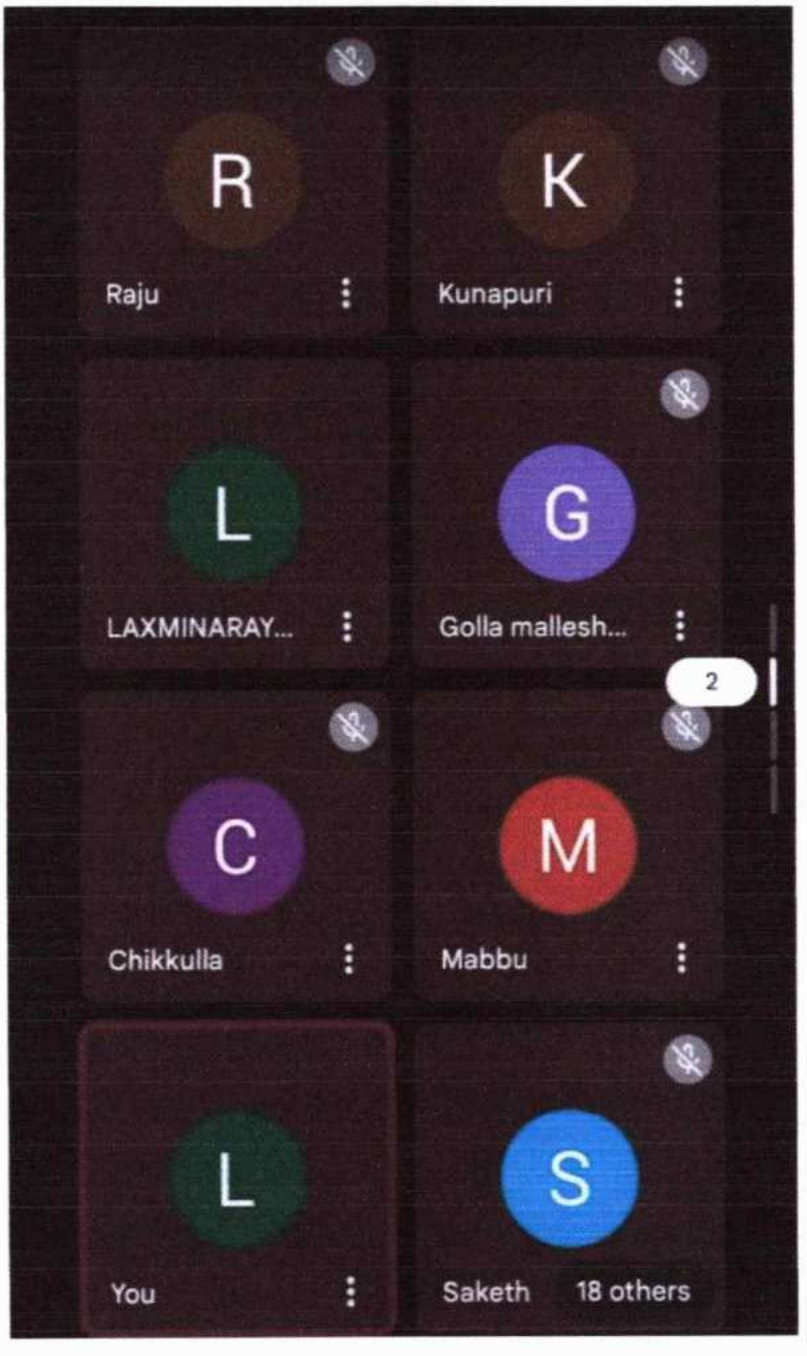

The students of II year B.Tech certificate program attending " ADVANCED JAVA REFLECTION" by Mr.CH.Hemanth assistant professor.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED JAVA REFLECTION**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 29-03-2021 to 03-04-2021

S.NO	Roll Number	Name of The Student
1	19Q61A0569	Katukuri Rakesh
2	19Q61A0570	Kenche Bala Dattu
3	19Q61A0571	Koli Harina
4	19Q61A0572	Kothapally Rajendhar
5	19Q61A0573	Kowdagani Sai Neeraj Kumar
6	19Q61A0574	Kunareddy Shiva Reddy
7	19Q61A0575	Lukka Venkata Sudheer
8	19Q61A0576	M Mallesh
9	19Q61A0577	M Nithya
10	19Q61A0578	Maalipattu Likitha
11	19Q61A0579	Maddela Akash
12	19Q61A0580	Madduri Pravalika
13	19Q61A0581	Maggidi Narsareddy
14	19Q61A0582	Mallepally Mounika
15	19Q61A0583	Mandala Ananth Reddy
16	19Q61A0584	Mangani Jatin
17	19Q61A0585	Mari Bhavana
18	19Q61A0586	Marthota Manoj Kumar
19	19Q61A0587	Matlapudi Chinmaya Sai
20	19Q61A0588	Meesala Nikhil Reddy
21	19Q61A0589	Merugu Sindhu
22	19Q61A0590	Mohammed Ayazuddin
23	19Q61A0591	Mohammed Sohel
24	19Q61A0592	Molugu Shashank Rao
25	19Q61A0593	Munukuntla Rahul
26	19Q61A0594	Nukam Reddy Suneela
27	19Q61A0595	Punna Sai Mounika
28	19Q61A0596	Sabbu Yashwanth Reddy
29	19Q61A0597	Siddipeta Jenny James
30	19Q61A0598	Thati Deepikaa
31	19Q61A0599	Thati Dikshita
32	19Q61A05A0	Vallem Srivani

33	19Q61A05A1	Veeravalli Sai Pavan
34	19Q61A05A2	Yerramsetti Sai

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED JAVA REFLECTION**

II YEAR II–SEM **A.Y 2020-2021** **Date: 24-03-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	29.03.21	30.03.21	31.03.21	01.04.21	02.04.21	03.04.21
1	19Q61A0569	Katukuri Rakesh	P	P	P	P	P	P
2	19Q61A0570	Kenche Bala Dattu	P	P	P	P	P	P
3	19Q61A0571	Koli Harina	P	P	P	P	P	P
4	19Q61A0572	Kothapally Rajendhar	P	P	P	P	P	P
5	19Q61A0573	Kowdagani Sai Neeraj Kumar	A	A	A	A	A	A
6	19Q61A0574	Kunareddy Shiva Reddy	P	P	P	P	P	P
7	19Q61A0575	Lukka Venkata Sudheer	P	P	P	P	P	P
8	19Q61A0576	M Mallesh	P	P	A	P	P	P
9	19Q61A0577	M Nithya	P	P	P	P	P	P
10	19Q61A0578	Maalipattu Likitha	P	P	P	P	P	P
11	19Q61A0579	Maddela Akash	P	P	P	P	P	P
12	19Q61A0580	Madduri Pravalika	P	P	P	P	P	P
13	19Q61A0581	Maggidi Narsareddy	P	P	P	P	P	P
14	19Q61A0582	Mallepally Mounika	P	P	P	P	P	P
15	19Q61A0583	Mandala Ananth Reddy	P	P	P	P	P	P
16	19Q61A0584	Mangani Jatin	A	P	P	P	P	P
17	19Q61A0585	Mari Bhavana	P	P	P	P	P	P
18	19Q61A0586	Marthota Manoj Kumar	P	P	P	P	P	P
19	19Q61A0587	Matlapudi Chinmaya Sai	P	P	P	P	P	P
20	19Q61A0588	Meesala Nikhil Reddy	P	P	P	A	P	P
21	19Q61A0589	Merugu Sindhu	P	P	P	P	P	P
22	19Q61A0590	Mohammed Ayazuddin	P	P	P	P	P	P
23	19Q61A0591	Mohammed Sohel	P	P	P	P	P	P
24	19Q61A0592	Molugu Shashank Rao	P	P	P	P	P	P
25	19Q61A0593	Munukuntla Rahul	P	P	P	P	P	P
26	19Q61A0594	Nukam Reddy Suneela	P	P	P	P	P	P
27	19Q61A0595	Punna Sai Mounika	A	A	A	A	A	A
28	19Q61A0596	Sabbu Yashwanth Reddy	P	P	P	P	P	P
29	19Q61A0597	Siddipeta Jenny James	P	P	P	P	P	P
30	19Q61A0598	Thati Deepikaa	P	P	P	P	P	P

31	19Q61A0599	Thati Dikshita	P	P	P	P	P	P
32	19Q61A05A0	Vallem Srivani	P	A	P	P	P	P
33	19Q61A05A1	Veeravalli Sai Pavan	P	P	P	P	P	P
34	19Q61A05A2	Yerramsetti Sai	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED JAVA REFLECTION**

II YEAR II–SEM **A.Y 2020-21** **Date: 29-03-2021 to 03-04-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0569	Katukuri Rakesh	30	100
2	19Q61A0570	Kenche Bala Dattu	30	100
3	19Q61A0571	Koli Harina	30	100
4	19Q61A0572	Kothapally Rajendhar	30	100
5	19Q61A0573	Kowdagani Sai Neeraj Kumar	0	0
6	19Q61A0574	Kunareddy Shiva Reddy	30	100
7	19Q61A0575	Lukka Venkata Sudheer	30	100
8	19Q61A0576	M Mallesh	25	83.3
9	19Q61A0577	M Nithya	30	100
10	19Q61A0578	Maalipattu Likitha	30	100
11	19Q61A0579	Maddela Akash	30	100
12	19Q61A0580	Madduri Pravalika	30	100
13	19Q61A0581	Maggidi Narsareddy	30	100
14	19Q61A0582	Mallepally Mounika	30	100
15	19Q61A0583	Mandala Ananth Reddy	30	100
16	19Q61A0584	Mangani Jatin	25	83.3
17	19Q61A0585	Mari Bhavana	30	100
18	19Q61A0586	Marthota Manoj Kumar	30	100
19	19Q61A0587	Matlapudi Chinmaya Sai	30	100
20	19Q61A0588	Meesala Nikhil Reddy	25	83.3
21	19Q61A0589	Merugu Sindhu	30	100
22	19Q61A0590	Mohammed Ayazuddin	30	100
23	19Q61A0591	Mohammed Sohel	30	100
24	19Q61A0592	Molugu Shashank Rao	30	100
25	19Q61A0593	Munukuntla Rahul	30	100
26	19Q61A0594	Nukam Reddy Suneela	30	100
27	19Q61A0595	Punna Sai Mounika	0	0
28	19Q61A0596	Sabbu Yashwanth Reddy	30	100
29	19Q61A0597	Siddipeta Jenny James	30	100
30	19Q61A0598	Thati Deepikaa	30	100
31	19Q61A0599	Thati Dikshita	30	100

32	19Q61A05A0	Vallem Srivani	25	83.3
33	19Q61A05A1	Veeravalli Sai Pavan	30	100
34	19Q61A05A2	Yerramsetti Sai	30	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 10.04.2021

PROGRAM REPORT

Name of the value added course: Advanced Java Reflection
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.CH.Hemanth, Technical Trainer, Conscience Technologies.
Name of the Coordinator: Mr.S.Raghu Assistant Professor
Number of the Participants: 32
Topics covered: The following topics covered in this program

1 Introduction to Reflection
2 Accessing Fields and Methods
3 Dynamic Proxies and Invocation Handler
4 Manipulating Annotations
5 Advanced Reflection Techniques

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Academic Director

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/SEM/II/03 **Date: 27-03-2021**

CIRCULAR

This is to inform all the II B. Tech CSE students are pleased to announce that a value added course on "**Advanced Data structures using Python**" will be available from 05/04/2021 to 10/4/2021. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.P.Harikrishna Project Manager with Webtech Labs Pvt Ltd

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Ranga Reddy District.

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Dept. file

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ABOUT THE COURSE

This "Advanced Data Structures using Python" course provides a comprehensive explanation of different types of graph and various graph algorithms. Throughout the course, a step-by-step approach is followed to make you understand different algorithms. Through this course, you can build a strong foundation and it will help you to crack Data Structures and Algorithms in Python coding interviews questions and work on projects. A good foundation on Data Structures and Algorithms in Python interview topics helps you to attempt tricky interview questions. This Data Structures and Algorithms using Python course covers the following topics with Python implementation Trees AVL Tree, Threaded Binary Tree. Expression Tree, B Tree explained and implemented in Python. Graphs Adjacency matrix. Adjacency list. Path matrix, Warshall's Algorithm. Traversal, Breadth First Search (BFS), Depth First Search (DFS), Dijkstra's Shortest Path Algorithm, Prim's Algorithm and Kruskal's Algorithm for minimum spanning tree. The algorithms and examples are explained with figures and animations to simplify the learning of this complex topic. You will see code implementation of different data structures in Python and algorithms are explained in a step- wise manner.

COURSE OBJECTIVE

Course Objectives are the fundamental design, analysis, and implementation of basic data structures, Basic concepts in the specification and analysis of programs, Principles for good program design, especially the uses of data abstraction, Significance of algorithms in the computer field, and Various aspects of algorithm development. To impart the basic concepts of data structures and algorithms, To understand concepts about searching and sorting techniques, To Understand basic concepts about stacks, queues, lists, trees and graphs. To understanding about writing algorithms and step by step approach in solving problems with the help of fundamental data structures. This course will teach you the necessary theory and applications to properly understand the advanced data structures that are critical to various problems and how to implement them. We'll also go hands-on and reveal tips and tricks for otimizations, identifying the right approach and presenting convincing explanations.

EXECPTED OUTCOME

Understand the basic principles and operations of data structures. Apply Hashing, Disjoint sets and String-Matching techniques for solving problems effectively. Apply the concepts of advanced Trees and Graphs for solving problems effectively. Analyze the given scenario and choose appropriate Data Structure for solving problems. Basic ability to analyze algorithms and to determine algorithm correctness and time efficiency class, master a variety of advanced abstract data type (ADT) and data structures and their implementations, Master different algorithm design techniques (brute-force, divide and conquer, greedy, Ability to apply and implement learned algorithm design techniques and data structures to solve problems. Ability to analyze algorithms and algorithm correctness, Ability to summarize searching and sorting techniques, Ability to describe stack, queue and Finally, you'll learn how to develop complex algorithms that are easy to understand bug, and reusable in various applications

Resource person
Mr.P.Harikrishna
Subject Expert
Webtech Labs Pvt Ltd

Co-ordinator :
Mr.Devatha Nagaraj
Assistant Professor
Department of CSE

Class starts from 05.04.2021 to 10.04.2021 at 09:30AM - 04:00PM.

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ADD-ON COURSE ON

"ADVANCED DATA STRUCTURES USING PYTHON"

05th TO 10th APRIL,2021

PRINCIPAL
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Gunthapally (V), Abdullapurmet (M), R.R. Dist.

Duration of the course:36 Hrs

: https://meet.google.com/trw-jhgr-aqo

ORGANIZED BY :

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED DATA STRUCTURE USING PYTHON**

VALUE ADDED COURSE SYLLABUS

II YEAR II–SEM **ACADEMIC YEAR 2020-2021**

Course Objectives:

1. To Implement Object Oriented Programming concepts in Python.
2. To Understand Lists, Dictionaries and Regular expressions in Python.
3. To Understanding how searching and sorting is performed in Python
4. To learn the fundamentals of writing Python scripts.
5. To understand various data structures and algorithms (DSA) through animations

Module-1: Oops Concepts- class, object, constructors, types of variables, types of methods. Inheritance: single, multiple, multi-level, hierarchical, hybrid, Polymorphism: with functions and objects.

Module-11: Data Structures-Definition, Linear Data Structures, Non-Linear Data Structures, Python Specific Data Structures: List.Tuples, Set, Dictionaries, Comprehensions and its Types, Strings, slicing.

Module-III: Arrays - Overview, Types of Arrays, Operations on Arrays, Arrays vs List, Searching -Linear Search and Binary Search

Module-IV: Linked Lists - Implementation of Singly Linked Lists, Doubly Linked Lists, Circular Linked Lists. Stacks - Overview of Stack

Module-V: Graphs -Introduction, Directed vs Undirected Graphs, Weighted vs Unweighted Graphs, Representations, Breadth, First Search, Depth First Search

TEXT BOOK:

1. Data Structures and Advanced Algorithms: Python by Rachel Xin (Author), Tony Lee (Author), Elisabeth Feng (Author)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **TRENDS OF CYBER SECURITY**

ACADEMIC YEAR 2020-2021 **Date: 27-03-2021**

II YEAR II–SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
05-04-2021	Oops Concepts- class, object, constructors, types of variables, types of methods. Inheritance: single, multiple, multi-level, hierarchical, hybrid, Polymorphism: with functions and objects.	09:30 to 04:00 pm	6 hour
06-04-2021	Data Structures-Definition, Linear Data Structures, Non-Linear Data Structures, Python Specific Data Structures: List.Tuples,Set, Dictionaries, Comprehensions and its Types, Strings, slicing	09:30 to 04:00 pm	6 hour
07-04-2021	Arrays - Overview, Types of Arrays, Operations on Arrays, Arrays vs List, Searching -Linear Search and Binary Search	09:30 to 04:00 pm	6 hour
08-04-2021	Linked Lists - Implementation of Singly Linked Lists, Doubly Linked Lists, Circular Linked Lists. Stacks - Overview of Stack	09:30 to 04:00 pm	6 hour
09-04-2021	Graphs -Introduction, Directed vs Undirected Graphs, Weighted vs Unweighted Graphs, Representations,	09:30 to 04:00 pm	6 hour
10-04-2021	Breadth, First Search, Depth First Searc	09:30 to 04:00 pm	6 hour
		Total – 36 Hours	

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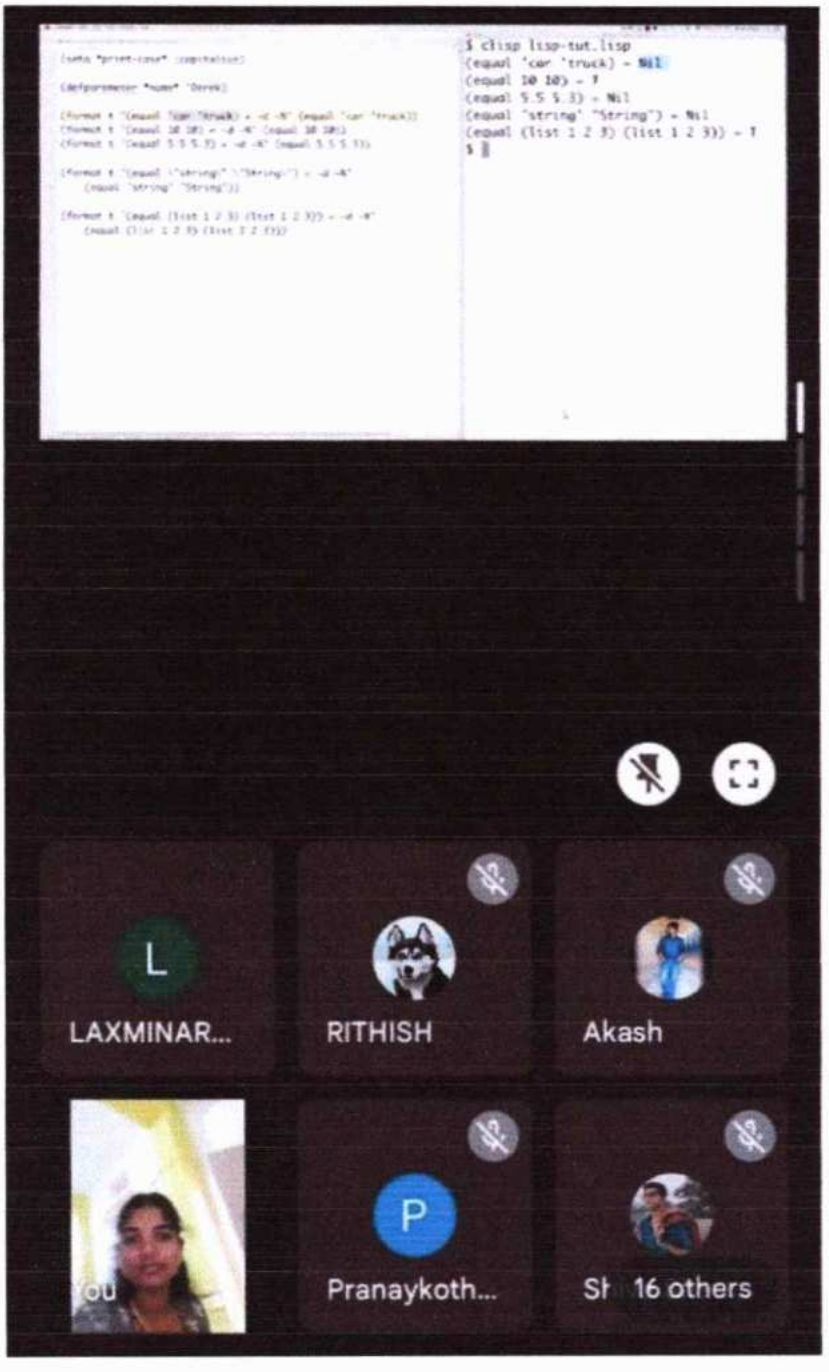

The students of II year B.Tech certificate program attending "Advanced Data structures using Python" by Mr.P.Harikrishna assistant professor.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED DATA STRUCTURES USING PYTHON**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 05-04-2021 to 10-04-2021

S.NO	Roll Number	Name of The Student
1	19Q61A05A3	Koru Vinay Kumar
2	19Q61A05A4	Kotha Manjubhargavi
3	19Q61A05A5	Kunuguntla Sri Harsha
4	19Q61A05A6	Manoor Vijay Karthik
5	19Q61A05A7	Marinela Navya
6	19Q61A05A8	Nukala Avinash Reddy
7	19Q61A05A9	Palagani Manikanta Shivaji
8	19Q61A05B0	Pilli Sri Sai Rashimitha
9	19Q61A05B1	Polasa Likithha
10	19Q61A05B2	Porla Praveen Kumar
11	19Q61A05B3	Preethhi Singh
12	19Q61A05B4	Ranga Rajashekhar
13	19Q61A05B5	Rudravelly Nagasanthoshitha
14	19Q61A05B6	Salla Saikiran Reddy
15	19Q61A05B7	Sambangi Sai Sravani
16	19Q61A05B8	Thimma Reddy Maheshwara Reddy
17	19Q61A05B9	Thota Nishanth
18	19Q61A05C0	Veeravajhula Sai Uttam Dutt
19	19Q61A05C1	Nathi Sai Deepika
20	19Q61A05C2	Neha Gupta
21	19Q61A05C3	Pasham Swetha
22	19Q61A05C4	Pathuri Nikhith Reddy
23	19Q61A05C5	Peddabandyala Yadi Reddy
24	19Q61A05C6	Pillala Hemanth
25	19Q61A05C7	Puliga Vamsi
26	19Q61A05C8	Rapelli Nikhitha
27	19Q61A05C9	Kalal Avinash Goud
28	19Q61A05D0	Sammeta Dinesh
29	19Q61A05D1	Seela Uday Kumar
30	19Q61A05D2	Seshagani Sathwik
31	19Q61A05D3	Shaik Taufeequddin

32	19Q61A05D4	Shashank Reddy
33	19Q61A05D5	Sripathi Abhiram Reddy
34	19Q61A05D6	Thakur Yashraj Singh

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED DATA STRUCTURES USING PYTHON**

II YEAR II–SEM **A.Y 2020-2021** **Date: 27-03-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	05.04.21	06.04.21	07.04.21	08.04.21	09.04.21	10.04.21
1	19Q61A05A3	Koru Vinay Kumar	P	P	P	P	P	P
2	19Q61A05A4	Kotha Manjubhargavi	P	P	P	P	P	P
3	19Q61A05A5	Kunuguntla Sri Harsha	P	P	P	P	P	P
4	19Q61A05A6	Manoor Vijay Karthik	P	P	P	P	P	P
5	19Q61A05A7	Marinela Navya	P	P	P	P	P	P
6	19Q61A05A8	Nukala Avinash Reddy	P	P	P	P	P	P
7	19Q61A05A9	Palagani Manikanta Shivaji	A	A	A	A	A	A
8	19Q61A05B0	Pilli Sri Sai Rashimitha	P	P	P	P	P	P
9	19Q61A05B1	Polasa Likithha	P	P	P	P	P	P
10	19Q61A05B2	Porla Praveen Kumar	P	P	P	P	P	P
11	19Q61A05B3	Preethhi Singh	P	P	P	P	P	P
12	19Q61A05B4	Ranga Rajashekhar	P	A	P	P	P	P
13	19Q61A05B5	Rudravelly Nagasanthoshitha	P	P	P	P	P	P
14	19Q61A05B6	Salla Saikiran Reddy	P	P	P	P	P	P
15	19Q61A05B7	Sambangi Sai Sravani	P	P	P	P	P	P
16	19Q61A05B8	Thimma Reddy Maheshwara Reddy	P	P	P	P	P	P
17	19Q61A05B9	Thota Nishanth	P	P	A	P	P	P
18	19Q61A05C0	Veeravajhula Sai Uttam Dutt	P	P	P	P	P	P
19	19Q61A05C1	Nathi Sai Deepika	P	P	P	P	P	P
20	19Q61A05C2	Neha Gupta	P	P	P	P	P	P
21	19Q61A05C3	Pasham Swetha	P	P	P	P	P	P
22	19Q61A05C4	Pathuri Nikhith Reddy	A	A	A	A	A	A
23	19Q61A05C5	Peddabandyala Yadi Reddy	P	P	P	P	P	P
24	19Q61A05C6	Pillala Hemanth	P	P	P	P	P	P
25	19Q61A05C7	Puliga Vamsi	P	P	P	P	P	P
26	19Q61A05C8	Rapelli Nikhitha	P	P	P	P	P	P
27	19Q61A05C9	Kalal Avinash Goud	P	P	P	P	P	P

28	19Q61A05D0	Sammeta Dinesh	P	A	P	P	P	P
29	19Q61A05D1	Seela Uday Kumar	P	P	P	P	P	P
30	19Q61A05D2	Seshagani Sathwik	P	P	P	P	P	P
31	19Q61A05D3	Shaik Taufeequddin	P	P	P	P	P	P
32	19Q61A05D4	Shashank Reddy	P	P	P	P	P	P
33	19Q61A05D5	Sripathi Abhiram Reddy	P	P	P	P	P	P
34	19Q61A05D6	Thakur Yashraj Singh	A	A	A	A	A	A

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ADVANCED DATA STRUCTURES USING PYTHON**

II YEAR II–SEM **A.Y 2020-21** **Date: 05-04-2021 to 10-04-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A05A3	Koru Vinay Kumar	36	100
2	19Q61A05A4	Kotha Manjubhargavi	36	100
3	19Q61A05A5	Kunuguntla Sri Harsha	36	100
4	19Q61A05A6	Manoor Vijay Karthik	36	100
5	19Q61A05A7	Marinela Navya	36	100
6	19Q61A05A8	Nukala Avinash Reddy	36	100
7	19Q61A05A9	Palagani Manikanta Shivaji	0	0
8	19Q61A05B0	Pilli Sri Sai Rashimitha	36	100
9	19Q61A05B1	Polasa Likithha	36	100
10	19Q61A05B2	Porla Praveen Kumar	36	100
11	19Q61A05B3	Preethhi Singh	36	100
12	19Q61A05B4	Ranga Rajashekhar	30	83.3
13	19Q61A05B5	Rudravelly Nagasanthoshitha	36	100
14	19Q61A05B6	Salla Saikiran Reddy	36	100
15	19Q61A05B7	Sambangi Sai Sravani	36	100
16	19Q61A05B8	Thimma Reddy Maheshwara Reddy	36	100
17	19Q61A05B9	Thota Nishanth	30	83.3
18	19Q61A05C0	Veeravajhula Sai Uttam Dutt	36	100
19	19Q61A05C1	Nathi Sai Deepika	36	100
20	19Q61A05C2	Neha Gupta	36	100
21	19Q61A05C3	Pasham Swetha	36	100
22	19Q61A05C4	Pathuri Nikhith Reddy	0	0
23	19Q61A05C5	Peddabandyala Yadi Reddy	36	100
24	19Q61A05C6	Pillala Hemanth	36	100
25	19Q61A05C7	Puliga Vamsi	36	100
26	19Q61A05C8	Rapelli Nikhitha	36	100
27	19Q61A05C9	Kalal Avinash Goud	36	100
28	19Q61A05D0	Sammeta Dinesh	30	83.3
29	19Q61A05D1	Seela Uday Kumar	36	100
30	19Q61A05D2	Seshagani Sathwik	36	100

31	19Q61A05D3	Shaik Taufeequddin	36	100
32	19Q61A05D4	Shashank Reddy	36	100
33	19Q61A05D5	Sripathi Abhiram Reddy	36	100
34	19Q61A05D6	Thakur Yashraj Singh	0	0

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 15-04-2021

PROGRAM REPORT

Name of the value added course: Advanced Data structures using Python
Day/Duration: 36 Hours
Time: 09:30 to 04:00 pm
Resource Person: Mr.P.Harikrishna, Subject Expert, Webtech Labs Pvt Ltd
Name of the Coordinator: Mr. Devatha Nagaraj,Assistant Professor
Number of the Participants: 32
Topics covered: The following topics covered in this program

- Oops Concept- class, object, Constructors, types of variables, types of method inheritance.
- Data Structure- Linear Data Structure, Non-Linear Data Structure. Python Specific Data Structure: List Tuples, Set Dictionaries, Comprehensions and its type string slicing.
- Types of Arrays, Operation on Arrays, Arrays vs List, Searching –Linear Search and Binary Search.
- Implementation of Singly Linked Lists, Doubly Linked Lists, Circular Linked Lists Stacks- Overview of stack, Implementation of stack, Applications of stack Queues.

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WebTek Labs Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **R.NIKHITHA** Bearing Reg.No **19Q61A05C8** is participated in **"ADVANCED DATA STRUCTURES USING PYTHON"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu,Rangareddy, in Association with **WEBTEKLabs Pvt.Ltd.** from **05/04/2021** to **10/04/2021**.

Yamini Das

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Gunthapally (Vill), Abdullapurmet (Mdl),
Ranga Reddy District.

WebTek Labs Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **K.VINAY KUMAR** Bearing Reg.No **19Q61A05A3** is participated in **"ADVANCED DATA STRUCTURES USING PYTHON"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu,Rangareddy, in Association with **WEBTEKLabs Pvt.Ltd.** from **05/04/2021** to **10/04/2021**.

Vania Das

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Computer Science & Engineering
Avanthi Institute of Engineering & Techn
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HOD CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-2l//SEM/II/04 **Date: 07-04-2021**

CIRCULAR

This is to inform all the II B. Tech students that, the Department organizing a Value Added Course on **"ARTIFICIAL INTELLIGENCE & MACHINE LEARNING ".** Department Advisory Committee has been identified **Mr.N.Mangan Assistant Professor in CSE Dept**. as a resource person for this course. This course is scheduled for 06 Days which will take from 12-04-2021 to 17-04-2021 in online mode. This course is organized by Department of CSE.

Head of the Department
HOD
Computer Science & Engineering
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Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
II.B. Tech CSE students
Dept. file

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ACCREDITED WITH GRADE B++ NAAC



VALUE ADDED COURSE ON

"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING"

12th to 17th APR ,2021

DURATION OF THE COURSE 36HRS

ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



ABOUT THE COURSE

This course provide a comprehensive understanding of AI and ML and their applications in various industries. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

- To learn the distinction between optimal reasoning Vs. human like reasoning
- To understand the concepts of state space representation, exhaustive search, heuristic search together with the time and space complexities.
- To learn different knowledge representation techniques.
- To understand the applications of AI, namely game playing, theorem proving, and machine learning.
- Understand the concepts of computational intelligence like machine learning
- Ability to get the skill to apply machine learning techniques to address the real time problems in different areas
- Understand the Neural Networks and its usage in machine learning application.

EXPECTED OUTCOMES

- Understanding of AI and ML Fundamentals:
- Programming Skills:
- Data Preprocessing and Analysis
- Model Building and Training
- Evaluation and Validation:
- Learn techniques for feature selection and engineering to improve model performance.

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Resource Person
Mr.N.Mangan
Assistant Professor
Department of CSE

Co-ordinator
Mr.P.Naresh Kumar
Assistant Professor
Department of CSE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIEX2ADId2pyg/viewform

Class starts from 12-04- 2021 to 17-04-2021 09:30 AM TO 04:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-eibysi

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

VALUE ADDED COURSE SYLLABUS

B.TECH II YEAR-II SEM **ACADEMIC YEAR 2020-21**

Course objectives:

- To learn the distinction between optimal reasoning Vs. human like reasoning
- To understand the concepts of state space representation, exhaustive search, heuristic search together with the time and space complexities.
- To learn different knowledge representation techniques.
- To understand the applications of AI, namely game playing, theorem proving, and machine learning.
- Understand the concepts of computational intelligence like machine learning
- Ability to get the skill to apply machine learning techniques to address the real time problems in different areas
- Understand the Neural Networks and its usage in machine learning application.

Module 1: Introduction to AI, Intelligent Agents, Problem-Solving Agents, Searching for Solutions

Module 2: Search Strategies, Games, Optimal Decisions in Games, Alpha–Beta Pruning, Imperfect Real-Time Decisions

Module 3: Artificial Neural Networks, Introduction, Basic models of ANN, important terminologies, Supervised Learning Networks, Perception Networks

Module 4: Introduction to Machine Learning, Forecasting and Learning Theory, Well-posed learning problems, designing a learning system, Perspectives and issues in machine learning

Module 5: Kernel Machines & Ensemble Methods, Dimensionality Reduction

TEXT BOOK:

1. Artificial Intelligence A Modern Approach, Third Edition, Stuart Russell and Peter Norvig, Pearson Education.

2. Machine Learning – Tom M. Mitchell, - MGH

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

ACADEMIC YEAR 2020-21 **Date: 07-04-2021**

B.TECH II YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
12-04-2021	Introduction to AI, Intelligent Agents, Problem-Solving Agents, Searching for Solutions	09:30 am to 04:00 pm	6 hour
13-04-2021	Search Strategies, Games, Optimal Decisions in Games, Alpha–Beta Pruning, Imperfect Real-Time Decisions	09:30 am to 04:00 pm	6 hour
14-04-2021	Artificial Neural Networks, Introduction, Basic models of ANN, important terminologies, Supervised Learning Networks, Perception Networks	09:30 am to 04:00 pm	6 hour
15-04-2021	Introduction to Machine Learning, Forecasting and Learning Theory, Well-posed learning problems,	09:30 am to 04:00 pm	6 hour
16-04-2021	designing a learning system, Perspectives and issues in machine learning	09:30 am to 04:00 pm	6 hour
17-04-2021	Kernel Machines & Ensemble Methods, Dimensionality Reduction	09:30 am to 04:00 pm	6 hour
			Total – 36 hours

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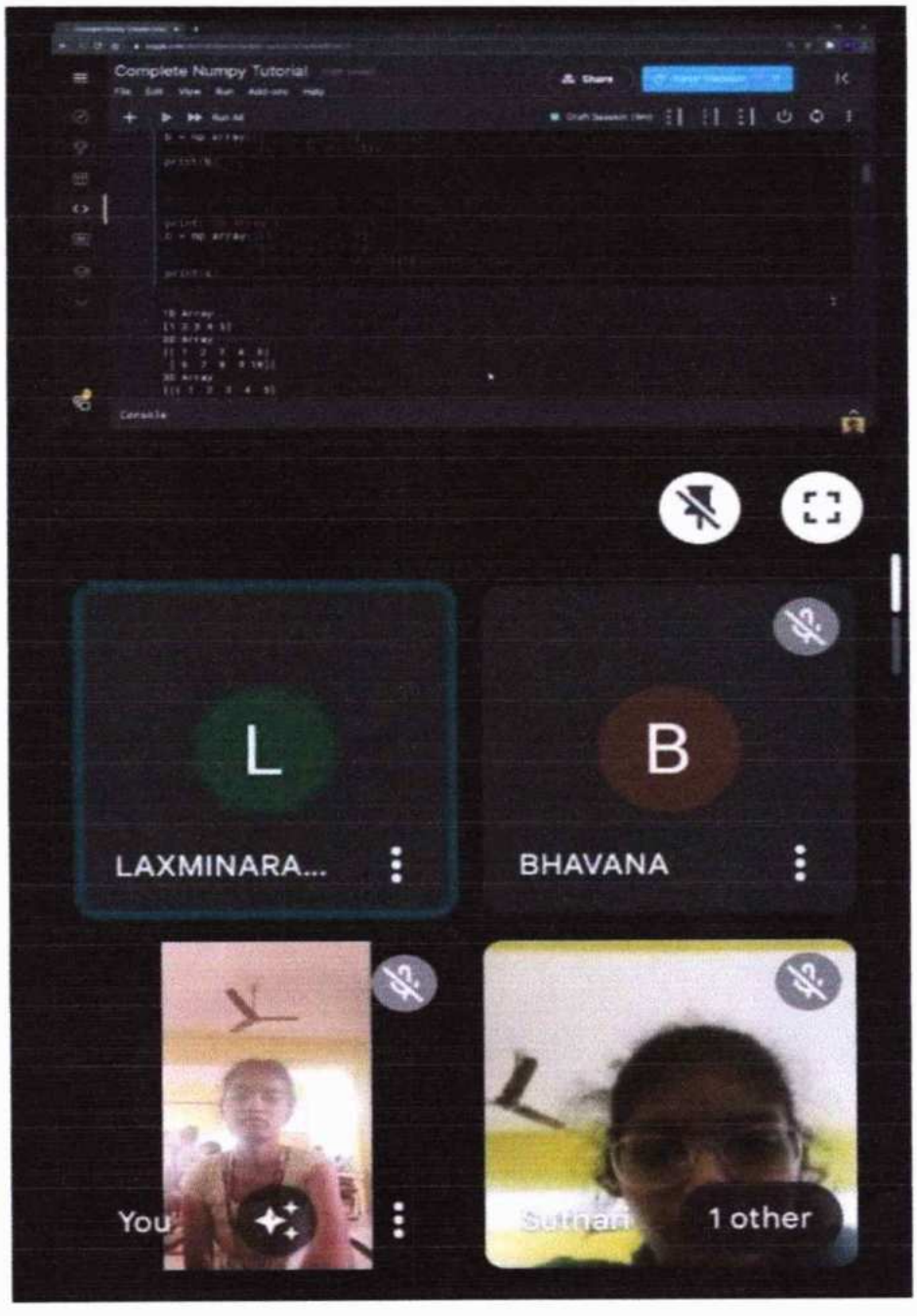

The students of II year B.Tech certificate program attending "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING" by Mr.N.Mangan assistant professor.

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II YEAR II–SEM ENROLLED STUDENTS LIST Date: 12-04-2021 to 17-04-2021

S.NO	Roll Number	Name of The Student
1	19Q61A05D7	Thandu Mahender
2	19Q61A05D8	Thedla Pravalika
3	19Q61A05D9	Thumma Sainikhil
4	19Q61A05E0	Uppu Prashanth Sagar
5	19Q61A05E1	Uppula Goutham
6	19Q61A05E2	Uyyalawada Teja
7	19Q61A05E3	Vangala Srinath Reddy
8	19Q61A05E4	Y Sridevi
9	19Q61A05E5	Yaketi Jahangir
10	19Q61A05E6	Yalamchervu Sri Harika
11	19Q61A05E7	Yelala Srija Reddy
12	19Q61A05E8	Vodnala Raj Kumar
13	19Q61A05E9	Yadamalli Praneeth
14	19Q61A05F0	Yadla Yashwanth
15	19Q61A05F1	Yarrabelli Anil Reddy
16	19Q61A05F2	Galve Rakshith
17	18Q61A0597	Dindu Siddhartha Goud
18	18Q61A0547	Golapalli Vinisha
19	18Q61A0548	Gunamoni Vinay
20	18Q61A0520	Mankala Bhaskar
21	18Q61A0505	Bodolla Sai Kiran
22	18Q61A0541	Palanati Sai Vamshi
23	18Q61A0512	Jakkali Mahendar
24	20Q65A0501	Alle Chandrashekar
25	20Q65A0502	Ankirala Swamy
26	20Q65A0503	Bari Bhanu Prasad
27	20Q65A0504	Jakka Kiran
28	20Q65A0505	J Naveen
29	20Q65A0506	Jeekuru Ramesh
30	20Q65A0507	Kadali Adithya Surya
31	20Q65A0508	Madipeddi Praveen

32	20Q65A0509	Madupoju Varsha
33	20Q65A0510	Motike Mahesh
34	20Q65A0511	Nakka Chandu

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

II YEAR II–SEM **A.Y 2020-2021** **Date: 07-04-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	12.04.21	13.04.21	14.04.21	15.04.21	16.04.21	17.04.21
1	19Q61A05D7	Thandu Mahender	P	P	P	P	P	P
2	19Q61A05D8	Thedla Pravalika	A	P	P	P	P	P
3	19Q61A05D9	Thumma Sainikhil	P	P	P	P	P	P
4	19Q61A05E0	Uppu Prashanth Sagar	P	P	P	P	P	P
5	19Q61A05E1	Uppula Goutham	P	P	P	P	P	P
6	19Q61A05E2	Uyyalawada Teja	P	P	P	P	P	P
7	19Q61A05E3	Vangala Srinath Reddy	P	P	P	P	P	P
8	19Q61A05E4	Y Sridevi	P	P	P	P	P	P
9	19Q61A05E5	Yaketi Jahangir	P	P	P	P	P	P
10	19Q61A05E6	Yalamchervu Sri Harika	P	P	P	P	P	P
11	19Q61A05E7	Yelala Srija Reddy	P	A	P	P	P	P
12	19Q61A05E8	Vodnala Raj Kumar	P	P	P	P	P	P
13	19Q61A05E9	Yadamalli Praneeth	P	P	P	P	P	P
14	19Q61A05F0	Yadla Yashwanth	P	P	P	P	P	P
15	19Q61A05F1	Yarrabelli Anil Reddy	P	P	P	P	P	P
16	19Q61A05F2	Galve Rakshith	P	P	P	P	P	P
17	18Q61A0597	Dindu Siddhartha Goud	P	P	P	P	P	P
18	18Q61A0547	Golapalli Vinisha	P	P	P	P	P	P
19	18Q61A0548	Gunamoni Vinay	P	P	A	P	P	P
20	18Q61A0520	Mankala Bhaskar	P	P	P	P	P	P
21	18Q61A0505	Bodolla Sai Kiran	P	P	P	P	P	P
22	18Q61A0541	Palanati Sai Vamshi	P	P	P	P	P	P
23	18Q61A0512	Jakkali Mahendar	P	P	P	P	P	P
24	20Q65A0501	Alle Chandrashekar	P	P	P	P	P	P
25	20Q65A0502	Ankirala Swamy	P	P	P	P	P	P
26	20Q65A0503	Bari Bhanu Prasad	P	P	P	P	P	P
27	20Q65A0504	Jakka Kiran	P	P	P	P	P	P
28	20Q65A0505	J Naveen	P	P	P	P	P	P
29	20Q65A0506	Jeekuru Ramesh	P	P	P	P	P	P
30	20Q65A0507	Kadali Adithya Surya	P	P	P	P	P	P

31	20Q65A0508	Madipeddi Praveen	P	P	P	P	P	P
32	20Q65A0509	Madupoju Varsha	P	A	P	P	P	P
33	20Q65A0510	Motike Mahesh	P	P	P	P	P	P
34	20Q65A0511	Nakka Chandu	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

II YEAR II–SEM **A.Y 2020-21** **Date: 12-04-2021 to 17-04-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A05D7	Thandu Mahender	36	100
2	19Q61A05D8	Thedla Pravalika	30	83.3
3	19Q61A05D9	Thumma Sainikhil	36	100
4	19Q61A05E0	Uppu Prashanth Sagar	36	100
5	19Q61A05E1	Uppula Goutham	36	100
6	19Q61A05E2	Uyyalawada Teja	36	100
7	19Q61A05E3	Vangala Srinath Reddy	36	100
8	19Q61A05E4	Y Sridevi	36	100
9	19Q61A05E5	Yaketi Jahangir	36	100
10	19Q61A05E6	Yalamchervu Sri Harika	36	100
11	19Q61A05E7	Yelala Srija Reddy	30	83.3
12	19Q61A05E8	Vodnala Raj Kumar	36	100
13	19Q61A05E9	Yadamalli Praneeth	36	100
14	19Q61A05F0	Yadla Yashwanth	36	100
15	19Q61A05F1	Yarrabelli Anil Reddy	36	100
16	19Q61A05F2	Galve Rakshith	36	100
17	18Q61A0597	Dindu Siddhartha Goud	36	100
18	18Q61A0547	Golapalli Vinisha	36	100
19	18Q61A0548	Gunamoni Vinay	30	83.3
20	18Q61A0520	Mankala Bhaskar	36	100
21	18Q61A0505	Bodolla Sai Kiran	36	100
22	18Q61A0541	Palanati Sai Vamshi	36	100
23	18Q61A0512	Jakkali Mahendar	36	100
24	20Q65A0501	Alle Chandrashekar	36	100
25	20Q65A0502	Ankirala Swamy	36	100
26	20Q65A0503	Bari Bhanu Prasad	36	100
27	20Q65A0504	Jakka Kiran	36	100
28	20Q65A0505	J Naveen	36	100
29	20Q65A0506	Jeekuru Ramesh	36	100
30	20Q65A0507	Kadali Adithya Surya	36	100

31	20Q65A0508	Madipeddi Praveen	36	100
32	20Q65A0509	Madupoju Varsha	30	83.3
33	20Q65A0510	Motike Mahesh	36	100
34	20Q65A0511	Nakka Chandu	36	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 22-04-2021

PROGRAM REPORT

Name of the value added course: Artificial Intelligence & Machine Learning
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.N.Mangan Assistant Professor
Name of the Coordinator: Mr.P.Naresh Kumar Assistant Professor
Number of the Participants: 31
Topics covered: The following topics covered in this program

- Introduction to AI, Intelligent Agents, Problem-Solving Agents, Searching for Solutions
- Search Strategies, Games, Optimal Decisions in Games, Alpha–Beta Pruning, Imperfect Real-Time Decisions
- Artificial Neural Networks, Introduction, Basic models of ANN, important terminologies, Supervised Learning Networks, Perception Networks
- Introduction to Machine Learning, Forecasting and Learning Theory, Well-posed learning problems, designing a learning system, Perspectives and issues in machine learning
- Kernel Machines & Ensemble Methods, Dimensionality Reduction

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **T.MAHENDER** Bearing roll number **19Q61A05D7** from the department of **Computer Science and Engineering** completed the value added course on **"ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"** During the year **2020-21**.

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Head of The Department

Co-Ordinator

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **J.NAVEEN** Bearing roll number **20Q65A0505** from the department of **Computer Science and Engineering** completed the value added course on "**ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**" During the year **2020-21**.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-21/SEM/II/05 **Date: 10-05-2021**

CIRCULAR

This is to inform all the II B. Tech CSE students that, the Department organizing an Value Added Course on **"Introduction To Computational Thinking & Programming"** Department Advisory Committee has been identified **Mr.Shahebaz Ahmed Khan, Assistant Professor in CSE Dept.** as a resource person for this course. This course is scheduled for 06 Days which will take from 17-05-2021 to 22-05-2021 in online mode. This course is organized by Department of CSE.

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The principal, for kind information
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Notice Board
II.B. Tech & M.Tech I YEAR students
Dept. file

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ABOUT THE COURSE

"Introduction to Computational Thinking & Programming is a course or educational program that introduces individuals to the fundamental concepts and principles of computational thinking and programming. aims to develop the skills required to solve problems using a computer and to write programs to automate tasks and manipulate data

COURSE OBJECTIVES

- Introduce students to the principles of computational thinking and its application in problem-solving.
- Develop a fundamental understanding of programming concepts and logical reasoning.
- Enhance problem-solving skills through hands-on programming exercises and projects.
- Foster creativity, critical thinking, and algorithmic reasoning Abilities.
- Prepare students for advanced programming courses and future technological advancements

EXPECTED OUTCOMES

- Understanding of Computational Thinking
- Proficiency in Programming Fundamentals
- Problem Solving and Algorithmic Reasoning
- Hands-on Programming Skills
- Debugging and Troubleshooting Proficiency

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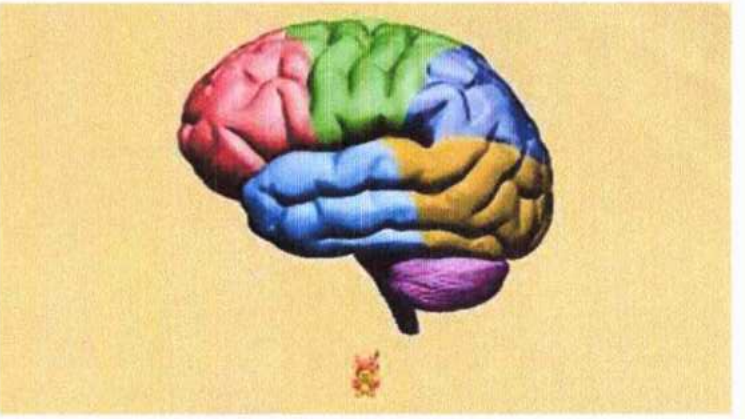

ADD-ON COURSE ON

INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING"

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

17th MAY TO 22nd MAY, 2021

DURATION OF THE COURSE 36 HRS

ORGANIZED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Resource Person	Co-ordinator :
Dr. Shahebaz Ahmed Khan	Mr.G.Shiva Krishna
Assistant Professor	Assistant Professor
Department of CSE.	Department of CSE

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSdTpl_cdMhGnYQVONjedNm-ZsRb41-43zBw0m%20RIUGGWw5Ajw/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Cgg-fzoq

Class starts from 17.05.2021 to 22.05.2021 at 09:30AM - 4:00 PM



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING**

VALUE ADDED COURSE SYLLABUS

B.TECH. II YEAR-II SEM ACADEMIC YEAR: 2020-21

Course Objective:

- To help the students to develop their ideas into a robust step-by-step solution using adequate technology
- To introduce them to the concept of Computational Thinking – its key techniques/approaches.
- To give them an understanding of algorithms, flowcharts, sensors, development boards, programming through handson/DIY activities and exposure to various resources.

Course Outcomes:

- Describe the internal operation of a basic processor, how a program is executed by a computer and computing trends.
- Analyze a problem then design and express its solution in such a way that a computer can effectively carry it out. (i.e. equip you with CT skills)
- Implement problem solutions as programs using basic control structures (sequence, conditional, iterative).
- Implement problem solutions as programs using basic data types and aggregate data types.
- Apply the CT concepts on case studies/problem-based scenarios through hands-on practice of the CT processes.

UNIT-I : Overview of Programming Languages and Basic Internal Operation of Computer High level programming languages (Python, C, Java) Basic computer organization (Processor, Memory, I/O) and how a computer execute a program (Machine instructions).

UNIT-II: Basic Program Structure: Control Constructs and Data Types Concepts of data types, variables; Pseudo-code and flowcharts; Sequences, Selection (if/else), iteration (for/while loop). Problem formulation - reducing something to a very simple set of characteristics to only focusing on the most relevant to the problem. Concept of functions/libraries and data structure.

UNIT-III: Concept – Algorithm Reformulating the problem into series of ordered steps through Identifying, analyzing, and implementing possible solutions with the goal of achieving the most efficient and effective combination of steps and resources. (Some common/useful examples: Sorting and searching.

UNIT-IV: Syntax and semantics. Intrinsic data types, declarations, operators, assignments, control flow, and simple input/output; Pre-processing. Functions; Return values, arguments and parameter passing; Scopes of variables; Concept of side effects. Built-in Data Structures Pointers, pointer operations and pass by reference; One-dimensional and multi-dimensional arrays, and pointers and arrays; Character strings and arrays of strings; Structures, arrays of structures and type definitions.

UNIT-V: Debugging and Troubleshooting, Identifying and resolving programming errors Debugging techniques and best practices.

REFERENCE BOOKS:

1. "Introduction to the theory of Computation "by Michael Sisper
2. "Grokking Algorithms: An Illustrated Guide for Programmers and other Curious People" by Aditya Bhargava.
3. "Python Crash Course: A Hands-on, Project-Based Introduction to Programming "by Eric Matthes
4. "The Art and Science of Java" By Eric Roberts

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING**

ACADEMIC YEAR: 2020-21 **Date: 10-05-2021**

B.TECH. II YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
17-05-2021	Introduction to Computational Thinking Algorithms and Problem Solving	09:30 am to 04:00 pm	6 hour
18-05-2021	Functions and Procedures Object-Oriented Programming (OOP) Concepts	09:30 am to 04:00 pm	6 hour
19-05-2021	Overview of Programming Languages and Basic Internal Operation of Computer High level programming languages (Python, C, Java) Basic computer organization	09:30 am to 04:00 pm	6 hour
20-05-2021	Concept – Algorithm Reformulating the problem into series of ordered steps through Identifying, analyzing, and implementing possible solutions	09:30 am to 04:00 pm	6 hour
21-05-2021	with the goal of achieving the most efficient and effective combination of steps and resources. (Some common/useful examples: Sorting and searching	09:30 am to 04:00 pm	6 hour
22-05-2021	Character strings and arrays of strings; Structures, arrays of structures and type definitions.	09:30 am to 04:00 pm	6 hour
		Total – 36 Hours	

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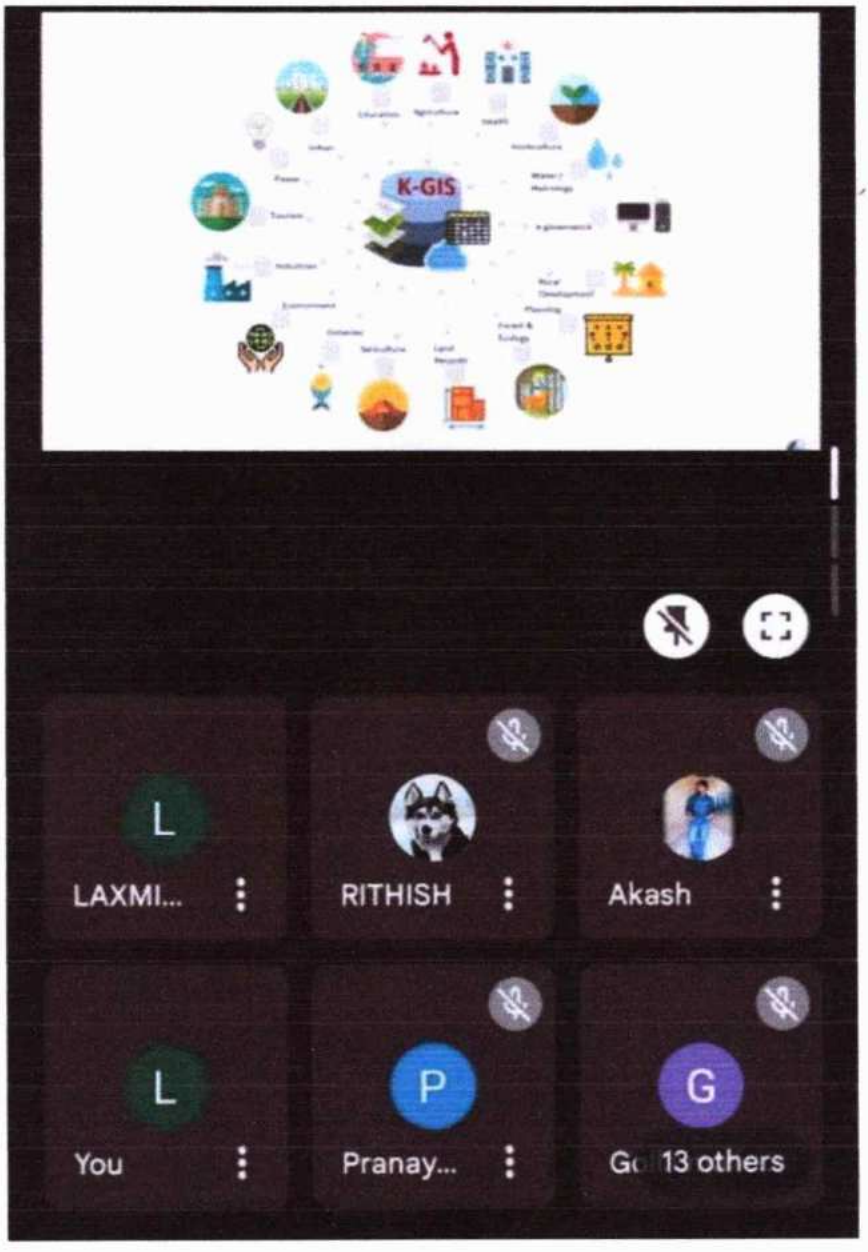

The students of II year B.Tech certificate program attending "Introduction To Computational Thinking & Programming" by Mr.Shahebaz Ahmed Khan assistant professor

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VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 17-05-2021 to 22-05-2021

S.NO	Roll Number	Name of The Student
1	20Q65A0512	Nenavath Jaipal
2	20Q65A0513	Pavan Kumar K
3	20Q65A0514	Ponneboina Sravanthi
4	20Q65A0515	Sakhiri Anil Kumar
5	20Q65A0516	Y Yugesh Goud
6	20Q65A0517	Etikyala Saipavan
7	20Q65A0518	Gurram Mahesh Vardhan
8	20Q65A0519	Nagula Saikiran
9	20Q65A0520	S Anusha
10	18Q61A05A8	Valavala Venkata Santosh
11	18Q61A0545	Bondalapati Ramya
12	18Q61A0558	Nagati Likhith Kumar
13	18Q61A0566	Erri Lavakumarreddy
14	18Q61A0553	Nambi Nandini
15	20Q61D5801	Chalamalla Sahithi
16	20Q61D5802	Chintha Palli Srilatha
17	20Q61D5803	Eravelli Sandhyarani
18	20Q61D5804	Gajjala Saipriya
19	20Q61D5805	Gogula Divya
20	20Q61D5806	Kodari Manasa
21	20Q61D5807	Sambu Praveen Kumar
22	20Q61D5808	Singidi Prasad
23	20Q61D5809	Chimadaboina Shiva Kumar
24	20Q61D5810	Manuri Mallika
25	20Q61D5811	Pinnapureddy Mamatha
26	20Q61D5812	Kamarapu Arun
27	20Q61D5813	Syed Mazhar Ali
28	20Q61D5814	Sadeeda Ulfat Aara
29	20Q61D5815	Udutha Jyothi
30	20Q61D5816	A Harika
31	20Q61D5817	Battu Jhansi
32	20Q61D5818	Kortalwar Sumasvi

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II YEAR II–SEM **A.Y 2020-2021** **Date: 10-05-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	17.05.21	18.05.21	19.05.21	20.05.21	21.05.21	22.05.21
1	20Q65A0512	Nenavath Jaipal	A	A	A	A	A	A
2	20Q65A0513	Pavan Kumar K	P	P	P	P	P	P
3	20Q65A0514	Ponneboina Sravanthi	P	P	P	P	P	P
4	20Q65A0515	Sakhiri Anil Kumar	P	P	P	P	P	P
5	20Q65A0516	Y Yugesh Goud	P	P	P	P	P	P
6	20Q65A0517	Etikyala Saipavan	P	A	P	P	P	P
7	20Q65A0518	Gurram Mahesh Vardhan	P	P	P	P	P	P
8	20Q65A0519	Nagula Saikiran	P	P	P	P	P	P
9	20Q65A0520	S Anusha	P	P	P	P	P	P
10	18Q61A05A8	Valavala Venkata Santosh	P	P	P	P	P	P
11	18Q61A0545	Bondalapati Ramya	P	P	P	P	P	P
12	18Q61A0558	Nagati Likhith Kumar	P	P	P	P	P	P
13	18Q61A0566	Erri Lavakumarreddy	A	P	P	P	P	P
14	18Q61A0553	Nambi Nandini	P	P	P	P	P	P
15	20Q61D5801	Chalamalla Sahithi	P	P	P	P	P	P
16	20Q61D5802	Chintha Palli Srilatha	P	P	P	P	P	P
17	20Q61D5803	Eravelli Sandhyarani	P	P	P	P	P	P
18	20Q61D5804	Gajjala Saipriya	A	A	A	A	A	A
19	20Q61D5805	Gogula Divya	P	P	P	P	P	P
20	20Q61D5806	Kodari Manasa	P	P	P	P	P	P
21	20Q61D5807	Sambu Praveen Kumar	P	P	P	P	P	P
22	20Q61D5808	Singidi Prasad	P	P	P	A	P	P
23	20Q61D5809	Chimadaboina Shiva Kumar	P	P	P	P	P	P
24	20Q61D5810	Manuri Mallika	P	P	P	P	P	P
25	20Q61D5811	Pinnapureddy Mamatha	P	P	P	P	P	P
26	20Q61D5812	Kamarapu Arun	P	P	P	P	P	P
27	20Q61D5813	Syed Mazhar Ali	P	P	P	P	P	P
28	20Q61D5814	Sadeeda Ulfat Aara	P	P	P	P	P	P
29	20Q61D5815	Udutha Jyothi	P	P	P	P	P	P

30	20Q61D5816	A Harika	P	P	P	P	P	P
31	20Q61D5817	Battu Jhansi	P	P	A	P	P	P
32	20Q61D5818	Kortalwar Sumasvi	P	P	P	P	P	P

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING**

II YEAR II–SEM **A.Y 2020-21** **Date: 17-05-2021 to 22-05-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q65A0512	Nenavath Jaipal	0	0
2	20Q65A0513	Pavan Kumar K	36	100
3	20Q65A0514	Ponneboina Sravanthi	36	100
4	20Q65A0515	Sakhiri Anil Kumar	36	100
5	20Q65A0516	Y Yugesh Goud	36	100
6	20Q65A0517	Etikyala Saipavan	30	83.3
7	20Q65A0518	Gurram Mahesh Vardhan	36	100
8	20Q65A0519	Nagula Saikiran	36	100
9	20Q65A0520	S Anusha	36	100
10	18Q61A05A8	Valavala Venkata Santosh	36	100
11	18Q61A0545	Bondalapati Ramya	36	100
12	18Q61A0558	Nagati Likhith Kumar	36	100
13	18Q61A0566	Erri Lavakumarreddy	30	83.3
14	18Q61A0553	Nambi Nandini	36	100
15	20Q61D5801	Chalamalla Sahithi	36	100
16	20Q61D5802	Chintha Palli Srilatha	36	100
17	20Q61D5803	Eravelli Sandhyarani	36	100
18	20Q61D5804	Gajjala Saipriya	0	0
19	20Q61D5805	Gogula Divya	36	100
20	20Q61D5806	Kodari Manasa	36	100
21	20Q61D5807	Sambu Praveen Kumar	36	100
22	20Q61D5808	Singidi Prasad	30	83.3
23	20Q61D5809	Chimadaboina Shiva Kumar	36	100
24	20Q61D5810	Manuri Mallika	36	100
25	20Q61D5811	Pinnapureddy Mamatha	36	100
26	20Q61D5812	Kamarapu Arun	36	100
27	20Q61D5813	Syed Mazhar Ali	36	100
28	20Q61D5814	Sadeeda Ulfat Aara	36	100
29	20Q61D5815	Udutha Jyothi	36	100
30	20Q61D5816	A Harika	36	100
31	20Q61D5817	Battu Jhansi	30	83.3
32	20Q61D5818	Kortalwar Sumasvi	36	100

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 28-05-2021

PROGRAM REPORT

Name of the value added course: Introduction to Computational Thinking & Programming
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr. Dr Shahebaz Ahmed Khan, Assistant Professor
Name of the Coordinator: Mr.G.Shiva Krishna, Assistant Professor
Number of the Participants: 30
Topics covered: The following topics covered in this program

- Introduction to Computational Thinking Algorithms and Problem Solving.
- Functions and Procedures Object-Oriented Programming (OOP) Concepts.
- Introduction to Web Development Data Structures: Stacks and Queues.
- Introduction to Machine Learning (ML) Ethical Considerations in Programming.
- Performance Optimization and Efficiency Real-world Application case Studies.

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **U.JYOTHI** Bearing roll number **20Q61D5815** from the department of **Computer Science and Engineering** completed the value added course on **"INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING"** During the year **2020-21**.

Head of The Department

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Co-Ordinator

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Department of Computer Science & Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **P.SRAVANTHI** Bearing roll number **20Q65A0514** from the department of **Computer Science and Engineering** completed the value added course on "**INTRODUCTION TO COMPUTATIONAL THINKING & PROGRAMMING**" During the year **2020-21**.

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Head of The Department

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AVIH/CSE/AOC/2020-2l/SEM/I/05 **Date: 27-01-2021**

CIRCULAR

This is to inform all the IV B. Tech CSE students that, the Department organizing a Value Added Course on **"SPRING BOOT ".** This course is scheduled for 15 Days which will take from 01-02-2021 to 22-02-2021. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is on Collaboration with Mr.D.Srikanth with IBeon Info Tech Pvt Ltd

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IV.B. Tech CSE students
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ABOUT THE COURSE

Java Spring Boot (Spring Boot) is a tool that makes developing web application and microservices with Spring Framework faster and easier through three core capabilities: Autoconfiguration. An opinionated approach to configuration. The ability to create standalone applications

COURSE OBJECTIVES

Upon completion of this course, participants will understand how Spring Boot enhances the following:

- Describe the benefits provided by Spring Boot
- Initialize a project using Spring Boot Starters
- Leverage Spring Boot's auto configuration features to enable JDBC setup and initialization
- Create simplified backing-store solutions using Spring Data and JPA
- Build a simple MVC application using Spring Boot, embedded Web Server and fat JARs or classic WARs
- Build a RESTful Web application
- Use Spring Security to secure Web and REST endpoints
- Enable and extend metrics and monitoring capabilities using Spring Boot actuator
- Leverage advance configuration capabilities
- Utilize Spring Boot enhancements to testing

EXPECTED OUTCOMES

- Develop MVC and REST services using Spring Boot & Spring Data JPA.
- Understand internals of Spring Boot & Spring Data.
- Gain confidence in Spring core, Hibernate ORM and JPA

Resource Person
Mr.D.Srikanth
Subject Expert
IBeON Info Tech Pvt Ltd

Co-ordinator
Mr.Abdul Ahmad Afroz
Assistant Professor
Department of CSE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvohi-eicsdiixi

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ACCREDITED WITH GRADE B++ NAAC

spring boot

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VALUE ADDED COURSE ON

" SPRING BOOT"

01st to 22th FEB - 2021

Duration of the course:45HRS

ORGANIZED BY :
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **SPRING BOOT**

VALUE ADDED COURSE SYLLABUS

B.TECH. IV YEAR-I SEM **ACADEMIC YEAR: 2020-21**

Course objectives:

- To introduce the object oriented programming concepts.
- To understand object oriented programming concepts, and apply them in solving problems.
- To introduce the principles of inheritance and polymorphism; and demonstrate how they relate to the design of abstract classes
- To introduce the implementation of packages and interfaces
- To introduce the concepts of exception handling and multithreading.
- To introduce the design of Graphical User Interface using applets and swing controls.

Module 1: What is JAVA, JVM, Java basics, Java Features Data types, Variables, Operators, Selection statements, Iteration Statements Jump Statements Control Statements?

Module 2: Classes and Objects, Constructor, Type Casting Garbage Collection, Inner Class, Command Line Arguments Encapsulation, Inheritance, Polymorphism

Module 3: Method Overriding, Method Overloading Interfaces, Interface Creation Implementing Interfaces, Abstract Class Interface vs. Abstract Class, String and String Buffer class Packages, Declaring Packages, Importing Packages, Class path Setting, Access Specifies

Module 4: Public, Private, Protected Importance of Exception Handling, Checked and Unchecked Exceptions, try and catch Keywords, throw, throws and finally, Keywords, Multiple catch blocks, User Defined Exception THREADS, Introduction, Multithreading Life cycle of Thread, Thread Priorities, Creating Threads

Module 5: Inter-Thread Communication, Controlling Threads, Synchronization, Deadlock WRAPPER CLASSES, COLLECTIONS FRAMEWORK, STREAMS NETWORK PROGRAMMING, AWT, SWINGS

TEXT BOOK:

1. Java The complete reference, 9th edition, Herbert Schildt, McGraw Hill Education (India) Pvt. Ltd.
2. Understanding Object-Oriented Programming with Java, updated edition, T. Budd, Pearson Education.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **SPRING BOOT**

ACADEMIC YEAR: 2020-21 **Date: 27-01-2021**

B.TECH. IV YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	What is JAVA, JVM, Java basics, Java Features	10:00 am to 1:00 pm	3 hour
02-02-2021	Data types, Variables, Operators, Control Statements	10:00 am to 1:00 pm	3 hour
03-02-2021	Selection statements, Iteration Statements Jump Statements	10:00 am to 1:00 pm	3 hour
04-02-2021	Classes and Objects, Constructor, Type Casting	10:00 am to 1:00 pm	3 hour
08-02-2021	Garbage Collection, Inner Class, Command Line Arguments	10:00 am to 1:00 pm	3 hour
09-02-2021	Encapsulation, Inheritance, Polymorphism	10:00 am to 1:00 pm	3 hour
10-02-2021	Method Overriding, Method Overloading Interfaces, Interface Creation	10:00 am to 1:00 pm	3 hour
11-02-2021	Implementing Interfaces, Abstract Class Interface vs. Abstract Class, String and String Buffer class	10:00 am to 1:00 pm	3 hour
12-02-2021	Packages, Declaring Packages, Importing Packages, Class path Setting,	10:00 am to 1:00 pm	3 hour
15-02-2021	Public, Private, Protected	10:00 am to 1:00 pm	3 hour
16-02-2021	Importance of Exception Handling, Checked and Unchecked Exceptions, try and catch	10:00 am to 1:00 pm	3 hour
17-02-2021	THREADS, Introduction, Multithreading Life cycle of Thread, Thread Priorities,	10:00 am to 1:00 pm	3 hour
18-02-2021	Inter-Thread Communication, Controlling Threads, Synchronization, Deadlock	10:00 am to 1:00 pm	3 hour
19-02-2021	wrapper classes, collections framework, streams	10:00 am to 1:00 pm	3 hour
22-02-2021	Network Programming, Awt, Swings	10:00 am to 1:00 pm	3 hour
			Total – 45 hours

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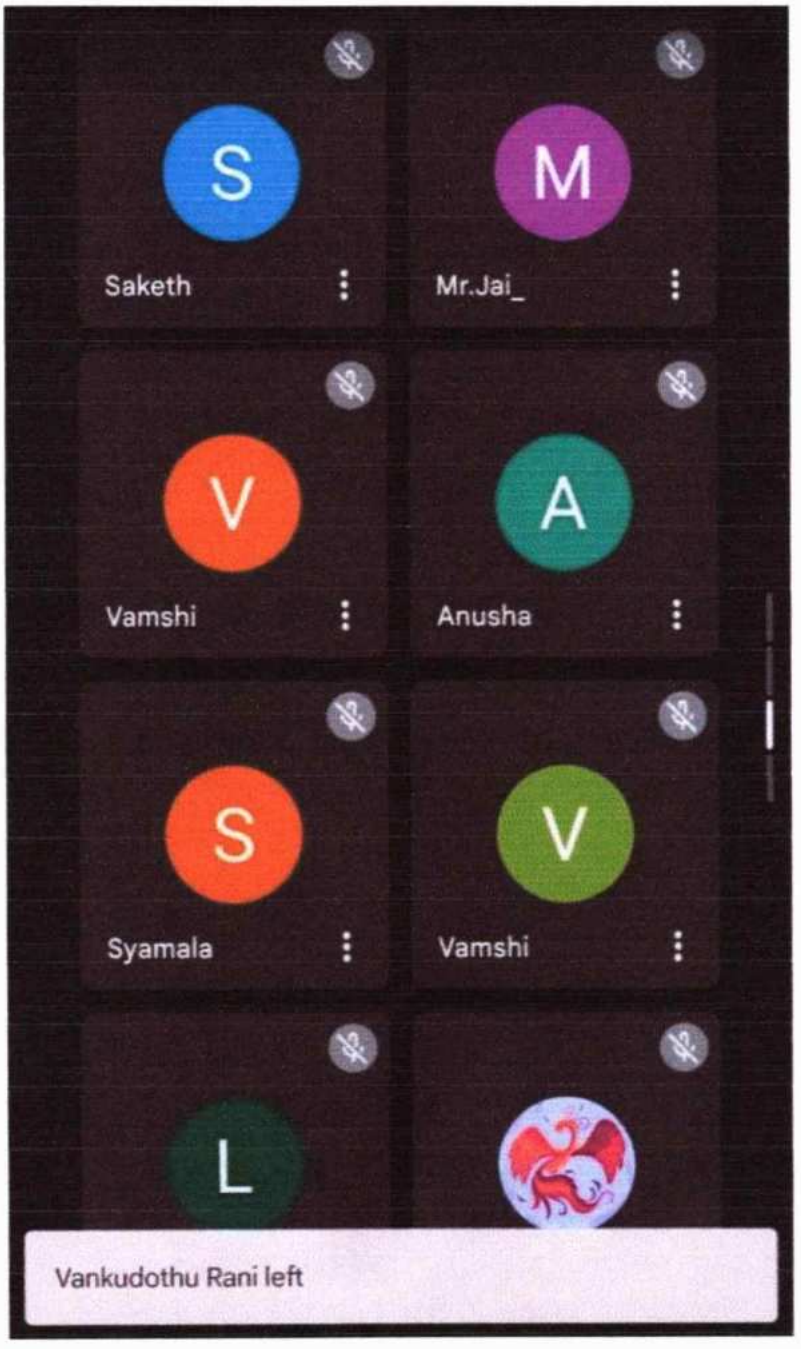

The students of IV year B.Tech certificate program attending "SPRING BOOT" by Mr.D.Srikanth assistant professor

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **SPRING BOOT**

IV YEAR I–SEM **Enrolled Students List** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student
1	17Q61A0501	Amalla Varshitha Reddy
2	17Q61A0503	Awrad Ramya
3	17Q61A0504	Bachanaboina Srikanth
4	17Q61A0505	Baithi Nagarani
5	17Q61A0506	Boddupally Saikiran
6	17Q61A0508	Burma Susheela
7	17Q61A0509	Cherupally Lavanya
8	17Q61A0510	Dommati Sai Teja
9	17Q61A0511	Gantla Achyutha Reddy
10	17Q61A0513	Gopu Vikas
11	17Q61A0514	Gurrala Sri Kanya
12	17Q61A0515	Kalyanapu Nagendrababu
13	17Q61A0516	Kandepu Sai Divya
14	17Q61A0517	Kashagoni Manoj Kumar Goud
15	17Q61A0518	Kasthuri Maneesh
16	17Q61A0519	Kathi Anil Reddy
17	17Q61A0520	Kodaparthy Hemanth
18	17Q61A0521	Komuravelli Sri Laxmi
19	17Q61A0522	Kondaveeti Tiruvenkata S M Saiteja
20	17Q61A0523	Kondeti Sravan Reddy
21	17Q61A0524	Kottala Pragna
22	17Q61A0525	Laggoni Divya
23	17Q61A0526	M Chaitanya Reddy
24	17Q61A0528	Mallela Krishna Mohan
25	17Q61A0531	Md Waseem Qureshi
26	17Q61A0532	Mekala Hari Krishna
27	17Q61A0533	Merugu Srinath
28	17Q61A0534	Mittapally Sai Ram
29	17Q61A0535	Mohammad Shanpasha
30	17Q61A0536	Moodudhudla Saaketh
31	17Q61A0537	Mudipally Shiva Kumar
32	17Q61A0538	Nagelly Lithesh
33	17Q61A0539	Nallabolu Prasad
34	17Q61A0540	Nikhar Jaiswal
35	17Q61A0541	Nimmala Shirisha

36	17Q61A0542	Nuchu Mounika
37	17Q61A0543	Pandal Ravi Chandra
38	17Q61A0544	Pannala Uma Reddy
39	17Q61A0545	Prathikantam Nikith Raju
40	17Q61A0546	R Shashi Kumar
41	17Q61A0547	Ramineni Sailajapriyanka
42	17Q61A0548	Shakkara Sravanthi
43	17Q61A0549	Shanigarapu Sandhya
44	17Q61A0550	Sirigiri Viraal
45	17Q61A0552	Syed Mujahidnayeem
46	17Q61A0553	Thorlikonda R Sloka
47	17Q61A0554	U Prashanth
48	17Q61A0555	Veeramalla Revathi
49	17Q61A0557	Yaradla Tejaswini
50	17Q61A0558	Yedamakanti Naveen Kumar Reddy
51	17Q61A0559	Yedla Naveen Kumar
52	17Q61A0560	Yelma Sharanya Reddy
53	17Q61A0561	Yeramala Sai Manikanta Reddy
54	17Q61A0562	Akurati Naga Venkata Sri Sai
55	17Q61A0563	Alampally Sai Lakshmi
56	17Q61A0564	Arjilli Harish-9441353822
57	17Q61A0566	Chada Sai Vaishnavi
58	17Q61A0567	Devi Reddy Pooja
59	17Q61A0568	Ganoju Rahul
60	17Q61A0569	Srilekha
61	17Q61A0570	Gangadevi Divya
62	17Q61A0571	Ganja Aneesh
63	17Q61A0573	Kurada Sai Phani Bharghavi
64	17Q61A0574	Mygapu Venkata Sai Pradeepthi
65	17Q61A0575	Vadakattu Vibhavi
66	17Q61A0576	Vannam Pruthvi Raj
67	17Q61A0577	Varala Bharath Reddy
68	17Q61A0578	Veeramalla Akhil
69	17Q61A0580	Vishnubhotla Durga Sri Valli
70	17Q61A0581	Vishwanatham Shireesha
71	16Q61A0541	Nayikoti Ramkumar
72	16Q61A0543	Pakala Srikanth
73	16Q61A0544	Peddi Rohit
74	16Q61A0567	Eshware Akshaykumar
75	16Q61A0517	Gandu Ravindar

76	16Q61A0537	Martha Praneeth
77	16Q61A0590	Chintapally Anoj Kumar
78	16Q61A0546	Sana
79	16Q61A0575	Konakanchi Ankitha
80	16Q61A0589	Kasturi Phaneendra
81	18Q65A0501	Anumalla Pradeep Kumar
82	18Q65A0502	Avula Karthik
83	18Q65A0503	Balla Shiva Krishna
84	18Q65A0504	Bethu Dileepkumar
85	18Q65A0505	Boddu Anusha
86	18Q65A0506	Chikatla Kranthikumar
87	18Q65A0507	Degala Yesaswini
88	18Q65A0508	Gunda Anusha
89	18Q65A0509	Jabbu Shivakumar
90	18Q65A0510	Kairamkonda Ashritha
91	18Q65A0511	Kalikar Monika
92	18Q65A0512	Kandhakatla Bhargavi
93	18Q65A0513	Kokkula Vishnu Vardhan
94	18Q65A0514	Kota Sandeep
95	18Q65A0515	Mandaloju Sravani
96	18Q65A0516	Parupalli Shivanc
97	18Q65A0517	Suthrala Sushith Kumar
98	18Q65A0518	Telusuri Santhosh
99	18Q65A0519	Tulasigari Bhavani
100	15Q61A0586	Garlapati Saikiran Reddy

CO ORDINATOR
CO ORDINATOR
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Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Head of the Department
Computer Science & Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ADD ON COURSE NAME: **SPRING BOOT**

IV YEAR I–SEM **A.Y 2020-2021** **Date: 27-01-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21	22.02.21
1	17Q61A0501	Amalla Varshitha Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	17Q61A0503	Awrad Ramya	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
3	17Q61A0504	Bachanaboina Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	17Q61A0505	Baithi Nagarani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	17Q61A0506	Boddupally Saikiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	17Q61A0508	Burma Susheela	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	17Q61A0509	Cherupally Lavanya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	17Q61A0510	Dommati Sai Teja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	17Q61A0511	Gantla Achyutha Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	17Q61A0513	Gopu Vikas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	17Q61A0514	Gurrala Sri Kanya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	17Q61A0515	Kalyanapu Nagendrababu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	17Q61A0516	Kandepu Sai Divya	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
14	17Q61A0517	Kashagoni Manoj Kumar Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	17Q61A0518	Kasthuri Maneesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	17Q61A0519	Kathi Anil Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	17Q61A0520	Kodaparthy Hemanth	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	17Q61A0521	Komuravelli Sri Laxmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	17Q61A0522	Kondaveeti Tiruvenkata S M Saiteja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	17Q61A0523	Kondeti Sravan Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	17Q61A0524	Kottala Pragna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	17Q61A0525	Laggoni Divya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	17Q61A0526	M Chaitanya Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

24	17Q61A0528	Mallela Krishna Mohan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	17Q61A0531	Md Waseem Qureshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	17Q61A0532	Mekala Hari Krishna	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
27	17Q61A0533	Merugu Srinath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	17Q61A0534	Mittapally Sai Ram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	17Q61A0535	Mohammad Shanpasha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	17Q61A0536	Moodudhudla Saaketh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	17Q61A0537	Mudipally Shiva Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	17Q61A0538	Nagelly Lithesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	17Q61A0539	Nallabolu Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	17Q61A0540	Nikhar Jaiswal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	17Q61A0541	Nimmala Shirisha	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
36	17Q61A0542	Nuchu Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	17Q61A0543	Pandal Ravi Chandra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	17Q61A0544	Pannala Uma Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	17Q61A0545	Prathikantam Nikith Raju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	17Q61A0546	R Shashi Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	17Q61A0547	Ramineni Sailajapriyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	17Q61A0548	Shakkara Sravanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	17Q61A0549	Shanigarapu Sandhya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	17Q61A0550	Sirigiri Viraal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	17Q61A0552	Syed Mujahidnayeem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	17Q61A0553	Thorlikonda R Sloka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	17Q61A0554	U Prashanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	17Q61A0555	Veeramalla Revathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	17Q61A0557	Yaradla Tejaswini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	17Q61A0558	Yedamakanti Naveen Kumar Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	17Q61A0559	Yedla Naveen Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	17Q61A0560	Yelma Sharanya Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	17Q61A0561	Yeramala Sai Manikanta Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	17Q61A0562	Akurati Naga Venkata Sri Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	17Q61A0563	Alampally Sai Lakshmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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56	17Q61A0564	Arjilli Harish	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	17Q61A0566	Chada Sai Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	17Q61A0567	Devi Reddy Pooja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	17Q61A0568	Ganoju Rahul	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
60	17Q61A0569	Srilekha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	17Q61A0570	Gangadevi Divya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	17Q61A0571	Ganja Aneesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	17Q61A0573	Kurada Sai Phani Bharghavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	17Q61A0574	Mygapu Venkata Sai Pradeepthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	17Q61A0575	Vadakattu Vibhavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	17Q61A0576	Vannam Pruthvi Raj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	17Q61A0577	Varala Bharath Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	17Q61A0578	Veeramalla Akhil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	17Q61A0580	Vishnubhotla Durga Sri Valli	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	17Q61A0581	Vishwanatham Shireesha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
71	16Q61A0541	Nayikoti Ramkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	16Q61A0543	Pakala Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	16Q61A0544	Peddi Rohit	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74	16Q61A0567	Eshware Akshaykumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	16Q61A0517	Gandu Ravindar	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
76	16Q61A0537	Martha Praneeth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
77	16Q61A0590	Chintapally Anoj Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	16Q61A0546	Sana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	16Q61A0575	Konakanchi Ankitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80	16Q61A0589	Kasturi Phaneendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
81	18Q65A0501	Anumalla Pradeep Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	18Q65A0502	Avula Karthik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
83	18Q65A0503	Balla Shiva Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84	18Q65A0504	Bethu Dileepkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85	18Q65A0505	Boddu Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
86	18Q65A0506	Chikatla Kranthikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
87	18Q65A0507	Degala Yesaswini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

88	18Q65A0508	Gunda Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	18Q65A0509	Jabbu Shivakumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
90	18Q65A0510	Kairamkonda Ashritha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	18Q65A0511	Kalikar Monika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
92	18Q65A0512	Kandhakatla Bhargavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
93	18Q65A0513	Kokkula Vishnu Vardhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
94	18Q65A0514	Kota Sandeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
95	18Q65A0515	Mandaloju Sravani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
96	18Q65A0516	Parupalli Shivane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	18Q65A0517	Suthrala Sushith Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
98	18Q65A0518	Telusuri Santhosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	18Q65A0519	Tulasigari Bhavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
100	15Q61A0586	Garlapati Saikiran Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

CO ORDINATOR

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HOD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE NAME: **SPRING BOOT**

IV YEAR I–SEM **A.Y 2020-21** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	17Q61A0501	Amalla Varshitha Reddy	45	100
2	17Q61A0503	Awrad Ramya	42	93.3
3	17Q61A0504	Bachanaboina Srikanth	45	100
4	17Q61A0505	Baithi Nagarani	45	100
5	17Q61A0506	Boddupally Saikiran	45	100
6	17Q61A0508	Burma Susheela	45	100
7	17Q61A0509	Cherupally Lavanya	45	100
8	17Q61A0510	Dommati Sai Teja	45	100
9	17Q61A0511	Gantla Achyutha Reddy	45	100
10	17Q61A0513	Gopu Vikas	45	100
11	17Q61A0514	Gurrala Sri Kanya	45	100
12	17Q61A0515	Kalyanapu Nagendrababu	45	100
13	17Q61A0516	Kandepu Sai Divya	42	93.3
14	17Q61A0517	Kashagoni Manoj Kumar Goud	45	100
15	17Q61A0518	Kasthuri Maneesh	45	100
16	17Q61A0519	Kathi Anil Reddy	45	100
17	17Q61A0520	Kodaparthy Hemanth	42	93.3
18	17Q61A0521	Komuravelli Sri Laxmi	45	100
19	17Q61A0522	Kondaveeti Tiruvenkata S M Saiteja	45	100
20	17Q61A0523	Kondeti Sravan Reddy	45	100
21	17Q61A0524	Kottala Pragna	45	100
22	17Q61A0525	Laggoni Divya	45	100
23	17Q61A0526	M Chaitanya Reddy	45	100
24	17Q61A0528	Mallela Krishna Mohan	45	100
25	17Q61A0531	Md Waseem Qureshi	45	100
26	17Q61A0532	Mekala Hari Krishna	42	93.3
27	17Q61A0533	Merugu Srinath	45	100
28	17Q61A0534	Mittapally Sai Ram	45	100
29	17Q61A0535	Mohammad Shanpasha	45	100
30	17Q61A0536	Moodudhudla Saaketh	45	100
31	17Q61A0537	Mudipally Shiva Kumar	45	100
32	17Q61A0538	Nagelly Lithesh	45	100
33	17Q61A0539	Nallabolu Prasad	45	100
34	17Q61A0540	Nikhar Jaiswal	45	100

35	17Q61A0541	Nimmala Shirisha	42	93.3
36	17Q61A0542	Nuchu Mounika	45	100
37	17Q61A0543	Pandal Ravi Chandra	45	100
38	17Q61A0544	Pannala Uma Reddy	45	100
39	17Q61A0545	Prathikantam Nikith Raju	45	100
40	17Q61A0546	R Shashi Kumar	45	100
41	17Q61A0547	Ramineni Sailajapriyanka	45	100
42	17Q61A0548	Shakkara Sravanthi	45	100
43	17Q61A0549	Shanigarapu Sandhya	45	100
44	17Q61A0550	Sirigiri Viraal	45	100
45	17Q61A0552	Syed Mujahidnayeem	45	100
46	17Q61A0553	Thorlikonda R Sloka	45	100
47	17Q61A0554	U Prashanth	45	100
48	17Q61A0555	Veeramalla Revathi	45	100
49	17Q61A0557	Yaradla Tejaswini	45	100
50	17Q61A0558	Yedamakanti Naveen Kumar Reddy	45	100
51	17Q61A0559	Yedla Naveen Kumar	45	100
52	17Q61A0560	Yelma Sharanya Reddy	45	100
53	17Q61A0561	Yeramala Sai Manikanta Reddy	45	100
54	17Q61A0562	Akurati Naga Venkata Sri Sai	45	100
55	17Q61A0563	Alampally Sai Lakshmi	45	100
56	17Q61A0564	Arjilli Harish	45	100
57	17Q61A0566	Chada Sai Vaishnavi	45	100
58	17Q61A0567	Devi Reddy Pooja	45	100
59	17Q61A0568	Ganoju Rahul	42	93.3
60	17Q61A0569	Srilekha	45	100
61	17Q61A0570	Gangadevi Divya	45	100
62	17Q61A0571	Ganja Aneesh	45	100
63	17Q61A0573	Kurada Sai Phani Bharghavi	45	100
64	17Q61A0574	Mygapu Venkata Sai Pradeepthi	45	100
65	17Q61A0575	Vadakattu Vibhavi	45	100
66	17Q61A0576	Vannam Pruthvi Raj	45	100
67	17Q61A0577	Varala Bharath Reddy	45	100
68	17Q61A0578	Veeramalla Akhil	45	100
69	17Q61A0580	Vishnubhotla Durga Sri Valli	45	100
70	17Q61A0581	Vishwanatham Shireesha	45	100
71	16Q61A0541	Nayikoti Ramkumar	45	100
72	16Q61A0543	Pakala Srikanth	45	100
73	16Q61A0544	Peddi Rohit	42	93.3
74	16Q61A0567	Eshware Akshaykumar	45	100

75	16Q61A0517	Gandu Ravindar	42	93.3
76	16Q61A0537	Martha Praneeth	45	100
77	16Q61A0590	Chintapally Anoj Kumar	45	100
78	16Q61A0546	Sana	45	100
79	16Q61A0575	Konakanchi Ankitha	45	100
80	16Q61A0589	Kasturi Phaneendra	45	100
81	18Q65A0501	Anumalla Pradeep Kumar	45	100
82	18Q65A0502	Avula Karthik	45	100
83	18Q65A0503	Balla Shiva Krishna	45	100
84	18Q65A0504	Bethu Dileepkumar	45	100
85	18Q65A0505	Boddu Anusha	45	100
86	18Q65A0506	Chikatla Kranthikumar	45	100
87	18Q65A0507	Degala Yesaswini	45	100
88	18Q65A0508	Gunda Anusha	45	100
89	18Q65A0509	Jabbu Shivakumar	45	100
90	18Q65A0510	Kairamkonda Ashritha	45	100
91	18Q65A0511	Kalikar Monika	45	100
92	18Q65A0512	Kandhakatla Bhargavi	45	100
93	18Q65A0513	Kokkula Vishnu Vardhan	45	100
94	18Q65A0514	Kota Sandeep	45	100
95	18Q65A0515	Mandaloju Sravani	45	100
96	18Q65A0516	Parupalli Shivane	45	100
97	18Q65A0517	Suthrala Sushith Kumar	45	100
98	18Q65A0518	Telusuri Santhosh	45	100
99	18Q65A0519	Tulasigari Bhavani	45	100
100	15Q61A0586	Garlapati Saikiran Reddy	45	100

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Computer Science & Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (VIII), Abdullapur Met (Mdl),
Ranga Reddy District.

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
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NAAC "B++" Accredited Institute
Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.
www.aietg.ac.in email: principal.avanthi@gmail.com

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 28-02-2021

PROGRAM REPORT

Name of the value added course: Spring Boot
Day/Duration: 45 Hours
Time: 10:00 Am to 01:00 Pm
Resource Person: Mr.D.Srikanth, Subject Expert, IBeon Info Tech Pvt Ltd
Name of the Coordinator: Mr. Abdul Ahmad Afroz, Assistant Professor
Number of the Participants: 95
Topics covered: The following topics covered in this program

- Data types, Variables, Operators, Control Statements
- Classes and Objects, Constructor, Type Casting
- Garbage Collection, Inner Class, Command Line Arguments
- Method Overriding, Method Overloading Interfaces, Interface Creation
- Importance of Exception Handling, Checked and Unchecked

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HOD

Head of the Department
Computer Science & Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (VIII), Abdullapur Met (Mdl),
Ranga Reddy District.

IBeON INFOTECH™

Telephone: +91 80 65335559
Email: info@ibeoninfotech.in
Website: www.ibeoninfotech.in

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **B.ANUSHA** .Bearing Reg.No **18Q65A0505** is participated in **"SPRING BOOT"** course conducted at the Avanthi Institute of Engineering & Technology,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **IBeON INFOTECH** from **01/02/2021** to **22/02/2021**.

Head of the Department
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COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **B.NAGARANI** .Bearing Reg.No **17Q61A0505** is participated in **"SPRING BOOT"** course conducted at the Avanthi Institute of Engineering & Technology,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **IBeON INFOTECH** from **01/02/2021** to **22/02/2021**.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-21/SEM/I/01 **Date: 08-09-2020**

CIRCULAR

This is to inform all the II B. Tech ECE students that, the Department organizing a Value Added Course on **"Applications of Deep Learning for Computer Vision ".** This course is scheduled for 06 Days which will take from 14-09-2020 to 19-09-2020 in online mode. This course is organized by Department of Electronics and Communication Engineering.

The Value Added Course is in Collaboration with Mr.G.Manohar with Future Gen Technologies.

Head of the Department
HOD
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
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Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice board
II.B. Tech students
Dept. file

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ABOUT THE COURSE

Deep Learning, also known as deep neural learning or deepneural network, is an aspect of artificial intelligence thatdepends on data representations rather than task-specificalgorithms. It allows the user to run supervised, semi-supervised, and unsupervised learning.

COURSE OBJECTIVES

Introduce to the basic concepts of neural networks. Identify and analyze the various types of neural networks and models of neuron and apply accordingly. Introduce the concept of deep learning and its types. Explore the concepts of applications of eep learning.

EXPECTED OUTCOMES

Upon completing this course students will be able to:
Analyze and apply the basic concepts of neural networks. Analyze various types of neural networks and use various activation functions to solve complex problems. Relate the concept of deep learning and its architecture. Design and carry out empirical analysis for various types of applications of deep learning systems

Resource Person	Co-ordinator
Mr.G.Manohar	Mrs.P.Padmavathi
Technical Trainer	Assistant Professor
Future Gen Technologies	Department of ECE

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSecfRJLe19NWTrwk4-17XI3135lpCHjlpy2M_Mfv92t-g55Q/viewform

Google Meet Link: https://meet.google.com/vqt-xvoh-ksiapl

Class starts from 14-09-2020 to 19-09-2020 10:00 AM--4 PM

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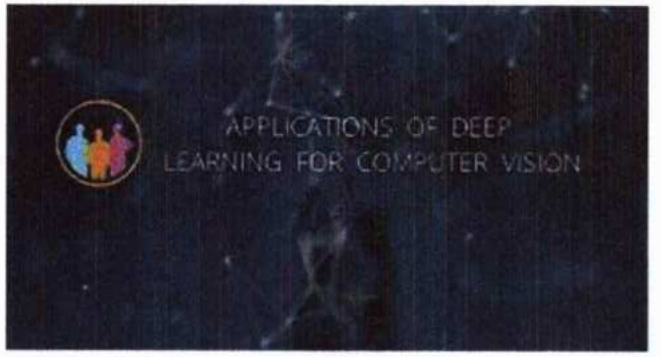
INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

ACCREDITED WITH GRADE B++ NAAC

ADD-ON COURSE ON

"APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION"



14th SEP TO 19th SEP, 2020

DURATION OF THE COURSE 36HRS

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH II YEAR-I SEM

Course Objectives:

- To learn the introduction of Deep Learning.
- To understand the Common architectural principles of Deep Networks
- To introduce the concept of deep learning and types.
- To design the Convolution Neural Networks(CNNs)
- To learn Recursive neural networks

UNIT-I

INTRODUCTION TO NEURAL NETWORKS: Characteristics of Neural Networks, Historical Development of Neural Networks Principles, And Artificial Neural Networks: Terminology Models of Neuron Topology Basic Learning Laws, Pattern Recognition, Basic Functional Units, Pattern Recognition Tasks by the Functional Units Introduction, Analysis of pattern Association Networks Analysis of pattern .Classification Networks Analysis of pattern Storage Networks, and Networks Analysis of pattern Mapping Networks.

UNIT-II

Feedback Neural Networks: Introduction, Analysis of Linear Auto associative FF Networks, Analysis of pattern Storage Networks, Competitive Learning Neural Networks & Complex Pattern Recognition Introduction, Analysis of pattern Clustering Networks, Analysis of Feature Mapping Networks, Associative Memory.

UNIT-III

Fundamental of Deep Learning: Defining Deep Learning, Common architectural principles of Deep Networks, Building Blocks of Deep Networks, and Major architecture of Deep Networks: Unsupervised Pertained Networks, Convolution Neural Networks (CNNs), Recursive neural networks

UNIT-IV

Convolution Neural Networks: The Convolution operation, motivation, pooling, Convolution

And pooling as an Infinity strong Prior, Applications of Deep learning: Large scale deep Computer vision, speech Recognition, Neural Processing, other applications.

UNIT-V Sequential Modeling: Recurrent Neural Networks: Recursive Neural Networks, The long short-term Memory, Explicit memory, Auto encoders: under complete, regularized, Stochastic Encoders and Decoders, Denoising Auto encoders

TEXT BOOKS:

1. Artificial Neural Networks B.Yagna Narayana. PHI (Chapter 1, 2 and 3)

2. Deep Learning: A Practitioner's Approach by Josh Patterson, Adam Gibson.
3. Bengio, Yoshua, Ian J Good fellow, and Aaron Courvile. " Deep Learning" an MIT Press Book in preparation (2015).http//www.deeplearningbook.org/

REFERENCE BOOKS:

1. Neural Networks by Simon Haykin PHI
2. Deep learning (Adaptive computation & Machine learning by Ian Good fellow, YoshuanBengio, Aran Courville.
3. Fundamental of Neural Networks Architectures, Algorithms and Application by Fausett.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION**

ACADEMIC YEAR: 2020-21 **Date: 08-09-2020**

B.TECH II YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
14-09-20	Characteristics of Neural Networks, Historical Development of Neural Networks Principles, And Artificial Neural Networks	09:30 am to 04:00 pm	6 hour
15-09-20	Introduction, Analysis of Linear Auto associative FF Networks, Analysis of pattern Storage Networks	09:30 am to 04:00 pm	6 hour
16-09-20	Defining Deep Learning, Common architectural principles of Deep Networks, Building Blocks of Deep Networks, and Major architecture of Deep Networks	09:30 am to 04:00 pm	6 hour
17-09-20	The Convolution operation, motivation, pooling, Convolution And pooling as an Infinity strong Prior, Applications of Deep learning	09:30 am to 04:00 pm	6 hour
18-09-20	Recurrent Neural Networks: Recursive Neural Networks, The long short-term Memory,	09:30 am to 04:00 pm	6 hour
19-09-20	Explicit memory, Auto encoders: under complete, regularized	09:30 am to 04:00 pm	6 hour
			Total – 36 Hours

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION**

II YEAR I–SEM **Enrolled Students List** **Date: 14-09-2020 to 19-09-2020**

S.No	Roll Number	Name of The Student
1	19Q61A0401	Aitha Swamynath
2	19Q61A0402	Akkela Swetha
3	19Q61A0403	Ala Sri Teja Reddy
4	19Q61A0404	Amit Kumar Samal
5	19Q61A0405	Artham Anjali
6	19Q61A0406	Aytha Pavan Kalyan
7	19Q61A0407	Baddula Apoorva
8	19Q61A0408	Bandaru Ram Reddy
9	19Q61A0409	Bandi Sindhu
10	19Q61A0410	Barla Anil Kumar
11	19Q61A0411	Bathula Prashanth
12	19Q61A0412	Bramadhevara Varun
13	19Q61A0413	Chirumamilla Sai Teja
14	19Q61A0414	Desi Deekshitha
15	19Q61A0415	Donda Sampath Reddy
16	19Q61A0416	Enabothula Nagaraju
17	19Q61A0417	Gaddam Sahana
18	19Q61A0418	Gone Manohar
19	19Q61A0419	Gorla Akshaya
20	19Q61A0420	Gorrepati Yaswanth
21	19Q61A0421	Gouni Srinika Reddy
22	19Q61A0422	Gummula Anupama
23	19Q61A0423	Gummula Sripathi
24	19Q61A0424	Irukulapati Sai Charan
25	19Q61A0425	Jagadabi Venu Gopal
26	19Q61A0426	K Ajay Karthik
27	19Q61A0427	Kappera Anoosha
28	19Q61A0428	Kodem Devanand
29	19Q61A0429	Kommanaboina Pradeep
30	19Q61A0430	Koripelli Aishwarya
31	19Q61A0431	Lagga Saikoushik

32	19Q61A0432	Maddineni Mahesh
33	19Q61A0433	Madhavaram Shiva Prasad
34	19Q61A0434	Mankal Supriya
35	19Q61A0435	Merugu Akash
36	19Q61A0436	Motam Navadeep
37	19Q61A0437	Munagala Dhanush
38	19Q61A0438	Nagollu Nikitha Reddy

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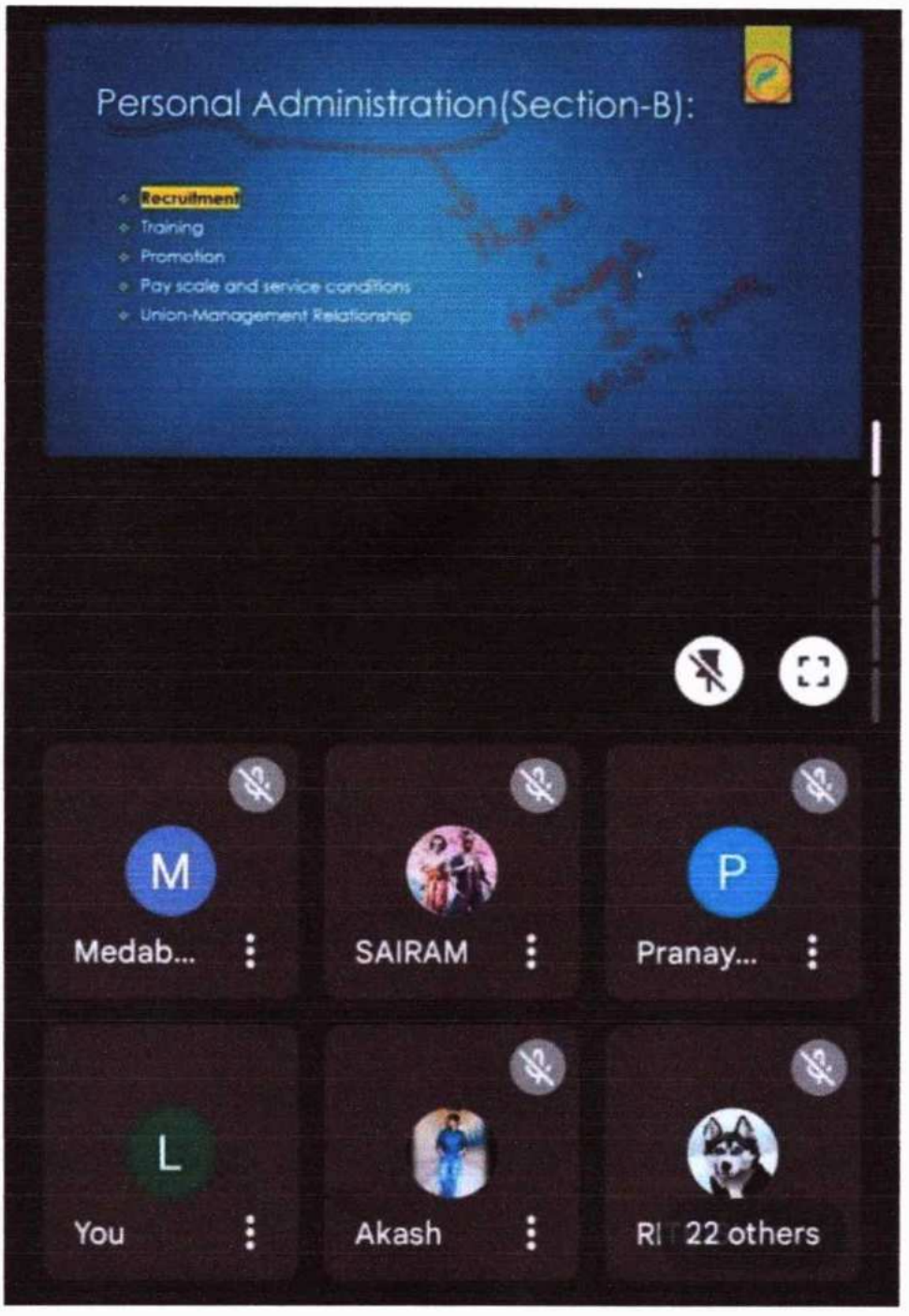

The students of II year B.Tech certificate program attending " Applications of Deep Learning For Computer Vision" by Mr.G.Manohar, Technical Trainer, Future Gen Technologies.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION**

II YEAR I–SEM **A.Y 2020-2021** **Date: 08-09-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	14.09.20	15.09.20	16.09.20	17.09.20	18.09.20	19.09.20
1	19Q61A0401	Aitha Swamynath	A	P	P	P	P	P
2	19Q61A0402	Akkela Swetha	P	P	P	P	P	P
3	19Q61A0403	Ala Sri Teja Reddy	P	P	P	P	P	P
4	19Q61A0404	Amit Kumar Samal	P	P	P	P	P	P
5	19Q61A0405	Artham Anjali	P	P	P	P	P	P
6	19Q61A0406	Aytha Pavan Kalyan	P	P	P	P	P	P
7	19Q61A0407	Baddula Apoorva	P	P	P	P	P	P
8	19Q61A0408	Bandaru Ram Reddy	A	A	A	A	A	A
9	19Q61A0409	Bandi Sindhu	P	P	P	P	P	P
10	19Q61A0410	Barla Anil Kumar	P	P	P	A	P	P
11	19Q61A0411	Bathula Prashanth	P	P	P	P	P	P
12	19Q61A0412	Bramadhevara Varun	P	P	P	P	P	P
13	19Q61A0413	Chirumamilla Sai Teja	P	P	P	P	P	P
14	19Q61A0414	Desi Deekshitha	A	P	P	P	P	P
15	19Q61A0415	Donda Sampath Reddy	P	P	P	P	P	P
16	19Q61A0416	Enabothula Nagaraju	P	P	P	P	P	P
17	19Q61A0417	Gaddam Sahana	P	P	P	P	P	P
18	19Q61A0418	Gone Manohar	P	P	P	P	P	P
19	19Q61A0419	Gorla Akshaya	P	P	P	P	P	P
20	19Q61A0420	Gorrepati Yaswanth	P	P	P	P	P	P
21	19Q61A0421	Gouni Srinika Reddy	A	A	A	A	A	A
22	19Q61A0422	Gummula Anupama	P	P	P	P	P	P
23	19Q61A0423	Gummula Sripathi	P	P	P	P	P	P
24	19Q61A0424	Irukulapati Sai Charan	P	P	P	A	P	P
25	19Q61A0425	Jagadabi Venu Gopal	P	P	P	P	P	P
26	19Q61A0426	K Ajay Karthik	P	P	P	P	P	P
27	19Q61A0427	Kappera Anoosha	P	P	P	P	P	P
28	19Q61A0428	Kodem Devanand	P	P	P	P	P	P
29	19Q61A0429	Kommanaboina Pradeep	P	P	P	P	P	P
30	19Q61A0430	Koripelli Aishwarya	P	P	P	P	P	P
31	19Q61A0431	Lagga Saikoushik	P	P	P	P	P	P

32	19Q61A0432	Maddineni Mahesh	A	A	A	A	A	A
33	19Q61A0433	Madhavaram Shiva Prasad	P	P	P	P	P	P
34	19Q61A0434	Mankal Supriya	P	P	P	P	P	P
35	19Q61A0435	Merugu Akash	A	P	P	P	P	P
36	19Q61A0436	Motam Navadeep	P	P	P	P	P	P
37	19Q61A0437	Munagala Dhanush	P	P	A	P	P	P
38	19Q61A0438	Nagollu Nikitha Reddy	P	P	P	P	P	P

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Head of the Department

Head of the Department
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION**

II YEAR I–SEM **A.Y 2020-21** **Date: 14-09-2020 to 19-09-2020**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0401	Aitha Swamynath	30	83.3
2	19Q61A0402	Akkela Swetha	36	100
3	19Q61A0403	Ala Sri Teja Reddy	36	100
4	19Q61A0404	Amit Kumar Samal	36	100
5	19Q61A0405	Artham Anjali	36	100
6	19Q61A0406	Aytha Pavan Kalyan	36	100
7	19Q61A0407	Baddula Apoorva	36	100
8	19Q61A0408	Bandaru Ram Reddy	0	0
9	19Q61A0409	Bandi Sindhu	36	100
10	19Q61A0410	Barla Anil Kumar	30	83.3
11	19Q61A0411	Bathula Prashanth	36	100
12	19Q61A0412	Bramadhevara Varun	36	100
13	19Q61A0413	Chirumamilla Sai Teja	36	100
14	19Q61A0414	Desi Deekshitha	30	83.3
15	19Q61A0415	Donda Sampath Reddy	36	100
16	19Q61A0416	Enabothula Nagaraju	36	100
17	19Q61A0417	Gaddam Sahana	36	100
18	19Q61A0418	Gone Manohar	36	100
19	19Q61A0419	Gorla Akshaya	36	100
20	19Q61A0420	Gorrepati Yaswanth	36	100
21	19Q61A0421	Gouni Srinika Reddy	0	0
22	19Q61A0422	Gummula Anupama	36	100
23	19Q61A0423	Gummula Sripathi	36	100
24	19Q61A0424	Irukulapati Sai Charan	30	83.3
25	19Q61A0425	Jagadabi Venu Gopal	36	100
26	19Q61A0426	K Ajay Karthik	36	100
27	19Q61A0427	Kappera Anoosha	36	100
28	19Q61A0428	Kodem Devanand	36	100
29	19Q61A0429	Kommanaboina Pradeep	36	100
30	19Q61A0430	Koripelli Aishwarya	36	100

31	19Q61A0431	Lagga Saikoushik	36	100
32	19Q61A0432	Maddineni Mahesh	0	0
33	19Q61A0433	Madhavaram Shiva Prasad	36	100
34	19Q61A0434	Mankal Supriya	36	100
35	19Q61A0435	Merugu Akash	30	83.3
36	19Q61A0436	Motam Navadeep	36	100
37	19Q61A0437	Munagala Dhanush	30	83.3
38	19Q61A0438	Nagollu Nikitha Reddy	36	100

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 24-09-2020

PROGRAM REPORT

Name of the value added course: Applications of Deep Learning for Computer Vision
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.G.Manohar, Technical Trainer, Future Gen Technologies.
Name of the Coordinator: Mrs.P.Padmavathi Assistant Professor
Number of the Participants: 35
Topics covered: The following topics covered in this program

- Deep Learning
- CNN
- RNN
- Mapping Networks
- Pattern Recognition

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future gen
TECHNOLOGIES

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **L.SAIKOUSHIK** Bearing Reg.No 19**Q61A0431** is participated in **"APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'Future Gen Technologies'** from **14/09/2020 to 19/09/2020.**

Authorised Signatory

M/s Future Gen Technologies

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Aditya Trade Center (Passport Office), Ameerpet, Hyderabad, Telangana - 500016

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COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **A.SWETHA** Bearing Reg.No 19**Q61A0402** is participated in **"APPLICATIONS OF DEEP LEARNING FOR COMPUTER VISION"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'Future Gen Technologies'** from **14/09/2020 to 19/09/2020.**

Authorised Signatory

M/s Future Gen Technologies

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-2I/SEM/I/02 **Date: 05-10-2020**

CIRCULAR

This is to inform all the III B. Tech & I M.Tech ECE students that, the Department organizing a Value Added Course on **"Design and Implementation of Smart Home Appliances using Arduino"**. This course is scheduled for 06 days which will take place from 12-10-2020 to 17-10-2020 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.P.Sudhakar with Conscience Technologies.

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Head of the Department
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Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Range Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
III B. Tech & I M.Tech ECE students
Dept. file

ABOUT THE COURSE

Arduino is the physical programmable board. A wide array of sensor scan be attached with this board and many third-party libraries can be linking with an Arduino sketch. Arduino hardware components are cheaper in relation with other controller architecture and programming language is easy. Arduino has greater academic applications. In this paper, the roles of Arduino among micro controller boards are investigated. First, different types of Arduino boards are identified. Second, different Arduino applications are identified from the literature reported in the literature are surveyed and analyzed. In the last we will also summarize the work done.

COURSE OBJECTIVES

Arduino is a prototype platform based on an easy-to-use hardware and software. It consist of a circuit board, which can be programmed and a ready-made software called Arduino IDE, which is used to write and upload the computer code to the physical board. Arduino provides a standard form factor that breaks the functions of the micro-controller into a more accessible package.

EXPECTED OUTCOMES

Students will be able to Learn the basics of electronics, including reading schematics Learn the Arduino programming language and IDE, program basic Arduino examples. Prototype circuits and connect them to the Arduino. Program the Arduino microcontroller to make the circuits work. Connect the Arduino microcontroller to a serial terminal to understand communication and stand-alone use. Explore the provide examples code and online resources for extending knowedge about the capailities of the Arduino microcontroller.

Resource Person	Co-ordinator
Mr.P.Sudhakar	Mr.S Saidi Reddy
Technical Trainer	Assistant Professor
Conscience Technologies	Department of ECE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Class starts from 12-10-2020 to 17-10-2020 10:00AM-04:00PM

Google Meet Link: https://meet.google.com/vgt-xvoh-ksi

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ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

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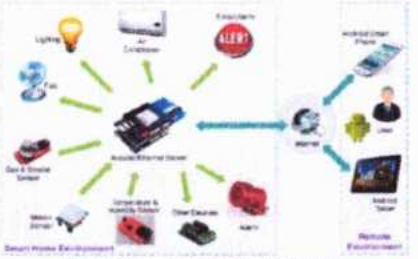

Figure 2: System architecture of the smart home system.

VALUE ADDED COURSE ON

"DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO"

12th OCT TO 17th OCT,2020

DURATION OF THE COURSE 36 HRS

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO**

VALUE ADDED COURSE SYLLABUS

III B. Tech & I M.Tech **ACADEMIC YEAR: 2020-2021**

Course Objectives:

- To learn the introduction of Ardunio and Ardunio data types
- To Design the pin configuration and Architectures
- To remember the application advantages and disadvantages
- To explain the variables and constants, Operators, Control Statements
- To learn Ardunio Interfacing Board

UNIT- I: INTRODUCTION: Introduction to embedded system, Understanding embedded system, Overview of basic electronics and electronics, Microcontroller vs Microprocessor, Common Features of Microcontroller Comparison between the two, Different types of microcontrollers.

UNIT- II: GETTING STANDARD WITH ARDUINO: Introduction to Ardunio, Pin configuration and Architecture, Device and platform features, concepts of digital and analog ports, Facilitating with Ardunio Interfacing Board, Introduction to embedded C and Ardunio platforms.

UNIT- III: REVIEW OF BASIC CONCEPTS: Ardunio data types, Variable and constants, Operators, Control Statements, Arrays, Functions

UNIT- IV: ARDUINO I/O FUNCTIONS: Pins Configurations as INPUT pull-up Resistors, Pins Configured as OUTPUT, pin Mode 0 Functions, digital Write function Analog Read () Function, Ardunio interrupts

UNIT- V: ARDUINO: Incorporation Ardunio time, Applications, Advantages and Disadvantages

TEXT BOOKS

1. Programming Ardunio: Getting Started with Sketches (Second edition A Hands- on Introduction with 65 Projects 1st Edition.

REFERENCE BOOKS:

1. **Ardunio – A** Technical Reference: A handbook for Technicians, Engineers, and Marks

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO**

ACADEMIC YEAR: 2020-2021 **Date: 05-10-2020**

III B. Tech & I M.Tech **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
12-10-20	Introduction to embedded system, Understanding embedded system, Overview of basic electronics and electronics	09:30 am to 04:00 pm	6 hour
13-10-20	Introduction to Ardunio, Pin configuration and Architecture, Device and platform features, concepts of digital and analog	09:30 am to 04:00 pm	6 hour
14-09-20	Ardunio data types, Variable and constants, Operators, Control Statements, Arrays, Functions	09:30 am to 04:00 pm	6 hour
15-10-20	Pins Configurations as INPUT pull-up Resistors, Pins Configured as OUTPUT, pin Mode 0 Functions, digital Write function Analog Read	09:30 am to 04:00 pm	6 hour
16-10-20	Functions, digital Write function Analog Read () Function, Ardunio interrupts	09:30 am to 04:00 pm	6 hour
17-09-20	Incorporation Ardunio time, Applications, Advantages and Disadvantages	09:30 am to 04:00 pm	6 hour
			Total – 36 hours

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO**

III B. Tech & I M.Tech-I SEM Enrolled Students List Date: 12-10-2021 to 17-10-2020

S.No	Roll Number	Name of The Student
1	18Q61A0401	A Venkatesh
2	18Q61A0402	Arajula Revathi
3	18Q61A0403	Batthu Chandu
4	18Q61A0404	Bharatha Raviteja
5	18Q61A0405	Bobbala Deepa
6	18Q61A0406	Boddu Srinivas Reddy
7	18Q61A0407	Boga Keerthi
8	18Q61A0408	Chitla Prathyusha
9	18Q61A0409	Daresh Adarsh
10	18Q61A0410	Dekka Sai Kiran
11	18Q61A0411	Etikala Sai Charan Reddy
12	18Q61A0412	Gaddam Rahul Yadav
13	18Q61A0413	Gandla Ramya
14	18Q61A0414	Gogu Edukondal
15	18Q61A0415	Jambula Rakesh Reddy
16	18Q61A0416	K Nikitha
17	18Q61A0417	Kasireddy Nithish
18	18Q61A0418	Kasoju Shravya
19	18Q61A0419	Katkam Meghana
20	18Q61A0420	Katta Harmitha
21	18Q61A0421	M Ramesh
22	18Q61A0422	Maligireddy Keerthi
23	18Q61A0423	Mallikanti Sai Krishna
24	18Q61A0424	Mamidala Sreeja
25	20Q61D5701	Chanchala Babayshalini
26	20Q61D5702	Charishmmaa G
27	20Q61D5703	Chukka Navarathna
28	20Q61D5704	Gaddam Aravind
29	20Q61D5705	Ganganamoni Ilaiah
30	20Q61D5706	Jella Sudhakar
31	20Q61D5707	K Narasimha
32	20Q61D5708	Myana Vinay
33	20Q61D5709	Pyaram Navya

34	20Q61D5710	Singam Sai Kiran
35	20Q61D5711	Thamballa Pooja
36	20Q61D5712	Vemuganti Laxmi Prasanna
37	20Q61D5713	Vutukuri Pranay
38	20Q61D5714	Bhaskara Bhavani
39	20Q61D5715	Gundeboina Santhoshini
40	20Q61D5716	Kambampati Vamshinadh
41	20Q61D5717	Kethan Tingilkar
42	20Q61D5718	Murari Mounika

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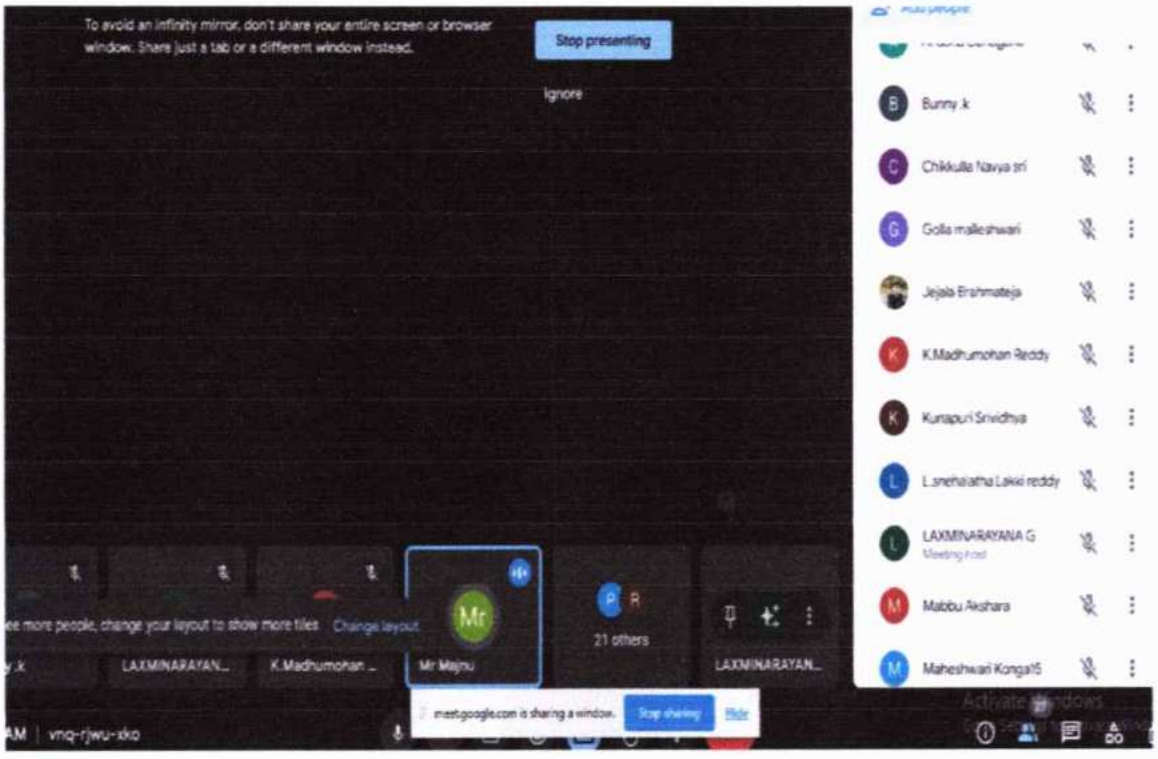

The students of III year B.Tech certificate program attending Design and Implementation of Smart Home Appliances Using Arduino" by Mr.P.Sudhakar, Technical Trainer, from Conscience Technologies.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO**

III B. Tech & I M.Tech-I SEM **A.Y 2020-2021** **Date: 05-10-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	12.10.20	13.10.20	14.10.20	15.10.20	16.10.20	17.10.20
1	18Q61A0401	A Venkatesh	A	P	P	P	P	P
2	18Q61A0402	Arajula Revathi	P	P	P	P	P	P
3	18Q61A0403	Batthu Chandu	P	P	P	P	P	P
4	18Q61A0404	Bharatha Raviteja	P	P	P	P	P	P
5	18Q61A0405	Bobbala Deepa	P	P	P	P	P	P
6	18Q61A0406	Boddu Srinivas Reddy	P	P	P	P	P	P
7	18Q61A0407	Boga Keerthi	P	P	P	P	P	P
8	18Q61A0408	Chitla Prathyusha	P	P	P	P	P	P
9	18Q61A0409	Daresh Adarsh	P	P	P	P	P	P
10	18Q61A0410	Dekka Sai Kiran	P	P	P	P	P	P
11	18Q61A0411	Etikala Sai Charan Reddy	P	P	P	P	P	P
12	18Q61A0412	Gaddam Rahul Yadav	A	A	A	A	A	A
13	18Q61A0413	Gandla Ramya	P	P	P	P	P	P
14	18Q61A0414	Gogu Edukondal	P	P	P	P	P	P
15	18Q61A0415	Jambula Rakesh Reddy	A	P	P	P	P	P
16	18Q61A0416	K Nikitha	P	P	P	P	P	P
17	18Q61A0417	Kasireddy Nithish	P	P	P	P	P	P
18	18Q61A0418	Kasoju Shravya	P	P	P	P	P	P
19	18Q61A0419	Katkam Meghana	P	P	P	A	P	P
20	18Q61A0420	Katta Harmitha	P	P	P	P	P	P
21	18Q61A0421	M Ramesh	P	P	P	P	P	P
22	18Q61A0422	Maligireddy Keerthi	P	P	P	P	P	P
23	18Q61A0423	Mallikanti Sai Krishna	P	P	P	P	P	P
24	18Q61A0424	Mamidala Sreeja	A	P	P	P	P	P
25	20Q61D5701	Chanchala Babayshalini	P	P	P	P	P	P
26	20Q61D5702	Charishmmaa G	P	P	P	P	P	P
27	20Q61D5703	Chukka Navarathna	P	P	P	P	P	P
28	20Q61D5704	Gaddam Aravind	P	P	P	P	P	P
29	20Q61D5705	Ganganamoni Ilaiah	P	P	P	P	P	P
30	20Q61D5706	Jella Sudhakar	P	P	P	P	P	P
31	20Q61D5707	K Narasimha	P	P	P	P	P	P
32	20Q61D5708	Myana Vinay	P	P	P	P	P	P
33	20Q61D5709	Pyaram Navya	P	P	P	P	P	P
34	20Q61D5710	Singam Sai Kiran	P	P	P	P	P	P
35	20Q61D5711	Thamballa Pooja	P	P	P	P	P	P
36	20Q61D5712	Vemuganti Laxmi Prasanna	P	P	P	P	P	P

37	20Q61D5713	Vutukuri Pranay	P	P	A	P	P	P
38	20Q61D5714	Bhaskara Bhavani	P	P	P	P	P	P
39	20Q61D5715	Gundeboina Santhoshini	A	A	A	A	A	A
40	20Q61D5716	Kambampati Vamshinadh	P	P	P	P	P	P
41	20Q61D5717	Kethan Tingilkar	P	P	P	P	P	P
42	20Q61D5718	Murari Mounika	P	P	P	P	A	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO**

III B. Tech & I M.Tech-I SEM A.Y 2020-21 Date: 12-10-2021 to 17-10-2020

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0401	A Venkatesh	30	83.3
2	18Q61A0402	Arajula Revathi	36	100
3	18Q61A0403	Batthu Chandu	36	100
4	18Q61A0404	Bharatha Raviteja	36	100
5	18Q61A0405	Bobbala Deepa	36	100
6	18Q61A0406	Boddu Srinivas Reddy	36	100
7	18Q61A0407	Boga Keerthi	36	100
8	18Q61A0408	Chitla Prathyusha	36	100
9	18Q61A0409	Daresh Adarsh	36	100
10	18Q61A0410	Dekka Sai Kiran	36	100
11	18Q61A0411	Etikala Sai Charan Reddy	36	100
12	18Q61A0412	Gaddam Rahul Yadav	0	0
13	18Q61A0413	Gandla Ramya	36	100
14	18Q61A0414	Gogu Edukondal	36	100
15	18Q61A0415	Jambula Rakesh Reddy	30	83.3
16	18Q61A0416	K Nikitha	36	100
17	18Q61A0417	Kasireddy Nithish	36	100
18	18Q61A0418	Kasoju Shravya	36	100
19	18Q61A0419	Katkam Meghana	30	83.3
20	18Q61A0420	Katta Harmitha	36	100
21	18Q61A0421	M Ramesh	36	100
22	18Q61A0422	Maligireddy Keerthi	36	100
23	18Q61A0423	Mallikanti Sai Krishna	36	100
24	18Q61A0424	Mamidala Sreeja	30	83.3
25	20Q61D5701	Chanchala Babayshalini	36	100
26	20Q61D5702	Charishmmaa G	36	100
27	20Q61D5703	Chukka Navarathna	36	100
28	20Q61D5704	Gaddam Aravind	36	100
29	20Q61D5705	Ganganamoni Ilaiah	36	100
30	20Q61D5706	Jella Sudhakar	36	100
31	20Q61D5707	K Narasimha	36	100
32	20Q61D5708	Myana Vinay	36	100
33	20Q61D5709	Pyaram Navya	36	100

34	20Q61D5710	Singam Sai Kiran	36	100
35	20Q61D5711	Thamballa Pooja	36	100
36	20Q61D5712	Vemuganti Laxmi Prasanna	36	100
37	20Q61D5713	Vutukuri Pranay	30	83.3
38	20Q61D5714	Bhaskara Bhavani	36	100
39	20Q61D5715	Gundeboina Santhoshini	0	0
40	20Q61D5716	Kambampati Vamshinadh	36	100
41	20Q61D5717	Kethan Tingilkar	36	100
42	20Q61D5718	Murari Mounika	30	83.3

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 26-10-2020

PROGRAM REPORT

Name of the value added course: Design and implementation of Smart Home Appliance using Arduino
Day/Duration: 36 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.P.Sudhakar, Technical Trainer, Conscience Technologies
Name of the Coordinator: Mr. Saidi Reddy Assistant Professor
Number of the Participants: 40
Topics covered: The following topics covered in this program

- Arduino
- Arduino Architecture
- Operator
- Configurations
- Arrays, Functions

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Certification of Participation

THIS IS TO CERTIFY THAT MR./MS. **T.POOJA** BEARING REG.NO **20Q61D5711** IS PARTICIPATED IN **"DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO"** COURSE CONDUCTED AT THE **AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**, GUNTHAPALLY, ABDULLAPURMETTU, RANGAREDDY, IN ASSOCIATION WITH **'CONSCIENCE TECHNOLOGIES'** FROM **12/10/2020 TO 17/10/2020.**

Academic Director

CONSCIENCE TECHNOLOGIES

CO ORDINATOR

Avanthi Institute of Engineering & Technology
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Certification of Participation

THIS IS TO CERTIFY THAT MR./MS. **A.REVATHI** BEARING REG.NO **18Q61A0402** IS PARTICIPATED IN **"DESIGN AND IMPLEMENTATION OF SMART HOME APPLIANCES USING ARDUINO"** COURSE CONDUCTED AT THE **AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**, GUNTHAPALLY, ABDULLAPURMETTU, RANGAREDDY, IN ASSOCIATION WITH **'CONSCIENCE TECHNOLOGIES'** FROM **12/10/2020 TO 17/10/2020.**

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-2l/SEM/II/03 **Date: 23-03-2021**

CIRCULAR

This is to inform all the III B. Tech ECE students that, the Department organizing a Value Added Course on **"Basics of Sensors and Wearable Technology "**. Department Advisory Committee has been identified **Mr.K.Ramu.Assistant Professor** in Dept of ECE as a resource person for this course. This course is scheduled for 06 days which will take place from 29-03-2021 to 03-04-2021 in online mode through Google Meet.

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Copy to:

The principal, for kind information
IQAC
Notice Board
III B. Tech students
Dept. file

ABOUT THE COURSE

Wearable sensors are sensors that are directly attached to human skin or clothes for gathering biological signals with the purpose of personal healthcare. Flexible thin films of MNPs are deposited on the proper substrates for temperature and pressure control as the health signals.

COURSE OBJECTIVES

- **To provide the basic understanding of measurement and instrumentation systems and the insight of the resistive sensors and its applications in real life.**
- **To introduce the concept of the reactive sensors and self-generating sensors and its applications in real life.**
- **To familiarize the characteristics, working principle and application of special purpose transducers.**
- **To impart the importance of smart sensors, sensor interface standards for wearable device applications and to provide a brief overview of the wearable technology and its impact on social life.**

EXPECTED OUTCOMES

- **Gain the basic idea of measurements, characteristics and the errors associated with measurements.**
- **Demonstrate the concept of resistive sensors which can be employed for real life applications**
- **Realize the concept of reactive sensors employed for real life applications**
- **Understand the working principle of special purpose sensors and the need for developing smart sensors.**
- **Describe the taxonomy of the wearable devices and its design constraints for measuring physical and biological signals.**
- **Able to design and perform experiments on the sensors and develop the projects based on the customer needs.**

Resource Person
Mr. K.Ramu
Assistant Professor
Department of ECE

Co-ordinator
Mr.M.Saikrishna
Assistant Professor
Department of ECE

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Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibysi

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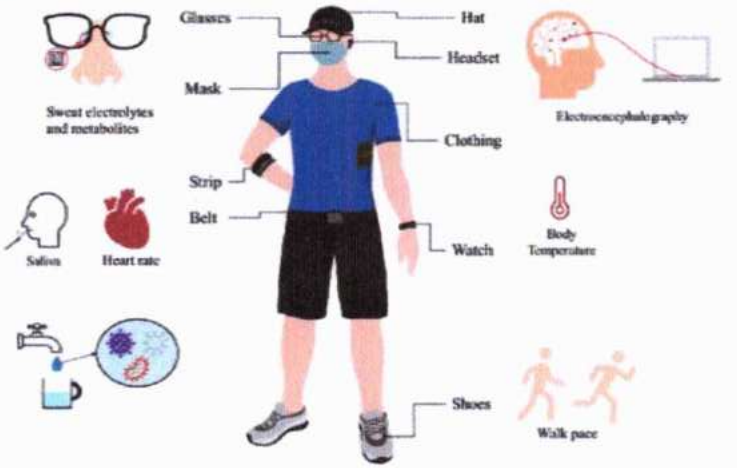

VALUE ADDED COURSE ON

"BASICS OF SENSORS AND WEARABLE TECHNOLOGY"

29th MAR to 11th MAY ,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **BASICS OF SENSORS AND WEARABLE TECHNOLOGY**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH III YEAR-II SEM

Course Objective:

- To provide the basic understanding of measurement and instrumentation systems and the insight of the resistive sensors and its applications in real life.
- To introduce the concept of the reactive sensors and self-generating sensors and its applications in real life.
- To familiarize the characteristics, working principle and application of special purpose transducers.
- To impart the importance of smart sensors, sensor interface standards for wearable device applications and to provide a brief overview of the wearable technology and its impact on social life.

Course Outcomes:

- Gain the basic idea of measurements, characteristics and the errors associated with measurements.
- Demonstrate the concept of resistive sensors which can be employed for real life applications
- Realize the concept of reactive sensors employed for real life applications
- Understand the working principle of special purpose sensors and the need for developing smart sensors.
- Describe the taxonomy of the wearable devices and its design constraints for measuring physical and biological signals.
- Able to design and perform experiments on the sensors and develop the projects based on the customer needs.

UNIT-I :Introduction to Measurements and Sensors : Functional Elements of a Measurement System and Instruments, Applications and Classification of Instruments, Types of measured Quantities, Measures of Dispersion, Sample deviation and sample mean, Units and standards, Calibration and errors . General concepts and terminology of Sensor systems, Transducers classification-sensors and actuators, General input-output configurations, Static and dynamic characteristics of measurement system.

UNIT-II: Resistive Sensors: Resistive sensors- Potentiometers, strain gages (piezo-resistive effect), resistive temperature detectors (RTD), thermostats, magneto resistors, light dependent resistor (LDR), resistive hygrometers, resistive gas sensors. Wearable applications: Strain sensor for monitoring Physiological signals, body movement.

UNIT-III :Reactive Sensors: Inductive sensors - variable reluctance sensors, Hall effect, Eddy current sensors, Linear variable differential transformers (LVDT), variable transformers, magneto-elastic, magneto-resistive, and magnetostrictive sensors. Capacitive sensors- variable capacitor, differential capacitor. Wearable applications: Body/textile antennas for wireless data transmission.

UNIT-IV: Smart Sensors and Applications: Integrated and Smart sensors, IEEE 1451 standard & Transducer Electronic Datasheets (TEDs), Overview of various smart sensors: Digital temperature sensor (DS1621, TMP36GZ), Humidity sensor (DHT11, DHT22, FC28), IR sensor (FC51), Gas sensor (MQ2, MQ8), Pressure sensors (BMP180), Accelerometers (ADXL335), etc; Structural health monitoring sensors, Introduction to MEM Sand Flexible sensors.

UNIT-V: Scope of Wearable Devices: Role of Wearable's, Attributes of Wearable's, The Meta Wearable's – Textiles and clothing, Social Aspects: Interpretation of Aesthetics, Adoption of Innovation, On-Body Interaction; Case Study: Google Glass, health monitoring, Wearable's: Challenges and Opportunities, Future and Research Roadmap

TEXT BOOKS:

1. B. C. Nakra, K.K. Choudhury, "Instrumentation, Measurement and Analysis" -3 rd Edition, Tata McGraw, 2009
2. Jacob Fraden, "Hand Book of Modern Sensors: physics, Designs and Applications", 3rd ed., Springer, 2010.
3. Edward Sazonov, Michael R Neuman, "Wearable Sensors: Fundamentals, Implementation and Applications" Elsevier, 2014

REFERENCE BOOKS:

1. A.K. Swanky, "Electrical and Electronic Measurements and Instrumentation", DhanpatRai.
2. Er. R.K. Rajput, "Electronic Measurements and Instrumentation", S. Chand & Company Ltd. 3 rd Edition.
3. Bentley, John P., "Principles of Measurement Systems", 4thedition, Pearson/Prentice Hall, 2005.
4. Jon. S. Wilson, "Sensor Technology Hand Book", Elsevier Inc., 2005.
5. Subhas C. Mukhopadhyay, "Wearable Electronics Sensors-For Safe and Healthy Living", Springer International Publishing, 2015.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **BASICS OF SENSORS AND WEARABLE TECHNOLOGY**

ACADEMIC YEAR: 2020-2021 **Date: 23-03-2021**

B.TECH III YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
29-03-2021	Functional Elements of a Measurement System and Instruments, Applications and Classification of Instruments	10:00 am to 04:00 pm	5 hour
30-03-2021	Resistive sensors- Potentiometers, strain gages (piezo-resistive effect), resistive temperature detectors (RTD)	10:00 am to 04:00 pm	5 hour
31-03-2021	Inductive sensors - variable reluctance sensors, Hall effect, Eddy current sensors, Linear variable differential transformers	10:00 am to 04:00 pm	5 hour
01-04-2021	Integrated and Smart sensors, IEEE 1451 standard & Transducer Electronic Datasheets (TEDs), Overview of various smart sensors	10:00 am to 04:00 pm	5 hour
02-04-2021	Role of Wearable's, Attributes of Wearable's, The Meta Wearable's – Textiles	10:00 am to 04:00 pm	5 hour
03-04-2021	and clothing, Social Aspects: Interpretation of Aesthetics, Adoption of Innovation, On-Body Interaction	10:00 am to 04:00 pm	5 hour
			Total – 30 Hours

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **BASICS OF SENSORS AND WEARABLE TECHNOLOGY**

III YEAR II–SEM **Enrolled Students List** **Date: 29-03-2021 to 03-04-2021**

S.No	Roll Number	Name of The Student
1	18Q61A0425	Manda Kalyan Reddy
2	18Q61A0426	Manikari Bharath
3	18Q61A0427	Maram Ashok Reddy
4	18Q61A0428	Marvathu Sai Rohith
5	18Q61A0429	Masanam Venukumar
6	18Q61A0430	Miryala Pavani
7	18Q61A0431	Neerati Sai Manoj
8	18Q61A0432	Perumalla Manisai
9	18Q61A0433	Polaka Srija
10	18Q61A0434	Seelam Upendra Reddy
11	18Q61A0435	Sindi Nikhil
12	18Q61A0436	Tadivaka Pavan Teja
13	18Q61A0437	Teegala Sai Kumar
14	18Q61A0438	Thellakula Mahesh
15	18Q61A0439	Thota Bhavana
16	18Q61A0440	Thummala Pradeep Reddy
17	18Q61A0441	Velga Shashidar Reddy
18	18Q61A0442	Yanala Prasanna
19	18Q61A0443	Yellu Dinesh Reddy
20	18Q61A0444	Anthanolla Kupender Reddy
21	18Q61A0445	Bandamidi Pradeep
22	18Q61A0446	Bhupani Venkata Sai Krishna
23	18Q61A0447	Bommireddy Nikhil Vardhan
24	18Q61A0448	Boppa Madhu
25	18Q61A0449	Challagundla Sravya
26	18Q61A0450	Chellingi Durga Saiteja
27	18Q61A0451	Chennu Pavani
28	18Q61A0452	Chintapalli Ramyasri
29	18Q61A0453	Cholloti Akanksha
30	18Q61A0454	Gopagoni Bharath
31	18Q61A0455	Gandhe Pravin
32	18Q61A0456	Jinkala Anil Kumar Reddy
33	18Q61A0457	Kande Akhil Sai

34	18Q61A0458	Karanam Divya Bhanu
35	18Q61A0459	Voruganti Shravani
36	18Q61A0460	Kolanu Ajaykumar
37	18Q61A0461	Mainampati Meghana Reddy
38	18Q61A0462	Nimmala Rohith Reddy
39	18Q61A0463	Pidugu Vivek
40	18Q61A0464	Poloju Shiva Kumar
41	18Q61A0465	Sama Saireddy
42	19Q65A0401	Balabhadra Sukanya

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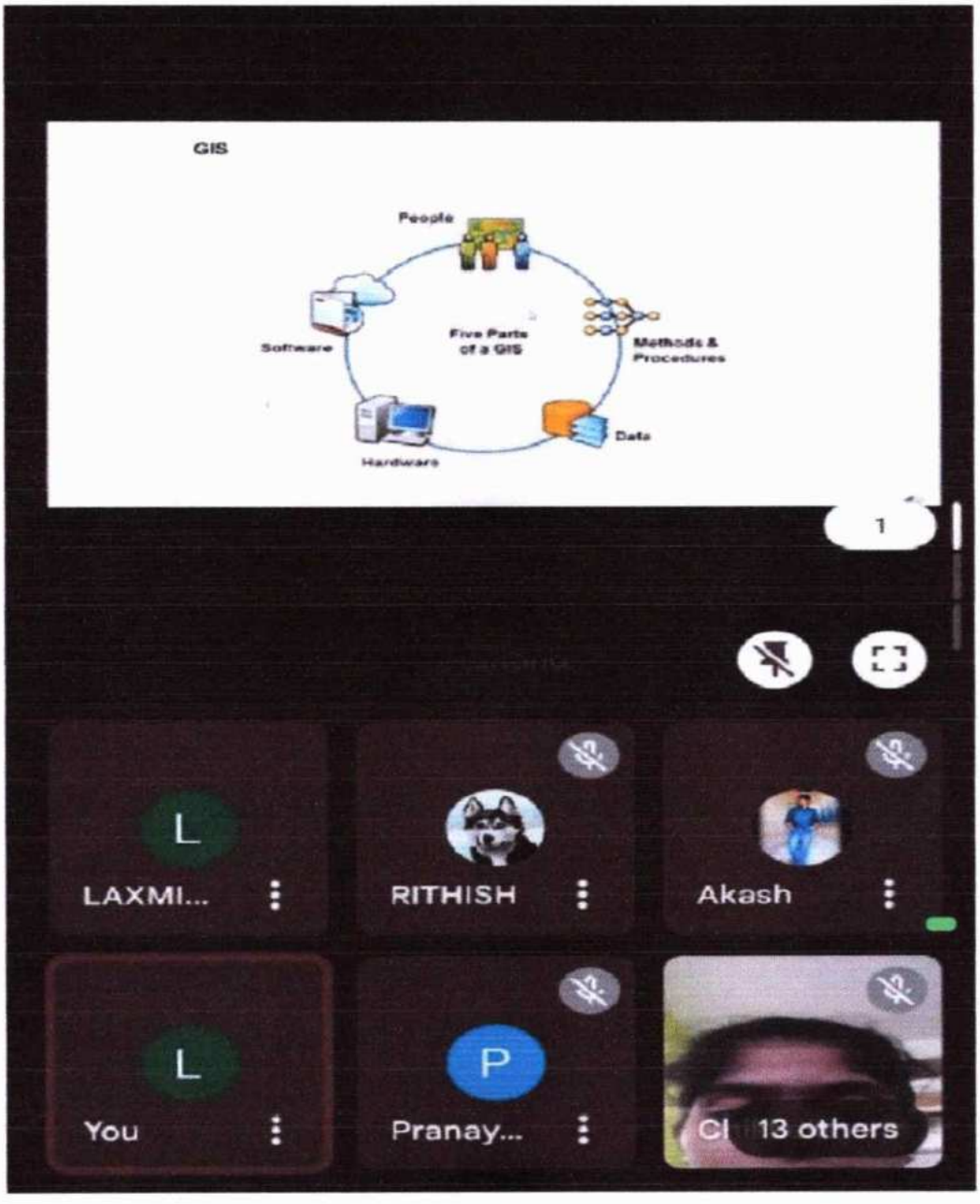

The students of III year B.Tech certificate program attending "Basics of Sensors and Wearable Technology" by Mr. K.Ramu Assistant Professor.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **BASICS OF SENSORS AND WEARABLE TECHNOLOGY**

III YEAR II–SEM **A.Y 2020-2021** **Date: 23-03-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	29.03.21	30.03.21	31.03.21	01.04.21	02.04.21	03.4.21
1	18Q61A0425	Manda Kalyan Reddy	A	P	P	P	P	P
2	18Q61A0426	Manikari Bharath	P	P	P	P	P	P
3	18Q61A0427	Maram Ashok Reddy	P	P	P	P	P	P
4	18Q61A0428	Marvathu Sai Rohith	P	P	P	P	P	P
5	18Q61A0429	Masanam Venukumar	P	P	P	P	P	P
6	18Q61A0430	Miryala Pavani	P	P	P	P	P	P
7	18Q61A0431	Neerati Sai Manoj	A	A	A	A	A	A
8	18Q61A0432	Perumalla Manisai	P	P	P	P	P	P
9	18Q61A0433	Polaka Srija	P	P	A	P	P	P
10	18Q61A0434	Seelam Upendra Reddy	P	P	P	P	P	P
11	18Q61A0435	Sindi Nikhil	P	P	P	P	P	P
12	18Q61A0436	Tadivaka Pavan Teja	P	P	P	P	P	P
13	18Q61A0437	Teegala Sai Kumar	P	P	P	P	P	P
14	18Q61A0438	Thellakula Mahesh	P	P	P	P	P	P
15	18Q61A0439	Thota Bhavana	P	P	P	P	P	P
16	18Q61A0440	Thummala Pradeep Reddy	P	P	P	P	P	P
17	18Q61A0441	Velga Shashidar Reddy	A	A	A	A	A	A
18	18Q61A0442	Yanala Prasanna	P	P	P	P	P	P
19	18Q61A0443	Yellu Dinesh Reddy	A	P	P	P	P	P
20	18Q61A0444	Anthanolla Kupender Reddy	P	P	P	P	P	P
21	18Q61A0445	Bandamidi Pradeep	P	P	P	P	P	P
22	18Q61A0446	Bhupani Venkata Sai Krishna	P	P	P	P	P	P
23	18Q61A0447	Bommireddy Nikhil Vardhan	P	P	P	P	P	P
24	18Q61A0448	Boppa Madhu	P	P	P	P	P	P
25	18Q61A0449	Challagundla Sravya	P	P	P	P	P	P
26	18Q61A0450	Chellingi Durga Saiteja	A	A	A	A	A	A
27	18Q61A0451	Chennu Pavani	P	P	P	P	P	P
28	18Q61A0452	Chintapalli Ramyasri	P	P	P	A	P	P
29	18Q61A0453	Cholloti Akanksha	P	P	P	P	P	P
30	18Q61A0454	Gopagoni Bharath	P	P	P	P	P	P
31	18Q61A0455	Gandhe Pravin	P	P	P	P	P	P
32	18Q61A0456	Jinkala Anil Kumar Reddy	P	P	P	P	P	P
33	18Q61A0457	Kande Akhil Sai	P	P	P	P	P	P
34	18Q61A0458	Karanam Divya Bhanu	P	P	P	P	P	P
35	18Q61A0459	Voruganti Shravani	P	P	P	P	P	P

36	18Q61A0460	Kolanu Ajaykumar	P	A	P	P	P	P
37	18Q61A0461	Mainampati Meghana Reddy	P	P	P	P	P	P
38	18Q61A0462	Nimmala Rohith Reddy	P	P	P	P	P	P
39	18Q61A0463	Pidugu Vivek	P	P	P	P	P	P
40	18Q61A0464	Poloju Shiva Kumar	A	A	A	A	A	A
41	18Q61A0465	Sama Saireddy	P	P	P	P	P	P
42	19Q65A0401	Balabhadra Sukanya	P	P	P	P	P	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **BASICS OF SENSORS AND WEARABLE TECHNOLOGY**

III YEAR II–SEM **A.Y 2020-21** **Date: 29-03-2021 to 03-04-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0425	Manda Kalyan Reddy	25	83.3
2	18Q61A0426	Manikari Bharath	30	100
3	18Q61A0427	Maram Ashok Reddy	30	100
4	18Q61A0428	Marvathu Sai Rohith	30	100
5	18Q61A0429	Masanam Venukumar	30	100
6	18Q61A0430	Miryala Pavani	30	100
7	18Q61A0431	Neerati Sai Manoj	0	0
8	18Q61A0432	Perumalla Manisai	30	100
9	18Q61A0433	Polaka Srija	25	83.3
10	18Q61A0434	Seelam Upendra Reddy	30	100
11	18Q61A0435	Sindi Nikhil	30	100
12	18Q61A0436	Tadivaka Pavan Teja	30	100
13	18Q61A0437	Teegala Sai Kumar	30	100
14	18Q61A0438	Thellakula Mahesh	30	100
15	18Q61A0439	Thota Bhavana	30	100
16	18Q61A0440	Thummala Pradeep Reddy	30	100
17	18Q61A0441	Velga Shashidar Reddy	0	0
18	18Q61A0442	Yanala Prasanna	30	100
19	18Q61A0443	Yellu Dinesh Reddy	25	83.3
20	18Q61A0444	Anthanolla Kupender Reddy	30	100
21	18Q61A0445	Bandamidi Pradeep	30	100
22	18Q61A0446	Bhupani Venkata Sai Krishna	30	100
23	18Q61A0447	Bommireddy Nikhil Vardhan	30	100
24	18Q61A0448	Boppa Madhu	30	100
25	18Q61A0449	Challagundla Sravya	30	100
26	18Q61A0450	Chellingi Durga Saiteja	0	0
27	18Q61A0451	Chennu Pavani	30	100
28	18Q61A0452	Chintapalli Ramyasri	25	83.3
29	18Q61A0453	Cholloti Akanksha	30	100
30	18Q61A0454	Gopagoni Bharath	30	100
31	18Q61A0455	Gandhe Pravin	30	100
32	18Q61A0456	Jinkala Anil Kumar Reddy	30	100

33	18Q61A0457	Kande Akhil Sai	30	100
34	18Q61A0458	Karanam Divya Bhanu	30	100
35	18Q61A0459	Voruganti Shravani	30	100
36	18Q61A0460	Kolanu Ajaykumar	25	83.3
37	18Q61A0461	Mainampati Meghana Reddy	30	100
38	18Q61A0462	Nimmala Rohith Reddy	30	100
39	18Q61A0463	Pidugu Vivek	30	100
40	18Q61A0464	Poloju Shiva Kumar	0	0
41	18Q61A0465	Sama Saireddy	30	100
42	19Q65A0401	Balabhadra Sukanya	30	100

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 13-04-2021

PROGRAM REPORT

Name of the value added course: Basics of Sensors and Wearable Technology
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr. K.Ramu Assistant Professor
Name of the Coordinator: Mr.M.Saikrishna Assistant Professor
Number of the Participants: 38
Topics covered: The following topics covered in this program

- Measurements and Sensors
- Resistive Sensors
- Reactive Sensors
- Smart Sensors and Applications
- Scope of Wearable Devices

CO-ORDINATOR
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

HOD
Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy District.

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

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www.aietg.ac.in email: principal.avanthi@gmail.com

Department of Electronics and Communication Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **V.SHRAVANI** Bearing roll number **18Q61A0459** from the department of **ECE** completed the value added course on **"BASIC SENSORS AND WEARABLE TECHNOLOGY"** During the year **2020-21**.

Head of The Department

Co-Ordinator
CO ORDINATOR
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Ranga Reddy Dist. Telangana

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www.aietg.ac.in email: principal.avanthi@gmail.com

Department of Electronics and Communication Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **M.BHARATH** Bearing roll number **18Q61A0426** from the department of **ECE** completed the value added course on **"BASIC SENSORS AND WEARABLE TECHNOLOGY"** During the year **2020-21**.

Head of The Department

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy District.

Co-Ordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-2l/SEM/II/01 **Date: 27-01-2021**

CIRCULAR

This is to inform all the II B. Tech ECE students that, the Department organizing an Value Added Course on "**MAT LAB** "This course is scheduled for 05 days which will take place from 01-02-2021 to 05-02-2021 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.T.Kranthi Kumar with Maha electronics.

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Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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Notice Board
II B. Tech students
Dept. file

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ECE,CSE&EEE UG Programmes are Accredited by NBA
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ACCREDITED WITH GRADE B++ NAAC

COURSE

ich stands for MATrix LABoratory, is a high-level programming
d interactive environment developed by MathWorks. It's used
l computation, visualization, and programming
of the course, you should be able to use MATLAB for problem-
cience and engineering, where mathematical expressions are
ively. You should also be able to create your own scripts and
automate your work.

ECTIVES

ding the MATLAB environment
to do simple calculations using MATLAB.
to carry out simple numerical computations and analyses using

UTCOMES

use MATLAB for interactive computations.
y with memory and file management in MATLAB.
generate plots and export them for use in reports and
ions.
program scripts and functions using the MATLAB development
ent.
use basic flow controls (if-else, for, while)
y with strings and matrices and their use

e Person	Co-ordinator
thi Kumar	Mrs.O.Mounika
t Expert	Assistant Professor
ectronics	Department of ECE

e instructed to register the given below link:
.google.com/forms/d/e/1FAlp@L SfaheatmlK6gqSCGCE4
CF6ONOUD7J3hGN8CEmWLg/viewform

et Link: https://meet.google.com/vat-xvoh-kklmdrt

tarts from 01-02- 2021 to 05-02-2021 10 AM TO 4 PM



VALUE ADDED COURSE ON

"MAT LAB"

1st FEB TO 05th FEB 2021

DURATION OF THE COURSE 30HRS

PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

ORGANIZED BY :

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **MAT LAB**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 27-01-2021 to 05-02-2021

S.No	Roll Number	Name of The Student
1	19Q61A0439	Palvai Vigneshwar Reddy
2	19Q61A0440	Peesu Alekya
3	19Q61A0441	Pinnapureddy Mythli Reddy
4	19Q61A0442	Rangineni Gopi
5	19Q61A0443	Shivannagari Venkat Reddy
6	19Q61A0444	Siddiraju Sai Kalyan Teja
7	19Q61A0445	Ushkagula Manohar
8	19Q61A0446	Vangala Chithra Reddy
9	19Q61A0447	Veeramalla Sandeep Kumar
10	19Q61A0448	Veluvali Satya Madhunika
11	19Q61A0449	Vilasagaram Gopikrishna
12	19Q61A0450	Vittamsetti Praveen Kumar
13	19Q61A0451	Y Bheem Shanker
14	19Q61A0452	Yadarapu Manisha
15	19Q61A0453	Adhhikari Pandu Siva Sai Manikanta
16	19Q61A0454	Alle Kesari Vijendra Simha
17	19Q61A0455	Ara Saipriya
18	19Q61A0456	Avuluri Venugopal Reddy
19	19Q61A0457	Bandaruu Raju
20	19Q61A0458	Bheemanaboina Saikirann
21	19Q61A0459	Devesh Agarwal
22	19Q61A0460	Guda Rahul
23	19Q61A0461	Guduri Prashanth Kumar
24	19Q61A0462	Jujuva Rajjath Kumar
25	19Q61A0463	K Srikanth
26	19Q61A0464	Karnati Upender Reddy
27	19Q61A0465	Kavali Dinesh Kumar
28	19Q61A0466	Kondoju Ankitha
29	19Q61A0467	Korpuri Arun Kumar
30	19Q61A0468	Kudikala Swapna
31	19Q61A0469	Mamindla Karthik
32	19Q61A0470	Medicherla Venkata Siva Bhanu Gopal
33	19Q61A0471	Mohammed Khaleel

34	19Q61A0472	Mote Vamshi Krishna
35	19Q61A0473	Mulakala Nireesha
36	19Q61A0474	Mulinti Mounika
37	19Q61A0475	Punna Srija
38	19Q61A0476	Syed Imran

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **MAT LA**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-2021

B.TECH II YEAR –II SEM

Course objectives:

1 Understanding the MATLAB environment
2 Being able to do simple calculations using MATLAB.
3 Being able to carry out simple numerical computations and analyses using MATLAB.

Module 1: MATLAB basics-The MATLAB environment, Basic computer programming, Variables and constants, operators and simple calculations - Formulas and functions, MATLAB toolboxes

Module 2: Matrices and vectors-Matrix and linear algebra review, Vectors and matrices in MATLAB, Matrix operations and functions in MATLAB

Module 3: Computer programming-Algorithms and Structures, MATLAB scripts and functions (m-files), Simple sequential algorithms, Control structures (if…then, loops)

MATLAB programming-- Reading and writing data, file handling, personalized functions, Toolbox structure, MATLAB graphic functions

Module 4: Numerical simulations-Numerical methods and simulations - Random number generation - Montecarlo methods

Module 5: Hands-on session-Interactive hands-on-session where the whole class will develop one or more MATLAB scripts that solve an assigned problem

TEXT BOOKS:

1. Brian R. Hunt, University of Maryland at College Park
2. Ronald L. Lipsman, University of Maryland at College Park
3. Jonathan M. Rosenberg, University of Maryland at College Park

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Head of the Department
Electronics & Communication Engineering
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **MAT LAB**

ACADEMIC YEAR: 2020-2021 **Date: 27-01-2021**

B.TECH II YEAR –II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	**MATLAB basics-**The MATLAB environment, Basic computer programming, Variables and constants, operators and simple calculations - Formulas and functions, MATLAB toolboxes	09:30 am to 04:00 pm	6 hour
02-02-2021	**Matrices and vectors-**Matrix and linear algebra review, Vectors and matrices in MATLAB, Matrix operations and functions in MATLAB	09:30 am to 04:00 pm	6 hour
03-02-2021	**Computer programming-**Algorithms and Structures, MATLAB scripts and functions (m-files), Simple sequential algorithms, Control structures (if…then, loops)	09:30 am to 04:00 pm	6 hour
04-02-2021	**Numerical simulations-**Numerical methods and simulations - Random number generation - Montecarlo methods **MATLAB programming--** Reading and writing data, file handling, Personalized functions, Toolbox structure, MATLAB graphic functions	09:30 am to 04:00 pm	6 hour
05-02-2021	**Hands-on session-**Interactive hands-on-session where the whole class will develop one or more MATLAB scripts that solve an assigned problem	09:30 am to 04:00 pm	6 hour
			Total – 30 Hours

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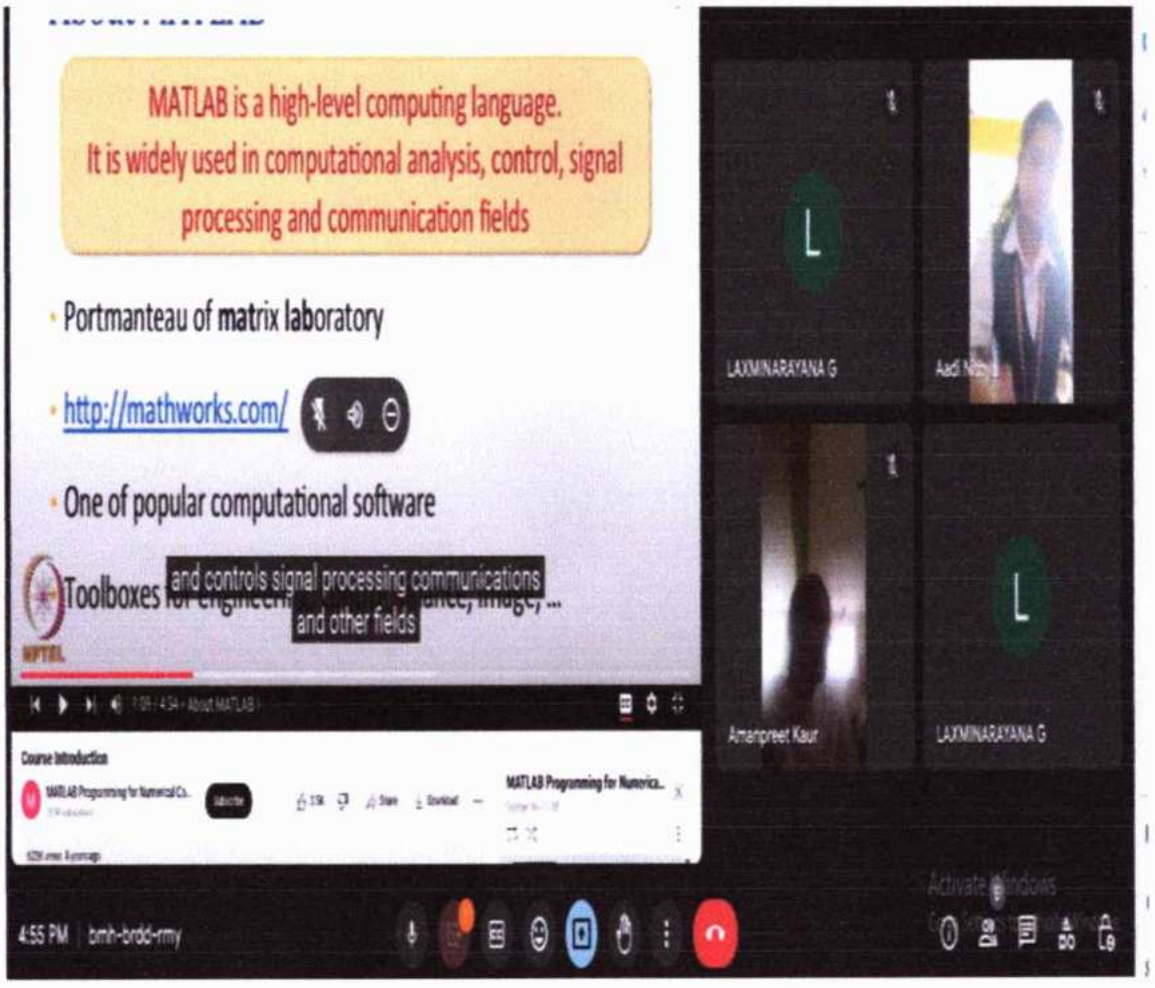
HOD
Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.



The students of II year B.Tech certificate program attending "MAT LAB" by Mr.T.Kranthi Kumar from Maha electronics.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **MAT LAB**

II YEAR II–SEM **A.Y 2020-2021** **Date: 27-01-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21
1	19Q61A0439	Palvai Vigneshwar Reddy	A	P	P	P	P
2	19Q61A0440	Peesu Alekya	P	P	P	P	P
3	19Q61A0441	Pinnapureddy Mythli Reddy	P	P	P	P	P
4	19Q61A0442	Rangineni Gopi	P	P	P	P	P
5	19Q61A0443	Shivannagari Venkat Reddy	P	P	P	P	P
6	19Q61A0444	Siddiraju Sai Kalyan Teja	A	A	A	A	A
7	19Q61A0445	Ushkagula Manohar	P	P	P	P	P
8	19Q61A0446	Vangala Chithra Reddy	P	P	P	P	P
9	19Q61A0447	Veeramalla Sandeep Kumar	P	P	P	A	P
10	19Q61A0448	Veluvali Satya Madhunika	P	P	P	P	P
11	19Q61A0449	Vilasagaram Gopikrishna	P	P	P	P	P
12	19Q61A0450	Vittamsetti Praveen Kumar	P	P	P	P	P
13	19Q61A0451	Y Bheem Shanker	P	P	P	P	P
14	19Q61A0452	Yadarapu Manisha	P	P	P	P	P
15	19Q61A0453	Adhhikari Pandu Siva Sai Manikanta	P	P	P	P	P
16	19Q61A0454	Alle Kesari Vijendra Simha	A	A	A	A	A
17	19Q61A0455	Ara Saipriya	P	P	P	P	P
18	19Q61A0456	Avuluri Venugopal Reddy	A	P	P	P	P
19	19Q61A0457	Bandaruu Raju	P	P	P	P	P
20	19Q61A0458	Bheemanaboina Saikirann	P	P	P	P	P
21	19Q61A0459	Devesh Agarwal	P	P	P	P	P
22	19Q61A0460	Guda Rahul	P	P	P	P	P
23	19Q61A0461	Guduri Prashanth Kumar	P	P	P	P	P
24	19Q61A0462	Jujuva Rajjath Kumar	P	P	P	P	P
25	19Q61A0463	K Srikanth	A	A	A	A	A
26	19Q61A0464	Karnati Upender Reddy	P	P	P	P	P
27	19Q61A0465	Kavali Dinesh Kumar	P	P	P	P	P
28	19Q61A0466	Kondoju Ankitha	P	P	P	P	P
29	19Q61A0467	Korpuri Arun Kumar	P	P	P	P	P
30	19Q61A0468	Kudikala Swapna	P	P	P	P	P
31	19Q61A0469	Mamindla Karthik	P	P	P	P	P

32	19Q61A0470	Medicherla Venkata Siva Bhanu Gopal	P	P	P	P	P
33	19Q61A0471	Mohammed Khaleel	A	P	P	P	P
34	19Q61A0472	Mote Vamshi Krishna	P	P	P	P	P
35	19Q61A0473	Mulakala Nireesha	P	P	A	P	P
36	19Q61A0474	Mulinti Mounika	P	P	P	P	P
37	19Q61A0475	Punna Srija	P	P	P	P	P
38	19Q61A0476	Syed Imran	P	P	P	P	P

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Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **MAT LAB**

II YEAR II–SEM **A.Y 2020-21** **Date: 27-01-2021 to 05-02-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0439	Palvai Vigneshwar Reddy	25	83.3
2	19Q61A0440	Peesu Alekya	30	100
3	19Q61A0441	Pinnapureddy Mythli Reddy	30	100
4	19Q61A0442	Rangineni Gopi	30	100
5	19Q61A0443	Shivannagari Venkat Reddy	30	100
6	19Q61A0444	Siddiraju Sai Kalyan Teja	0	0
7	19Q61A0445	Ushkagula Manohar	30	100
8	19Q61A0446	Vangala Chithra Reddy	30	100
9	19Q61A0447	Veeramalla Sandeep Kumar	30	100
10	19Q61A0448	Veluvali Satya Madhunika	30	100
11	19Q61A0449	Vilasagaram Gopikrishna	30	100
12	19Q61A0450	Vittamsetti Praveen Kumar	30	100
13	19Q61A0451	Y Bheem Shanker	30	100
14	19Q61A0452	Yadarapu Manisha	30	100
15	19Q61A0453	Adhhikari Pandu Siva Sai Manikanta	30	100
16	19Q61A0454	Alle Kesari Vijendra Simha	0	0
17	19Q61A0455	Ara Saipriya	30	100
18	19Q61A0456	Avuluri Venugopal Reddy	25	83.3
19	19Q61A0457	Bandaruu Raju	30	100
20	19Q61A0458	Bheemanaboina Saikirann	30	100
21	19Q61A0459	Devesh Agarwal	30	100
22	19Q61A0460	Guda Rahul	30	100
23	19Q61A0461	Guduri Prashanth Kumar	30	100
24	19Q61A0462	Jujuva Rajjath Kumar	30	100
25	19Q61A0463	K Srikanth	0	0
26	19Q61A0464	Karnati Upender Reddy	30	100
27	19Q61A0465	Kavali Dinesh Kumar	30	100
28	19Q61A0466	Kondoju Ankitha	30	100
29	19Q61A0467	Korpuri Arun Kumar	30	100
30	19Q61A0468	Kudikala Swapna	30	100
31	19Q61A0469	Mamindla Karthik	30	100
32	19Q61A0470	Medicherla Venkata Siva Bhanu Gopal	30	100

33	19Q61A0471	Mohammed Khaleel	25	83.3
34	19Q61A0472	Mote Vamshi Krishna	30	100
35	19Q61A0473	Mulakala Nireesha	25	83.3
36	19Q61A0474	Mulinti Mounika	30	100
37	19Q61A0475	Punna Srija	30	100
38	19Q61A0476	Syed Imran	30	100

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 08-02-2021

PROGRAM REPORT

Name of the value added course: MATLAB
Day/Duration: 30 Hours
Time: 09:30 am to 04:00 pm
Resource Person: Mr.T.Kranthi Kumar, Subject Expert, Maha electronics.
Name of the Coordinator: Mrs.O.Mounika. Assistant Professor
Number of the Participants: 35
Topics covered: The following topics covered in this program

- The MATLAB environment, Basic computer programming, Variables and constants, operators and simple calculations - Formulas and functions, MATLAB toolboxes
- Matrix and linear algebra review, Vectors and matrices in MATLAB, Matrix operations and functions in MATLAB
- Algorithms and Structures, MATLAB scripts and functions (m-files), Simple sequential algorithms, Control structures (if…then, loops).
- Numerical methods and simulations - Random number generation - Montecarlo methods. Reading and writing data, file handling, Personalized functions, Toolbox structure, MATLAB graphic functions
- Interactive hands-on-session where the whole class will develop one or more MATLAB scripts that solve an assigned problem.

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Head of the Department
Electronics & Communication Engineer
Avanthi Institute of Engineering & Technol
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Ranga Reddy District.

Maha Electronics Pvt. Ltd.
(An ISO 9001-2008 Certified)
#5-9-13, Room No. 515, 5th Floor
Taramandal Complex, Saifabad
Hyderabad - 500 004
Phone : 040-30177416, 30177400

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **K.SWAPNA** Bearing Reg.No **19Q61A0468** is participated in **"MAT LAB"** course conducted at the **Avanthi Institute of Engineering & Technology**,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **'Maha Electronics Pvt.Ltd'** from **01/02/2021 to 05/02/2021**.

For **MAHA ELECTRONICS**

Authorized Signatory

CO-ORDINATOR
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
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Maha Electronics Pvt. Ltd.
(An ISO 9001-2008 Certified)
Maha Electronics #5-9-13, Room No. 515, 5th Floor
Taramandal Complex, Saifabad
Hyderabad - 500 004
Phone : 040-30177416, 30177400

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **P.ALEKYA** Bearing Reg.No **19Q61A0440** is participated in **"MAT LAB"** course conducted at the **Avanthi Institute of Engineering & Technology**,Gunthapally,Abdullapurmettu,Rangareddy, in Association with **'Maha Electronics Pvt.Ltd'** from **01/02/2021 to 05/02/2021**.

For MAHA ELECTRONICS

Authorized Signatory

CO ORDINATOR
Avanthi Institute of Engineering & Technology,
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-2l/SEM/II/02 **Date: 10-03-2021**

CIRCULAR

This is to inform all the II B. Tech ECE students that, the Department organizing a Value Added Course on "**Design and prototyping of Printed Circuit Board**". This course is scheduled for 06 days which will take place from 15-03-2021 to 20-03-2021 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.J.Kiran with Physitech electronics.

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Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
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Ranga Reddy District.

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Copy to:

The principal, for kind information
IQAC
Notice Board
II B. Tech ECE students
Dept. file

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INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

ACCREDITED WITH GRADE B++ NAAC

VALUE ADDED COURSE ON

"DESIGN AND PROTO TYPING OF PRINTED CIRCUIT BOARDS"



15th MARCH TO 20th MAY, 2021

DURATION OF THE COURSE 30 HRS

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT THE COURSE

Printed circuit board (PCB) is a highly reliable and durable physical circuit design that has become an essential component of any electronic device. Printed circuit boards are made of a very thin substrate board embedded with electronic components interconnected using thin-layer of copper interconnecting traces. The board substrate is usually made of fiberglass composite epoxy substrate or other laminate materials. The circuit will contain both active and passive components. With more advanced and smaller component availability it is possible to accommodate a very large and complex circuit in a small PCB Design

COURSE OBJECTIVES

his course will teach teams of students how to design and fabricate PCB for prototyping as well as in an Industrial Production environment. This will help students to innovate faster with electronics technology dents will design their own PCB for a simple product of their choice, build simple prototypes of their design, and document their PCB design and prototyping. To stimulate PCB design concepts guest lectures will be invited to present a range of design challenges. Challenge areas will include consumer products and the needs of the developing world. sustainability, and other users of non-profit organization services.

EXPECTED OUTCOMES

The students will be able to understand a single layer and multilayer PCB. To create and fabricate a PCB and Evaluate and test a PCB. To learn advantages and disadvantages of PCB

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Resource Person
Mr.J.Kiran
Technical Trainer
Physitech Electronics

Co-ordinator
Mr.M.Vinaykumar
Assistant Professor
Department of ECE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIEX2ADId2pyg/viewform

Class starts from 15-03-2021 to 20-03-2021 10AM-4 PM

Google Meet Link: https://meet.google.com/vat-xvoh-ksi

LAST DATE FOR REGISTRATION: 25th MARCH, 2021



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND PROTOTYPING OF PRINTED CIRCUIT BOARD**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH II YEAR-II SEM

Course Objective:

- To design and fabricate PCB for prototyping as well as in an Industrial Production environment.
- To understand a single layer and multilayer of PCB
- To stimulate PCB design concepts and to present a range of design challenges.
- To analyze the challenge areas will include consumer product and the needs of developing word, sustainability, and other users of non-profit organization services.
- To learn PCB Mass Manufacturing Process

UNIT-I

Introduction Need for PCB, Types of PCBs: Single and Multilayer, Technology: Plated Through Hole, Surface Mount, PCB Material, Electronic Component packaging, PCB Designing Fabrication, Production, Electronic Design Automation Tools, and Proprietary tools like Eagle, Ultiboard, Oracad and Open source tools like Kicad, Design issues: Transmission line , Cross talk and Thermal management.

UNIT-II

PCB Design Introduction to Kicad , Schematic entry / drawing nest listing laying component foot print library selection & Designing ,design rules.

UNIT-III

Component placing: Manual & automatic, track routing automatic & automatic, Rules: track length angle, joint & size, Auto router setup, IPC standards for schematic, designing material and documentation.

UNIT-IV

PCB Prototyping and Production PCB Prototyping: CNC Machine, Photo- Lithography process, Screen Printing process and chemical etching.

UNIT-V

PCB Mass Manufacturing Process : Gerber Generation, CAM, penalization, cleaning, drilling, plating, screen print automated optical inspection, tinning solder resist, legend printing, PCB testing.

REFERENCE BOOKS:

1. Jon Varteresian Printed Circuit Boards, Newnes,2002
2. R.Tummala, Fundamentals of Microsystems Packing McGraw-Hill 2001
3. Mark Madou,Fundamentals of Micro fabrication, CRC Press, ISBN :0-8493-9451-1
4. Elaine Rhodes Developing Print Circuit Assemblies: From Specifications to Mass Production

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Ranga Reddy Dist. Telangana.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND PROTOTYPING OF PRINTED CIRCUIT BOARD**

ACADEMIC YEAR: 2020-2021 **Date: 10-03-2021**

B.TECH II YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
15-03-2021	Introduction Need for PCB, Types of PCBs: Single and Multilayer, Technology	10:00 am to 04:00 pm	5 hour
16-03-2021	PCB Design Introduction to Kicad , Schematic entry / drawing nest listing laying	10:00 am to 04:00 pm	5 hour
17-03-2021	Component placing: Manual & automatic, track routing automatic & automatic	10:00 am to 04:00 pm	5 hour
18-03-2021	PCB Prototyping and Production PCB Prototyping: CNC Machine, Photo-Lithography process, Screen Printing process and chemical etching	10:00 am to 04:00 pm	5 hour
19-03-2021	PCB Mass Manufacturing Process : Gerber Generation, CAM, penalization, cleaning, drilling, plating, screen print	10:00 am to 04:00 pm	5 hour
20-03-2021	Automated optical inspection, tinning solder resist, legend printing, PCB testing.	10:00 am to 04:00 pm	5 hour
			Total – 30 hours

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND PROTOTYPING OF PRINTED CIRCUIT BOARD**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 15-03-2021 to 20-03-2021

S.No	Roll Number	Name of The Student
1	19Q61A0477	Venreddy Rashmitha
2	19Q61A0478	Jakkidi Madhuri
3	19Q61A0479	Balamisu Divya
4	19Q61A0480	Venna Ujwala
5	19Q61A0481	Aithagoni Venkatesh
6	20Q65A0401	Bairi Bhaskar Goud
7	20Q65A0402	Bantu Shiva Prasad
8	20Q65A0403	Bhukya Sreelatha
9	20Q65A0404	Boda Saidulu
10	20Q65A0405	Ch Om Sai Vahini
11	20Q65A0406	Chitumalla Manideep
12	20Q65A0407	Gajagatla Keerthana
13	20Q65A0408	Gundeti Shruthi
14	20Q65A0409	K Shiva
15	20Q65A0410	Mandaloju Ramprasad
16	20Q65A0411	Mohammed Soheil
17	20Q65A0412	Nadikudi Mounika
18	20Q65A0413	Polepalli Hemanth
19	20Q65A0414	Puli Anusha
20	20Q65A0415	Puttapaga Manisha
21	20Q65A0416	Racharla Bhanuprasad
22	20Q65A0417	Adapaka Raviteja
23	20Q65A0418	Anna Keerthana
24	20Q65A0419	Attani Mahesh Yadav
25	20Q65A0420	Balnagar Govind
26	20Q65A0421	Bharatha Geetha
27	20Q65A0422	Chittumalla Sharath Chandra
28	20Q65A0423	Deshagani Bharath Chandra
29	20Q65A0424	Gudise Divya
30	20Q65A0425	Karupothula Shyam Sunder
31	20Q65A0426	Kavati Karthik

32	20Q65A0427	Kothapelli Arunkumar
33	20Q65A0428	Mohite Rahul
34	20Q65A0429	Tharun Gundapu
35	20Q65A0430	Vasampalli Sowjanya
36	20Q65A0431	Vasampally Sravanthi
37	20Q65A0432	Voraganti Shashank Abhishek
38	20Q65A0433	Yelimeti Sai Sumanth

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HOD

Head of the Department
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Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
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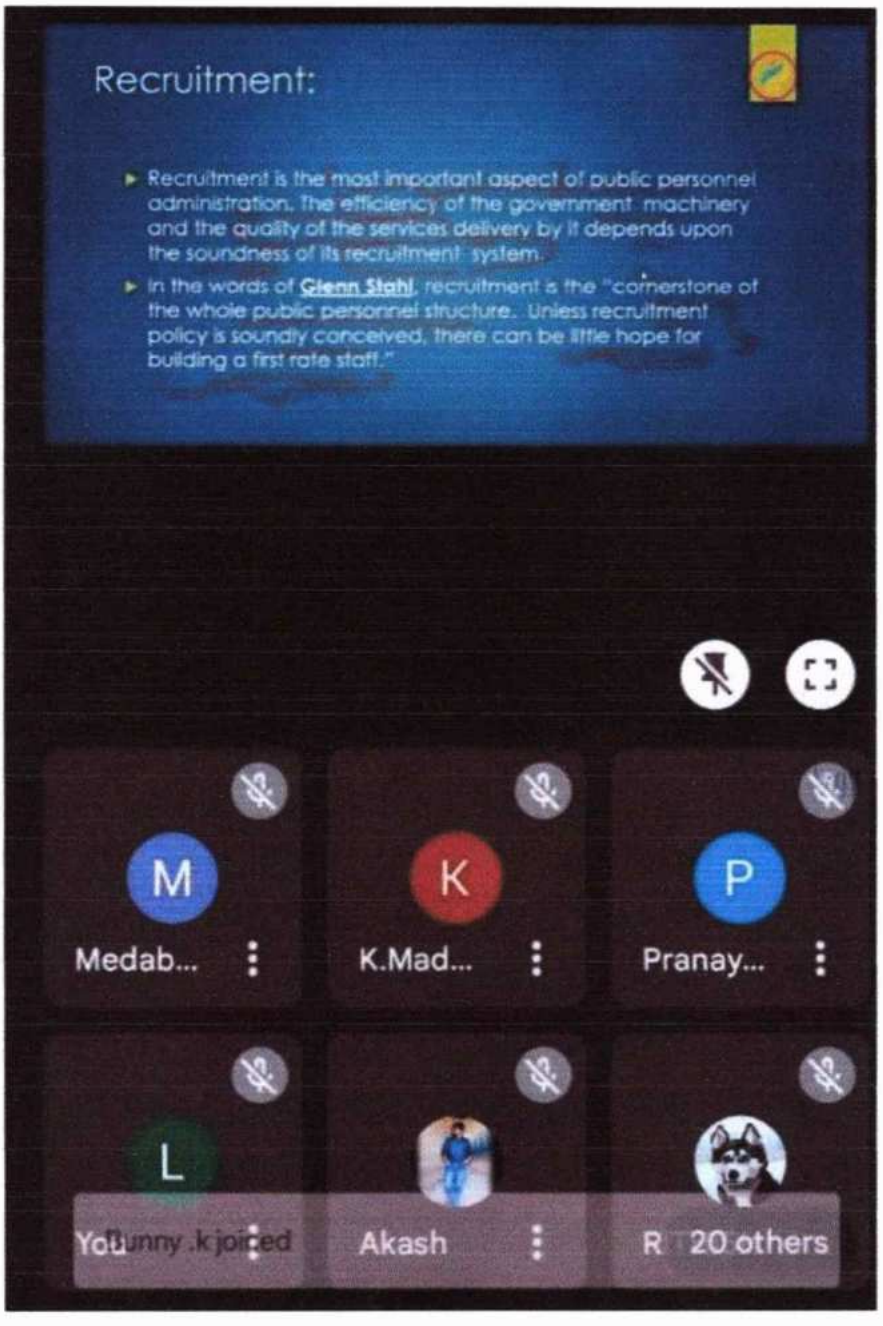

The students of II year B.Tech certificate program attending " Design and prototyping of Printed Circuit Board" by Mr.J.Kiran from Physitech electronics.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND PROTOTYPING OF PRINTED CIRCUIT BOARD**

II YEAR II–SEM **A.Y 2020-2021** **Date: 10-03-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	15.03.21	16.03.21	17.03.21	18.03.21	19.03.21	20.03.21
1	19Q61A0477	Venreddy Rashmitha	A	A	A	A	A	A
2	19Q61A0478	Jakkidi Madhuri	P	P	P	P	P	P
3	19Q61A0479	Balamisu Divya	A	P	P	P	P	P
4	19Q61A0480	Venna Ujwala	P	P	P	P	P	P
5	19Q61A0481	Aithagoni Venkatesh	P	P	P	P	P	P
6	20Q65A0401	Bairi Bhaskar Goud	P	P	P	P	P	P
7	20Q65A0402	Bantu Shiva Prasad	P	P	P	P	P	P
8	20Q65A0403	Bhukya Sreelatha	P	P	P	P	P	P
9	20Q65A0404	Boda Saidulu	P	P	P	P	P	P
10	20Q65A0405	Ch Om Sai Vahini	P	P	P	A	P	P
11	20Q65A0406	Chitumalla Manideep	P	P	P	P	P	P
12	20Q65A0407	Gajagatla Keerthana	P	P	P	P	P	P
13	20Q65A0408	Gundeti Shruthi	P	P	P	P	P	P
14	20Q65A0409	K Shiva	P	P	P	P	P	P
15	20Q65A0410	Mandaloju Ramprasad	A	P	P	P	P	P
16	20Q65A0411	Mohammed Soheil	P	P	P	P	P	P
17	20Q65A0412	Nadikudi Mounika	P	P	P	A	P	P
18	20Q65A0413	Polepalli Hemanth	P	P	P	P	P	P
19	20Q65A0414	Puli Anusha	P	P	P	P	P	P
20	20Q65A0415	Puttapaga Manisha	P	P	P	P	P	P
21	20Q65A0416	Racharla Bhanuprasad	P	P	P	P	P	P
22	20Q65A0417	Adapaka Raviteja	P	P	P	P	P	P
23	20Q65A0418	Anna Keerthana	P	P	P	P	P	P
24	20Q65A0419	Attani Mahesh Yadav	P	P	P	P	P	P
25	20Q65A0420	Balnagar Govind	P	P	P	P	P	P
26	20Q65A0421	Bharatha Geetha	P	P	P	P	P	P
27	20Q65A0422	Chittumalla Sharath Chandra	P	P	P	P	P	P
28	20Q65A0423	Deshagani Bharath Chandra	P	P	P	P	P	P
29	20Q65A0424	Gudise Divya	P	P	P	P	P	P
30	20Q65A0425	Karupothula Shyam Sunder	P	P	P	P	P	P

31	20Q65A0426	Kavati Karthik	P	P	P	P	P	P
32	20Q65A0427	Kothapelli Arunkumar	A	P	P	P	P	P
33	20Q65A0428	Mohite Rahul	P	P	P	P	P	P
34	20Q65A0429	Tharun Gundapu	P	P	P	P	P	P
35	20Q65A0430	Vasampalli Sowjanya	A	A	A	A	A	A
36	20Q65A0431	Vasampally Sravanthi	P	P	P	P	P	P
37	20Q65A0432	Voraganti Shashank Abhishek	P	P	P	A	P	P
38	20Q65A0433	Yelimeti Sai Sumanth	P	P	P	P	P	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **DESIGN AND PROTOTYPING OF PRINTED CIRCUIT BOARD**

II YEAR II–SEM **A.Y 2020-21** **Date: 15-03-2021 to 20-03-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0477	Venreddy Rashmitha	0	0
2	19Q61A0478	Jakkidi Madhuri	30	100
3	19Q61A0479	Balamisu Divya	25	83.3
4	19Q61A0480	Venna Ujwala	30	100
5	19Q61A0481	Aithagoni Venkatesh	30	100
6	20Q65A0401	Bairi Bhaskar Goud	30	100
7	20Q65A0402	Bantu Shiva Prasad	30	100
8	20Q65A0403	Bhukya Sreelatha	30	100
9	20Q65A0404	Boda Saidulu	30	100
10	20Q65A0405	Ch Om Sai Vahini	25	83.3
11	20Q65A0406	Chitumalla Manideep	30	100
12	20Q65A0407	Gajagatla Keerthana	30	100
13	20Q65A0408	Gundeti Shruthi	30	100
14	20Q65A0409	K Shiva	30	100
15	20Q65A0410	Mandaloju Ramprasad	25	83.3
16	20Q65A0411	Mohammed Soheil	30	100
17	20Q65A0412	Nadikudi Mounika	25	83.3
18	20Q65A0413	Polepalli Hemanth	30	100
19	20Q65A0414	Puli Anusha	30	100
20	20Q65A0415	Puttapaga Manisha	30	100
21	20Q65A0416	Racharla Bhanuprasad	30	100
22	20Q65A0417	Adapaka Raviteja	30	100
23	20Q65A0418	Anna Keerthana	30	100
24	20Q65A0419	Attani Mahesh Yadav	30	100
25	20Q65A0420	Balnagar Govind	30	100
26	20Q65A0421	Bharatha Geetha	30	100
27	20Q65A0422	Chittumalla Sharath Chandra	30	100
28	20Q65A0423	Deshagani Bharath Chandra	30	100
29	20Q65A0424	Gudise Divya	30	100
30	20Q65A0425	Karupothula Shyam Sunder	30	100

31	20Q65A0426	Kavati Karthik	30	100
32	20Q65A0427	Kothapelli Arunkumar	25	83.3
33	20Q65A0428	Mohite Rahul	30	100
34	20Q65A0429	Tharun Gundapu	30	100
35	20Q65A0430	Vasampalli Sowjanya	0	0
36	20Q65A0431	Vasampally Sravanthi	30	100
37	20Q65A0432	Voraganti Shashank Abhishek	25	83.3
38	20Q65A0433	Yelimeti Sai Sumanth	30	100

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 25-03-2021

PROGRAM REPORT

Name of the value added course: Design and prototyping of Printed Circuit Board
Day/Duration: 30 Hours
Time: 10:00 am to 05:00 pm
Resource Person: Mr.J.Kiran, Technical Trainer, Physitech electronics
Name of the Coordinator: Mr.M.Vinaykumar Assistant Professor
Number of the Participants: 36
Topics covered: The following topics covered in this program

- PCB Design
- PCB Testing
- CNC Machine
- PCB Prototyping
- Photo-Lithography

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HOD

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physitech ELECTRONICS

PHYSITECH ELECTRONICS
Manufacturers of Test & Measuring Instruments

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **G.DIVYA** Bearing Reg.No **20Q65A0424** is participated in **"DESIGN AND PROTO TYPING OF PRINTED CIRCUIT BOARD"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'PHYSITECH ELECTRONICS'** from **15/03/2021 to 20/03/2021**.

(Sign with Seal)

Authorized Sign.
Physitech Electronics

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Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

6-2-101/6, Padma Plaza, First Floor, 101/102, New Bhoiguda, Secunderabad - 500 003.
Phone : 2753 7483, 2754 7483 • Telefax : 040 - 27537483 • Cell : 98489 68484
Website : www.physitechelectronics.com
E-mail : physitech@yahoo.com

physitech ELECTRONICS

PHYSITECH ELECTRONICS
Manufacturers of Test & Measuring Instruments

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **J.MADHURI** Bearing Reg.No **19Q61A0478** is participated in **"DESIGN AND PROTO TYPING OF PRINTED CIRCUIT BOARD"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'PHYSITECH ELECTRONICS'** from **15/03/2021 to 20/03/2021**.

Head of the Department
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(Sign with Seal)
Authorized Sign.
Physitech Electronics

6-2-101/6, Padma Plaza, First Floor, 101/102, New Bhoiguda, Secunderabad - 500 003.
Phone : 2753 7483, 2754 7483 • Telefax : 040 - 27537483 • Cell : 98489 68484
Website : www.physitechelectronics.com
E-mail : physitech@yahoo.com

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/2020-2l/II/04 **Date: 05-05-2021**

CIRCULAR

This is to inform all the III B. Tech ECE students that, the Department organizing a Value Added Course on **"Programming Logic with C and Python".** This course is scheduled for 06 days which will take from 10-05-2021 to 15-05-2021 in online mode. This course is organized by Department of Electronics and Communication Engineering.

The Value Added Course is in Collaboration with Mr.M.Uday with Webtech Labs Pvt Ltd.

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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Notice Board
III.B. Tech ECE students
Dept. file

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Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

ABOUT THE COURSE

Python and C language have been at work for a couple of decades to provide developers and programmers with the ability to write code easily. There are many differences that lie in between the two, and thus, you need to have insights into Python vs C language. This blog is aimed at providing you with complete information regarding the comparison between Python and C programming Language

COURSE OBJECTIVES

- To learn Assemble, Install and replace different parts of computer
- To demonstrate the basic functionalities of different types of Operating Systems with the knowledge of installation and
- configuration of Windows / Linux Operating System.
- To perform conversion of different number systems and do arithmetic operation
- To write 'C' Programs using Loop, function Arrays, Structure, & Pointers
- To write simple Python program using Python string processing functions and methods, also involving dictionaries & related operations

COURSE OBJECTIVES

At the end of the course, students will have the ability to:

- learn Assemble, Install and replace different parts of computer .
- Demonstrate the basic functionalities of different types of Operating Systems with the Knowledge of installation and configuration of windows /Linux operating System
- Perform conversion of different number systems and do arithmetic operation
- Write C Programs using Loap, function Arrays, Structure, & Pointers
- Write simple Python program using Python string processing functions and methods, also involving dictionarles & related operations

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Resource person
Mr.M.Uday
Subject Expert
WEBTEK Labs Pvt Ltd

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunrock (V), Abdullapurmet (Md), R.R. Dist.

Co-ordinator :
Mr.G.Srinivas
Assistant Professor
Department of ECE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIEX2ADIdlntyg/viewform

Google Meet Link: https://meet.google.com/vat-xmecgh-ksi

AVANTHI

INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

B++ NAAC



ADD-ON COURSE ON

"PROGRAMMING LOGIC WITH C AND PYTHON"

10 TH TO 15TH MAY,2021

Duration of the course:36 Hrs

ORGANIZED BY :

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PROGRAMMING LOGIC WITH C AND PYTHON**

ACADEMIC YEAR: 2020-2021

B. TECH III YEAR -II SEM

Course Obejective:

- To learn Assemble, Install and replace different parts of computer
- To demonstrate the basic functionalities of different types of Operating Systems with the knowledge of installation and configuration of Windows / Linux Operating System.
- To perform conversion of different number systems and do arithmetic operation
- To write 'C "Programs using Loop, function, Arrays, Structure, &e Pointers.
- To write simple Python program using Python string processing functions and methods, also involving dictionaries & related operations.

UNIT-I: Introduction to Computers: Introduction to Computers, Evolution of computers, computer hardware generations, Classification of Computers, Basic Computer Organization, computer System: Hardware, Software, Data and People, Applications of computers in modem society Memory and Storage Systems I. Cache Memory 2.Primary memory: RAM, ROM 3. Secondary memory: Hard disks, CD Rom, DVD Rom, and USB Flash driveled. Input and Output Devices 1. Input Devices: Keyboard, Pointing devices, handheld devices, Optical device set. 2. Output Devices: Monitors, Projectors, Printers, Plotters etc. 3. Study of Motherboard, SMPS, HDD

UNIT-II: Software and Languages: Software and Languages. Definition and Functions of software Types of software ,System Software :Operating System, Utility Programs, Device Drivers, Language Translator, Linker, Loader Application Software: General purpose and Application purpose software Operating System Definition and Functions of OS .Types of OS . Booting, Buffering, Concept of Virtual memory. Directory and file structure. DOS commands and their uses.MS Windows OS. UNIX Commands and uses Programming Languages 1.Gencration of Comp. Language 2. Classification of Language: Machine language, Assembly language and High level language.

UNIT-III: Number System: Positional number system: Decimal, Binary, Octal and Hexadecimal number system. Conversion between these number systems. Arithmetic: Addition, subtraction of these numbers, Multiplication and Division for binary system only. Negative No. representation: Signed magnitude, 1's complement and 2's complement. Subtraction using complements. Various binary codes: BCD, EBCDIC, ASCII, Gray code. Fixed and Floating point Nos. Boolean algebra and Logic Gates

UNIT-IV: Programming in C: Programming in C: Introductory concept of programming. Algorithm and Flowchart. Introduction to C. Character set, Keywords, Constants, Variables, Data Types in C. Operators in C. Header Files Statements in C. Assignment Statement, Input/output statement, Control statement, Loop or Jump control statements. Arrays and Strings. Functions (User defined and common library functions). Structures of C. Basic concept of Pointer

UNIT-V: Introduction to Python Introduction to Python: Getting started with Python. Process of writing a simple program (interactive and script mode), running it, and print statement. Python fundamentals: Character set, Token & Identifiers, Keywords, Literals, and Operators. Barebones of a Python program. Variables & Assignments. Simple input and output. Python data types, operators and Expression. Introduction to Python standard Library modules. Flow of control: if, if-else, if-else-if statement, Iteration/Looping statements - for loop, while loop, loop else statements, Jump statements String Manipulation: String operators, String functions and methods List manipulation: Creating and accessing lists, list operators, list functions and methods. Tuples: Creating and accessing tuples, tuple operations, tuple functions and methods. Dictionaries: Dictionary-Key: Value Pairs: Creating and accessing dictionary, working with dictionaries, Dictionary functions and methods

TEXT BOOKS:

1. E. Balaguruswamy, "Programming in ANSI C", 8th Edition, 2019, McGraw Hill Education, ISBN: 978-93-5316-513-0.
2. Learning with Python by Allen Downey

REFERENCE BOOKS:

1. Pradip Dey, Manas Ghosh, "Programming in C", 2nd Edition, 2018, Oxford University Press, ISBN: 978-01-9949-147-6.
2. Kernighan B.W and Dennis M. Ritchie, "The C Programming Language", 2nd Edition, 2015, Pearson Education India, ISBN: 978-93-3254-944-9
3. Core Python Programming: Covers fundamentals to advanced topics like OOPS, Exceptions, Data structures, Files, Threads, Net. 3ed by R. Nageswara Rao

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PROGRAMMING LOGIC WITH C AND PYTHON**

ACADEMIC YEAR: 2020-21 **Date: 05-05-2021**

B.TECH III YEAR-II SEM **DAY WISE SCHEDULE SHEET**

S.No	Day	Topic	Timings	Duration
1	10-05-2021	Introduction to Computers, Evolution of computers, computer hardware generations, Classification of Computers, Basic	09:30 am to 4:00pm	6 hour
2	11-05-2021	Software and Languages. Definition and Functions of software Types of software ,System Software :Operating System, Utility Programs	09:30 am to 4:00pm	6 hour
3	12-05-2021	Decimal, Binary, Octal and Hexadecimal number system. Conversion between these number systems	09:30 am to 4:00pm	6 hour
4	13-05-2021	Programming in C: Introductory concept of programming. Algorithm and Flowchart. Introduction to C	09:30 am to 4:00pm	6 hour
5	14-05-2021	Introductory concept of programming. Algorithm and Flowchart. Introduction to C. Character set, Keywords, Constants, Variables,	09:30 am to 4:00pm	6 hour
6	15-05-2021	Getting started with Python. Process of writing a simple program (interactive and script mode), running it, and print statement	09:30 am to 4:00pm	6 hour
				Total: 36 Hours

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PROGRAMMING LOGIC WITH C AND PYTHON**

III YEAR II–SEM ENROLLED STUDENTS LIST Date: 10-05-2021 to 15-05-2021

S.No	Roll Number	Name of The Student
1	19Q65A0402	G Nagaraju
2	19Q65A0403	Kammadanam Nandini
3	19Q65A0404	Koripally Nikhila
4	19Q65A0405	Maale Shirisha
5	19Q65A0406	Math Aishwarya
6	19Q65A0407	Nalumasu Vaishnavi
7	19Q65A0408	Nandu Srikanth Reddy
8	19Q65A0409	Nomula Vijaya Rama Raju
9	19Q65A0410	Peyyala Sai Raju
10	19Q65A0411	Pittala Sairavali
11	19Q65A0412	Puligilla Pravalika
12	19Q65A0413	Pusala Yesumani
13	19Q65A0414	Vallepu Swathi
14	19Q65A0415	Vemula Rajesh
15	19Q65A0416	Vislavath Bhaskar Naik
16	19Q65A0417	Yamini Shivani
17	19Q65A0418	Yennam.Kondareddy
18	19Q65A0419	A Ashwini
19	19Q65A0420	Daram Mamatha
20	19Q65A0421	Detti Chandu
21	19Q65A0422	Devarigari Satya Prasad
22	19Q65A0423	Devunuri Sony
23	19Q65A0424	Gumpuula Chandana
24	19Q65A0425	K Shiva
25	19Q65A0426	Kakkunuru Prathyusha
26	19Q65A0427	Kakumani Harika
27	19Q65A0428	Kanuganti Karthik Kumar
28	19Q65A0429	Kothapalli Vamshi
29	19Q65A0430	Koyeda Sakethram
30	19Q65A0431	N Pavan Krishna
31	19Q65A0432	N Swathi
32	19Q65A0433	Nalla Teja
33	19Q65A0434	Nellutla Arun Kuumar
34	19Q65A0435	Nomula Govardhan

35	19Q65A0436	Pasala Peter Sandeep
36	19Q65A0437	Patibanda Lakshmi Saimanoj
37	19Q65A0438	Puutta Swathi
38	19Q65A0439	Shaga Bharath Reddy
39	19Q65A0440	Sunkari Sravani
40	19Q65A0441	Vangari Ram Teja
41	19Q65A0442	Varkala Praveen Kumar

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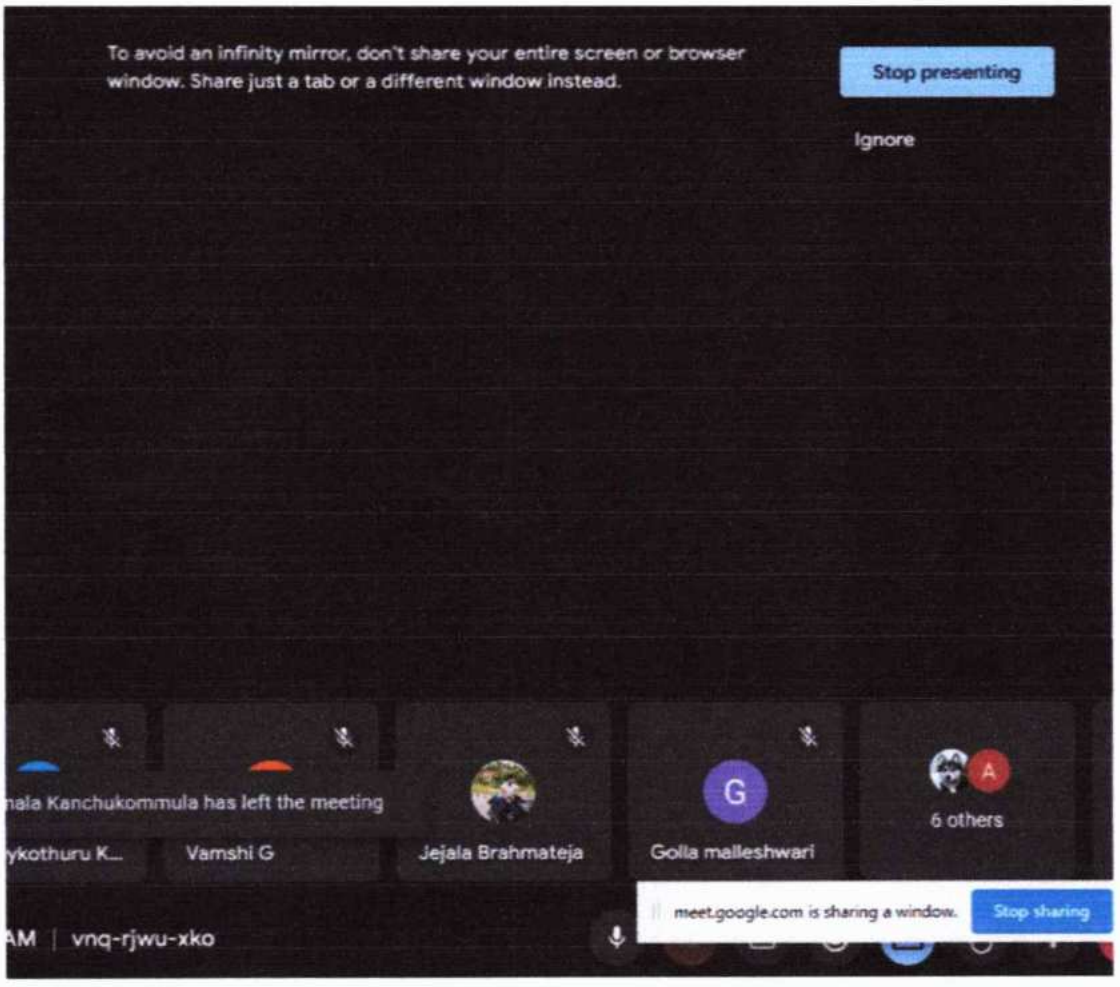
Gunthapally (V), Abdullapur Met (Mdl
Ranga Reddy District.



The students of III year B.Tech certificate program attending Programming Logic with C and Python" by "Mr.M.Uday", Subject Expert from Webtech Labs Pvt Ltd.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PROGRAMMING LOGIC WITH C AND PYTHON**

III YEAR II–SEM **A.Y 2020-2021** **Date: 05-05-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	10.05.21	11.05.21	12.05.21	13.05.21	14.05.21	15.05.21
1	19Q65A0402	G Nagaraju	P	P	P	P	P	P
2	19Q65A0403	Kammadanam Nandini	P	P	P	P	P	P
3	19Q65A0404	Koripally Nikhila	P	P	P	P	P	P
4	19Q65A0405	Maale Shirisha	P	P	P	P	P	P
5	19Q65A0406	Math Aishwarya	P	P	P	P	P	P
6	19Q65A0407	Nalumasu Vaishnavi	P	P	P	P	P	P
7	19Q65A0408	Nandu Srikanth Reddy	P	P	P	P	P	P
8	19Q65A0409	Nomula Vijaya Rama Raju	A	A	A	A	A	A
9	19Q65A0410	Peyyala Sai Raju	P	P	P	P	P	P
10	19Q65A0411	Pittala Sairavali	A	P	P	P	P	P
11	19Q65A0412	Puligilla Pravalika	P	P	P	P	P	P
12	19Q65A0413	Pusala Yesumani	P	P	P	P	P	P
13	19Q65A0414	Vallepu Swathi	P	P	P	P	P	P
14	19Q65A0415	Vemula Rajesh	P	P	P	P	P	P
15	19Q65A0416	Vislavath Bhaskar Naik	P	P	P	P	P	P
16	19Q65A0417	Yamini Shivani	P	P	P	P	P	P
17	19Q65A0418	Yennam.Kondareddy	P	P	P	P	P	P
18	19Q65A0419	A Ashwini	P	P	A	P	P	P
19	19Q65A0420	Daram Mamatha	P	P	P	P	P	P
20	19Q65A0421	Detti Chandu	P	P	P	P	P	P
21	19Q65A0422	Devarigari Satya Prasad	P	P	P	P	P	P
22	19Q65A0423	Devunuri Sony	P	P	P	P	P	P
23	19Q65A0424	Gumpuula Chandana	P	P	P	P	P	P
24	19Q65A0425	K Shiva	P	P	P	P	P	P
25	19Q65A0426	Kakkunuru Prathyusha	P	P	P	P	P	P
26	19Q65A0427	Kakumani Harika	A	A	A	A	A	A
27	19Q65A0428	Kanuganti Karthik Kumar	P	P	P	P	P	P
28	19Q65A0429	Kothapalli Vamshi	P	P	P	P	P	P
29	19Q65A0430	Koyeda Sakethram	A	P	P	P	P	P
30	19Q65A0431	N Pavan Krishna	P	P	P	P	P	P
31	19Q65A0432	N Swathi	P	P	P	P	P	P
32	19Q65A0433	Nalla Teja	P	P	P	P	P	P
33	19Q65A0434	Nellutla Arun Kuumar	P	P	P	P	P	P
34	19Q65A0435	Nomula Govardhan	A	A	A	A	A	A
35	19Q65A0436	Pasala Peter Sandeep	P	P	P	P	P	P
36	19Q65A0437	Patibanda Lakshmi Saimanoj	P	P	P	P	P	P
37	19Q65A0438	Puutta Swathi	P	P	P	P	P	P

38	19Q65A0439	Shaga Bharath Reddy	A	P	P	P	P	P
39	19Q65A0440	Sunkari Sravani	P	P	P	P	P	P
40	19Q65A0441	Vangari Ram Teja	P	P	P	P	P	P
41	19Q65A0442	Varkala Praveen Kumar	P	P	P	A	P	P

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PROGRAMMING LOGIC WITH C AND PYTHON**

III YEAR II–SEM **A.Y 2020-21** **Date: 10-05-2021 to 15-05-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q65A0402	G Nagaraju	36	100
2	19Q65A0403	Kammadanam Nandini	36	100
3	19Q65A0404	Koripally Nikhila	36	100
4	19Q65A0405	Maale Shirisha	36	100
5	19Q65A0406	Math Aishwarya	36	100
6	19Q65A0407	Nalumasu Vaishnavi	36	100
7	19Q65A0408	Nandu Srikanth Reddy	36	100
8	19Q65A0409	Nomula Vijaya Rama Raju	0	0
9	19Q65A0410	Peyyala Sai Raju	36	100
10	19Q65A0411	Pittala Sairavali	30	83.3
11	19Q65A0412	Puligilla Pravalika	36	100
12	19Q65A0413	Pusala Yesumani	36	100
13	19Q65A0414	Vallepu Swathi	36	100
14	19Q65A0415	Vemula Rajesh	36	100
15	19Q65A0416	Vislavath Bhaskar Naik	36	100
16	19Q65A0417	Yamini Shivani	36	100
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23	19Q65A0424	Gumpuula Chandana	36	100
24	19Q65A0425	K Shiva	36	100
25	19Q65A0426	Kakkunuru Prathyusha	36	100
26	19Q65A0427	Kakumani Harika	0	0
27	19Q65A0428	Kanuganti Karthik Kumar	36	100
28	19Q65A0429	Kothapalli Vamshi	36	100
29	19Q65A0430	Koyeda Sakethram	30	83.3
30	19Q65A0431	N Pavan Krishna	36	100
31	19Q65A0432	N Swathi	36	100
32	19Q65A0433	Nalla Teja	36	100
33	19Q65A0434	Nellutla Arun Kuumar	36	100

34	19Q65A0435	Nomula Govardhan	0	0
35	19Q65A0436	Pasala Peter Sandeep	36	100
36	19Q65A0437	Patibanda Lakshmi Saimanoj	36	100
37	19Q65A0438	Puutta Swathi	36	100
38	19Q65A0439	Shaga Bharath Reddy	30	83.3
39	19Q65A0440	Sunkari Sravani	36	100
40	19Q65A0441	Vangari Ram Teja	36	100
41	19Q65A0442	Varkala Praveen Kumar	30	83.3

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 20-05-2021

PROGRAM REPORT

Name of the value added Course: Programming logic with C and Python
Day/Duration: 36 hours
Time: 09:30 am to 4:00pm
Resource Person: Mr.M.Uday, Subject Expert, Webtech Labs Pvt Ltd
Name of the Coordinator: Mr.G.Srinivas Assistant Professor
Number of the Participants: 38
Topics covered: The following topics covered in this program

- Introduction to Computers, Evolution of computers
- Software and Languages
- Multiplication and Division for binary system.
- Introductory concept of programming. Algorithm and Flowchart.
- Getting started with Python. Process of writing a simple program

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Head of the Department
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Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapurmet (Mdl),
Ranga Reddy District.

WebTek Labs Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **P.SWATHI** Bearing Reg.No **19Q65A0438** is participated in **"PROGRAMMING LOGIC WITH C AND PYTHON"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu,Rangareddy, in Association with **WEBTEKLabs Pvt.Ltd.** from **10/05/2021** to **15/05/2021**.

Vania Das

DIRECTOR

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

HOD ECE

Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Abdullapur Met (V)
Ranga Reddy District.

WebTek Labs Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **G.NAGARAJU** Bearing Reg.No **19Q65A0402** is participated in **"PROGRAMMING LOGIC WITH C AND PYTHON"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu,Rangareddy, in Association with **WEBTEKLabs Pvt.Ltd.** from **10/05/2021** to **15/05/2021**.

Vania Das

DIRECTOR

PRINCIPAL
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HOD ECE

Head of the Department
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AVIH/ECE/AOC/CIR/2020-2l/SEM/I/03 **Date: 28-01-2021**

CIRCULAR

This is to inform all the IV B. Tech ECE students that, the Department organizing a Value Added Course on **"PYTHON APPLICATIONS - NUMPY AND PANDAS "**.This course is scheduled for 15 days which will take place from 01-02-2021 to 22-02-2021 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.S.Jeevan Kumar with Shellex Software Solutions Pvt Ltd.

HOD
Head of the Department
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ABOUT THE COURSE

Pandas has powerful tools like Series, DataFrame etc. NumPy has a powerful tool like Arrays. Pandas is used in popular organizations like Instacart, SendGrid, and Sighten. NumPy is used in the popular organization like SweepSouth.

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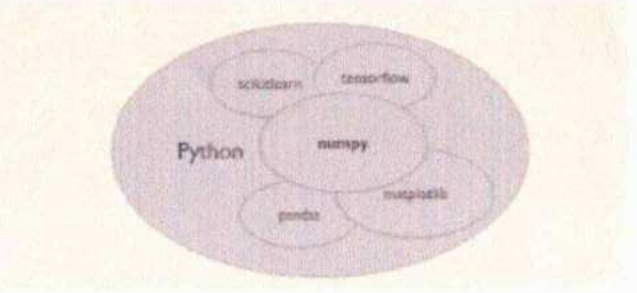
ACCREDITED WITH GRADE B++ NAAC

COURSE OBJECTIVES

- To install and run the Python interpreter
- To learn control structures.
- To Understand Lists, Dictionaries in python
- To Handle Strings and Files in Python



EXPECTED OUTCOMES

- Create your first program in Python IDLE.
- Implement OOPs concepts in your programming.
- Use Arrays, and Data structures.
- Create an application with the support of graphics in Python.
- Implement error handling.
- When students complete Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.

VALUE ADDED COURSE ON

" Python Applications - Numpy and Pandas"

01st to 22nd FEB - 2021

DURATION OF THE COURSE 45 HRS

ORGANIZED BY:

DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

Resource Person
Mr.S.Jeevan Kumar
Subject Expert
Shellex Software Solutions Pvt Ltd

Co-ordinator
Mr.J.Rajkumar
Assistant Professor
Department of EBE

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Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH IV YEAR I SEM

Course objectives:

- To install and run the Python interpreter
- To learn control structures.
- To Understand Lists, Dictionaries in python
- To Handle Strings and Files in Python

Module 1: Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions?

Module 2: Iteration, Strings, Files

Module 3: Lists, Dictionaries, Tuples, Regular Expressions

Module 4: Classes and objects, Classes and functions, Classes and methods

Module 5: Networked programs, Using Web Services, Using databases and SQL, Numpy and Pandas

TEXT BOOK:

1. Learning Python, Mark Lutz, O'reilly

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NMAE: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

ACADEMIC YEAR: 2020-2021 **Date: 28-01-2021**

B.TECH IV YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	Introduction To Python Language,Datatypes,Operators	10:00 am to 1:00 pm	3 hour
02-02-2021	Input & Output In Python, Control Statements, Arrays	10:00 am to 1:00 pm	3 hour
03-02-2021	Strings, Lists & Tuples, Dictionaries	10:00 am to 1:00 pm	3 hour
04-02-2021	OOPS, Classes & Objects, Inheritance & Polymorphism	10:00 am to 1:00 pm	3 hour
08-02-2021	Abstract Class & Interface, Exceptions, File Handling	10:00 am to 1:00 pm	3 hour
09-02-2021	Input & Output In Python, Control Statements, Arrays	10:00 am to 1:00 pm	3 hour
10-02-2021	Regular Expressions, Data Structures,	10:00 am to 1:00 pm	3 hour
11-02-2021	Data Structures, Date & Time	10:00 am to 1:00 pm	3 hour
12-02-2021	GUI In Python	10:00 am to 1:00 pm	3 hour
15-02-2021	Networking	10:00 am to 1:00 pm	3 hour
16-02-2021	Python Database Connectivity, SQL	10:00 am to 1:00 pm	3 hour
17-02-2021	Data Science Using Python	10:00 am to 1:00 pm	3 hour
18-02-2021	Threads	10:00 am to 1:00 pm	3 hour
19-02-2021	Python Pandas	10:00 am to 1:00 pm	3 hour
22-02-2021	Numpy Python	10:00 am to 1:00 pm	3 hour
		Total – 45 hours	

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VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **Enrolled Students List** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student
1	17Q61A0401	Ale Santhosh Kumar
2	17Q61A0402	Anuganti Vamshi
3	17Q61A0403	Anumula Manisha
4	17Q61A0404	Arra Anoop Reddy
5	17Q61A0405	Ayush Kumar Jain
6	17Q61A0406	Bakkathatla Kiran Mahesh
7	17Q61A0407	Bandi Anusha
8	17Q61A0408	Boinpally Ananya
9	17Q61A0409	Bojadla Venkata Sairam
10	17Q61A0410	Bollarapu Akhila
11	17Q61A0411	Bommarathi Nagaraju
12	17Q61A0412	Busetty Laxman Kumar
13	17Q61A0413	Chappidi Srikanth Reddy
14	17Q61A0414	Cherviralla Sai Teja
15	17Q61A0415	Chinthapally Bindu
16	17Q61A0417	Deva Nithin
17	17Q61A0418	Dhude Bindu Priya
18	17Q61A0419	Dwaram Venkataramakrishna Reddy
19	17Q61A0420	Dyavarisetti Harika
20	17Q61A0421	Gaddam Pavan Kalyan Goud
21	17Q61A0422	Ganapuram Soumya
22	17Q61A0423	Gangadevi Shiva Prasad
23	17Q61A0424	Gangapuram Sai Vamshika Reddy
24	17Q61A0425	Gollapelly Nagendra
25	17Q61A0426	Gouni Varsha
26	17Q61A0427	Gourraju Narasimha
27	17Q61A0428	Gurram Dinesh Kumar
28	17Q61A0429	Gurram Niharika
29	17Q61A0430	Julakanti Sravanthi
30	17Q61A0431	K Girish
31	17Q61A0432	K Phanindra
32	17Q61A0433	K Sai Nikhil Reddy
33	17Q61A0434	Kakarla Baby Lakshmi Priyanka
34	17Q61A0436	Kalvakol Manasa

35	17Q61A0438	Kolan Mounika
36	17Q61A0439	Kunchakuri Sravani
37	17Q61A0440	Mamidala Nagaraju
38	17Q61A0441	Manchikanti Shravanthi
39	17Q61A0442	Mandaparupu Vijayender Reddy
40	17Q61A0443	Medipally Vandana
41	17Q61A0444	Moola Abhishek
42	17Q61A0445	Nagula Anusha Sree Reddy
43	17Q61A0446	Nallamala Jaswanth
44	17Q61A0447	Nandikonda Meghana
45	17Q61A0448	Neelakantam Venkatesh
46	17Q61A0449	P Anand
47	17Q61A0451	Panyala Rajaiahgari Supriya
48	17Q61A0452	Parishnaboina Mounika Goud
49	17Q61A0453	Patnam Ramya
50	17Q61A0455	Pothu Deepthi
51	17Q61A0457	Pupala Lakshman Kumar
52	17Q61A0458	Putchakatla Uday Kiran
53	17Q61A0459	Ramavath Vinod Naik
54	17Q61A0460	Shiva Sai Kulkarni
55	17Q61A0461	Sure Rahul Kumar Reddy
56	17Q61A0462	Thota Akhila
57	17Q61A0463	Vaddepally Charan Sagar
58	17Q61A0464	Vangala Spandana
59	17Q61A0465	Velagala Vanitha
60	17Q61A0466	Vinjamuri Naveen Kumar
61	17Q61A0467	Wepuri Vaishnavi
62	17Q61A0468	Yata Akshitha
63	17Q61A0469	Bukkapatnam Sai Taraka Ram
64	17Q61A0470	Cheruku Prudhvi
65	17Q61A0471	Desham Divya Goud
66	17Q61A0474	Gurram Sowmya
67	17Q61A0475	K Nikhil Reddy
68	17Q61A0476	Kadari Vinay
69	17Q61A0477	Kotla Harshavardhan
70	17Q61A0478	Laskari Vishal
71	17Q61A0479	Mallapagalla Kashinath
72	17Q61A0481	Pati Amalesh Reddy
73	17Q61A0482	Rangineni Abhinav Rao
74	17Q61A0483	Rudraram Keerthi

75	17Q61A0485	Venna Gopal Reddy
76	16Q61A0427	Gangineni Sai Kiran
77	16Q61A0449	Kothuri Saketh Ram
78	16Q61A0450	Kura Shiva Prasad
79	16Q61A04A4	Beeram Bhargav Reddy
80	16Q61A0448	Kotha Sri Sai Rohith
81	16Q61A0486	Saya Manish
82	16Q61A04B6	Yadlapalli Avinash
83	15Q61A0452	Maddela Aravind
84	15Q61A0472	Juthuka Manjularani
85	18Q65A0401	Amgoth Balakoti
86	18Q65A0402	Arkatala Bhargav Sai
87	18Q65A0403	Arukala Anilkumar
88	18Q65A0404	Bandari Bhagya
89	18Q65A0406	Byrampalli Shailaja
90	18Q65A0407	Chiluka Bharath
91	18Q65A0408	Gundala Naveen
92	18Q65A0409	Jakkula Pavan Kumar
93	18Q65A0410	Jella Vamshi Krishna
94	18Q65A0411	K Nandini
95	18Q65A0412	Kandukuri Phanideep
96	18Q65A0413	Konreddy Uday Krishna Reddy
97	18Q65A0414	Maktha Reshma
98	18Q65A0415	Mandali Jayasree
99	18Q65A0416	Mohammad Khaleel
100	18Q65A0417	Nakirekanti Sandeep
101	18Q65A0418	Nalla Sharath
102	18Q65A0419	Pannala Sai Kumar Reddy
103	18Q65A0420	Putta Mohan
104	18Q65A0421	Salluri Santhosh
105	18Q65A0422	Siddula Sai Teja
106	18Q65A0424	Yellanki Mounika
107	18Q65A0425	Dhondi Akhil
108	17Q65A0402	Akula Kiranmai
109	17Q65A0407	Battula Kasthuri
110	17Q65A0430	V Srilaxmi
111	17Q65A0409	Cherukupally Raju
112	17Q65A0411	Emmadi Deepa
113	17Q65A0412	Ganji Vamshi
114	16Q61A0467	Nerella Saikumar

115	16Q61A0468	Nimma Saikumar
116	16Q61A0475	Penta Sravan
117	16Q61A0452	M Ganga Reddy
118	15Q61A04C3	Ambati Manoj

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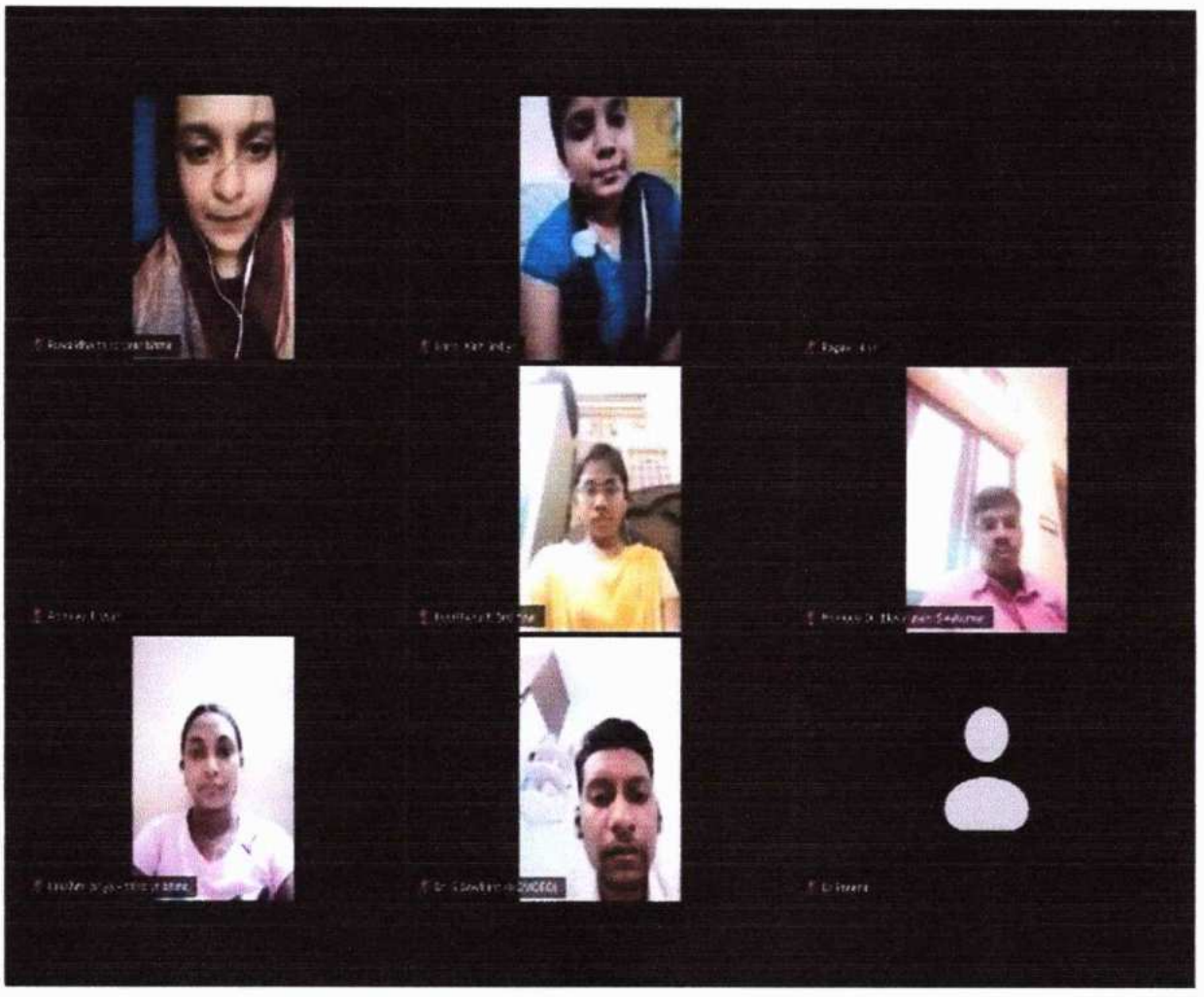

The students of IV year ECE certificate program attending "PYTHON APPLICATIONS - NUMPY AND PANDAS" by "Mr.S.Jeevan Kumar" from Shellex Software Solutions Pvt Ltd.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ADD ON COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **A.Y 2020-2021** **Date: 27-01-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21	22.02.21
1	17Q61A0401	Ale Santhosh Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	17Q61A0402	Anuganti Vamshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	17Q61A0403	Anumula Manisha	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	17Q61A0404	Arra Anoop Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	17Q61A0405	Ayush Kumar Jain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	17Q61A0406	Bakkathatla Kiran Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	17Q61A0407	Bandi Anusha	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
8	17Q61A0408	Boinpally Ananya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	17Q61A0409	Bojadla Venkata Sairam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	17Q61A0410	Bollarapu Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	17Q61A0411	Bommarathi Nagaraju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	17Q61A0412	Busetty Laxman Kumar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
13	17Q61A0413	Chappidi Srikanth Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	17Q61A0414	Cherviralla Sai Teja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	17Q61A0415	Chinthapally Bindu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	17Q61A0417	Deva Nithin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	17Q61A0418	Dhude Bindu Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	17Q61A0419	Dwaram Venkataramakrishna Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	17Q61A0420	Dyavarisetti Harika	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
20	17Q61A0421	Gaddam Pavan Kalyan Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	17Q61A0422	Ganapuram Soumya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	17Q61A0423	Gangadevi Shiva Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	17Q61A0424	Gangapuram Sai Vamshika Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	17Q61A0425	Gollapelly Nagendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	17Q61A0426	Gouni Varsha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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26	17Q61A0427	Gourraju Narasimha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	17Q61A0428	Gurram Dinesh Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	17Q61A0429	Gurram Niharika	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
29	17Q61A0430	Julakanti Sravanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	17Q61A0431	K Girish	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	17Q61A0432	K Phanindra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	17Q61A0433	K Sai Nikhil Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	17Q61A0434	Kakarla Baby Lakshmi Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	17Q61A0436	Kalvakol Manasa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	17Q61A0438	Kolan Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	17Q61A0439	Kunchakuri Sravani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	17Q61A0440	Mamidala Nagaraju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	17Q61A0441	Manchikanti Shravanthi	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
39	17Q61A0442	Mandaparupu Vijayender Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	17Q61A0443	Medipally Vandana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	17Q61A0444	Moola Abhishek	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	17Q61A0445	Nagula Anusha Sree Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	17Q61A0446	Nallamala Jaswanth	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
44	17Q61A0447	Nandikonda Meghana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	17Q61A0448	Neelakantam Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	17Q61A0449	P Anand	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	17Q61A0451	Panyala Rajaiahgari Supriya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	17Q61A0452	Parishnaboina Mounika Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	17Q61A0453	Patnam Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	17Q61A0455	Pothu Deepthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	17Q61A0457	Pupala Lakshman Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	17Q61A0458	Putchakatla Uday Kiran	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
53	17Q61A0459	Ramavath Vinod Naik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	17Q61A0460	Shiva Sai Kulkarni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	17Q61A0461	Sure Rahul Kumar Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	17Q61A0462	Thota Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	17Q61A0463	Vaddepally Charan Sagar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	17Q61A0464	Vangala Spandana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	17Q61A0465	Velagala Vanitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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60	17Q61A0466	Vinjamuri Naveen Kumar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
61	17Q61A0467	Wepuri Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	17Q61A0468	Yata Akshitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	17Q61A0469	Bukkapatnam Sai Taraka Ram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	17Q61A0470	Cheruku Prudhvi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	17Q61A0471	Desham Divya Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
66	17Q61A0474	Gurram Sowmya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	17Q61A0475	K Nikhil Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	17Q61A0476	Kadari Vinay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	17Q61A0477	Kotla Harshavardhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	17Q61A0478	Laskari Vishal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
71	17Q61A0479	Mallapagalla Kashinath	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	17Q61A0481	Pati Amalesh Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	17Q61A0482	Rangineni Abhinav Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74	17Q61A0483	Rudraram Keerthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	17Q61A0485	Venna Gopal Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
76	16Q61A0427	Gangineni Sai Kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
77	16Q61A0449	Kothuri Saketh Ram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	16Q61A0450	Kura Shiva Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	16Q61A04A4	Beeram Bhargav Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80	16Q61A0448	Kotha Sri Sai Rohith	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
81	16Q61A0486	Saya Manish	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	16Q61A04B6	Yadlapalli Avinash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
83	15Q61A0452	Maddela Aravind	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
84	15Q61A0472	Juthuka Manjularani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85	18Q65A0401	Amgoth Balakoti	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
86	18Q65A0402	Arkatala Bhargav Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
87	18Q65A0403	Arukala Anilkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
88	18Q65A0404	Bandari Bhagya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
89	18Q65A0406	Byrampalli Shailaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
90	18Q65A0407	Chiluka Bharath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
91	18Q65A0408	Gundala Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
92	18Q65A0409	Jakkula Pavan Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
93	18Q65A0410	Jella Vamshi Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

94	18Q65A0411	K Nandini	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
95	18Q65A0412	Kandukuri Phanideep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
96	18Q65A0413	Konreddy Uday Krishna Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
97	18Q65A0414	Maktha Reshma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
98	18Q65A0415	Mandali Jayasree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
99	18Q65A0416	Mohammad Khaleel	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
100	18Q65A0417	Nakirekanti Sandeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	18Q65A0418	Nalla Sharath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
102	18Q65A0419	Pannala Sai Kumar Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
103	18Q65A0420	Putta Mohan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
104	18Q65A0421	Salluri Santhosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
105	18Q65A0422	Siddula Sai Teja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
106	18Q65A0424	Yellanki Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
107	18Q65A0425	Dhondi Akhil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
108	17Q65A0402	Akula Kiranmai	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
109	17Q65A0407	Battula Kasthuri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
110	17Q65A0430	V Srilaxmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
111	17Q65A0409	Cherukupally Raju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
112	17Q65A0411	Emmadi Deepa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
113	17Q65A0412	Ganji Vamshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
114	16Q61A0467	Nerella Saikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
115	16Q61A0468	Nimma Saikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
116	16Q61A0475	Penta Sravan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
117	16Q61A0452	M Ganga Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
118	15Q61A04C3	Ambati Manoj	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **A.Y 2020-21** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	17Q61A0401	Ale Santhosh Kumar	45	100
2	17Q61A0402	Anuganti Vamshi	45	100
3	17Q61A0403	Anumula Manisha	0	0
4	17Q61A0404	Arra Anoop Reddy	45	100
5	17Q61A0405	Ayush Kumar Jain	45	100
6	17Q61A0406	Bakkathatla Kiran Mahesh	45	100
7	17Q61A0407	Bandi Anusha	42	93.3
8	17Q61A0408	Boinpally Ananya	45	100
9	17Q61A0409	Bojadla Venkata Sairam	45	100
10	17Q61A0410	Bollarapu Akhila	45	100
11	17Q61A0411	Bommarathi Nagaraju	45	100
12	17Q61A0412	Busetty Laxman Kumar	0	0
13	17Q61A0413	Chappidi Srikanth Reddy	45	100
14	17Q61A0414	Cherviralla Sai Teja	45	100
15	17Q61A0415	Chinthapally Bindu	45	100
16	17Q61A0417	Deva Nithin	45	100
17	17Q61A0418	Dhude Bindu Priya	45	100
18	17Q61A0419	Dwaram Venkataramakrishna Reddy	45	100
19	17Q61A0420	Dyavarisetti Harika	42	93.3
20	17Q61A0421	Gaddam Pavan Kalyan Goud	45	100
21	17Q61A0422	Ganapuram Soumya	45	100
22	17Q61A0423	Gangadevi Shiva Prasad	45	100
23	17Q61A0424	Gangapuram Sai Vamshika Reddy	45	100
24	17Q61A0425	Gollapelly Nagendra	45	100
25	17Q61A0426	Gouni Varsha	45	100
26	17Q61A0427	Gourraju Narasimha	45	100
27	17Q61A0428	Gurram Dinesh Kumar	45	100
28	17Q61A0429	Gurram Niharika	42	93.3
29	17Q61A0430	Julakanti Sravanthi	45	100
30	17Q61A0431	K Girish	45	100
31	17Q61A0432	K Phanindra	45	100
32	17Q61A0433	K Sai Nikhil Reddy	45	100
33	17Q61A0434	Kakarla Baby Lakshmi Priyanka	45	100

34	17Q61A0436	Kalvakol Manasa	45	100
35	17Q61A0438	Kolan Mounika	45	100
36	17Q61A0439	Kunchakuri Sravani	45	100
37	17Q61A0440	Mamidala Nagaraju	45	100
38	17Q61A0441	Manchikanti Shravanthi	0	0
39	17Q61A0442	Mandaparupu Vijayender Reddy	45	100
40	17Q61A0443	Medipally Vandana	45	100
41	17Q61A0444	Moola Abhishek	45	100
42	17Q61A0445	Nagula Anusha Sree Reddy	45	100
43	17Q61A0446	Nallamala Jaswanth	42	93.3
44	17Q61A0447	Nandikonda Meghana	45	100
45	17Q61A0448	Neelakantam Venkatesh	45	100
46	17Q61A0449	P Anand	45	100
47	17Q61A0451	Panyala Rajaiahgari Supriya	45	100
48	17Q61A0452	Parishnaboina Mounika Goud	45	100
49	17Q61A0453	Patnam Ramya	45	100
50	17Q61A0455	Pothu Deepthi	45	100
51	17Q61A0457	Pupala Lakshman Kumar	45	100
52	17Q61A0458	Putchakatla Uday Kiran	0	0
53	17Q61A0459	Ramavath Vinod Naik	45	100
54	17Q61A0460	Shiva Sai Kulkarni	45	100
55	17Q61A0461	Sure Rahul Kumar Reddy	45	100
56	17Q61A0462	Thota Akhila	45	100
57	17Q61A0463	Vaddepally Charan Sagar	45	100
58	17Q61A0464	Vangala Spandana	45	100
59	17Q61A0465	Velagala Vanitha	45	100
60	17Q61A0466	Vinjamuri Naveen Kumar	0	0
61	17Q61A0467	Wepuri Vaishnavi	45	100
62	17Q61A0468	Yata Akshitha	45	100
63	17Q61A0469	Bukkapatnam Sai Taraka Ram	45	100
64	17Q61A0470	Cheruku Prudhvi	45	100
65	17Q61A0471	Desham Divya Goud	45	100
66	17Q61A0474	Gurram Sowmya	45	100
67	17Q61A0475	K Nikhil Reddy	45	100
68	17Q61A0476	Kadari Vinay	45	100
69	17Q61A0477	Kotla Harshavardhan	45	100
70	17Q61A0478	Laskari Vishal	45	100
71	17Q61A0479	Mallapagalla Kashinath	42	93.3
72	17Q61A0481	Pati Amalesh Reddy	45	100
73	17Q61A0482	Rangineni Abhinav Rao	45	100

74	17Q61A0483	Rudraram Keerthi	45	100
75	17Q61A0485	Venna Gopal Reddy	45	100
76	16Q61A0427	Gangineni Sai Kiran	45	100
77	16Q61A0449	Kothuri Saketh Ram	45	100
78	16Q61A0450	Kura Shiva Prasad	45	100
79	16Q61A04A4	Beeram Bhargav Reddy	45	100
80	16Q61A0448	Kotha Sri Sai Rohith	45	100
81	16Q61A0486	Saya Manish	45	100
82	16Q61A04B6	Yadlapalli Avinash	45	100
83	15Q61A0452	Maddela Aravind	42	93.3
84	15Q61A0472	Juthuka Manjularani	45	100
85	18Q65A0401	Amgoth Balakoti	45	100
86	18Q65A0402	Arkatala Bhargav Sai	45	100
87	18Q65A0403	Arukala Anilkumar	45	100
88	18Q65A0404	Bandari Bhagya	45	100
89	18Q65A0406	Byrampalli Shailaja	45	100
90	18Q65A0407	Chiluka Bharath	45	100
91	18Q65A0408	Gundala Naveen	45	100
92	18Q65A0409	Jakkula Pavan Kumar	45	100
93	18Q65A0410	Jella Vamshi Krishna	45	100
94	18Q65A0411	K Nandini	42	93.3
95	18Q65A0412	Kandukuri Phanideep	45	100
96	18Q65A0413	Konreddy Uday Krishna Reddy	45	100
97	18Q65A0414	Maktha Reshma	45	100
98	18Q65A0415	Mandali Jayasree	45	100
99	18Q65A0416	Mohammad Khaleel	42	93.3
100	18Q65A0417	Nakirekanti Sandeep	45	100
101	18Q65A0418	Nalla Sharath	45	100
102	18Q65A0419	Pannala Sai Kumar Reddy	45	100
103	18Q65A0420	Putta Mohan	45	100
104	18Q65A0421	Salluri Santhosh	45	100
105	18Q65A0422	Siddula Sai Teja	45	100
106	18Q65A0424	Yellanki Mounika	45	100
107	18Q65A0425	Dhondi Akhil	45	100
108	17Q65A0402	Akula Kiranmai	42	93.3
109	17Q65A0407	Battula Kasthuri	45	100
110	17Q65A0430	V Srilaxmi	45	100
111	17Q65A0409	Cherukupally Raju	45	100
112	17Q65A0411	Emmadi Deepa	45	100
113	17Q65A0412	Ganji Vamshi	45	100

114	16Q61A0467	Nerella Saikumar	45	100
115	16Q61A0468	Nimma Saikumar	45	100
116	16Q61A0475	Penta Sravan	45	100
117	16Q61A0452	M Ganga Reddy	45	100
118	15Q61A04C3	Ambati Manoj	0	0

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 25-02-2021

PROGRAM REPORT

Name of the value added course: Python Applications - Numpy and Pandas
Day/Duration: 45 Hours
Time: 10:00 Am to 01:00Pm
Resource Person: Mr.S.Jeevan Kumar, Subject Expert, Shellex Software Solutions Pvt Ltd.
Name of the Coordinator: Mr.J.Rajkumar.Assistant Professor
Number of the Participants: 112
Topics covered: The following topics covered in this program

- Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions
- Iteration, Strings, Files
- Lists, Dictionaries, Tuples, Regular Expressions
- Classes and objects, Classes and functions, Classes and methods
- Networked programs, Using Web Services, Using databases and SQLNumpy and Pandas

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Head of the Department
Electronics & Communication Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy District.

SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **A.SANTHOSH KUMAR** Bearing Reg.No **17Q61A0401** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

SHELLX SOFTWARE SOLUTIONS PVT. LTD. HYDERABAD

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Ranga Reddy Dist. Telangana

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Avanthi Institute of Engineering & Technology
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17-82/1, Sri Nagar Colony, Road No. 3,
Dilsukhnagar, Hyderabad - 500 060.
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info@shellx.in
www.shellx.in

SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **G.VARSHA** Bearing Reg.No **17Q61A0426** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

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Gunthapally (Vill), Abdullapur Met (Mdl),
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Dilsukhnagar, Hyderabad - 500 060.
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DEPARTMENT OF MECHANICAL ENGINEERING

AVIH/MECH/AOC/CIR/2020-2l/SEM/I/01 **Date: 01-09-2020**

CIRCULAR

This is to inform all the III B. Tech students that, the Department organizing a Value Added Course on **"Hands on Programmed on HVAC Systems "**. This course is scheduled for 06 Days which will take from 07-09-2020 to 12-09-2020. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.S.Upendar with Innovative Systems

HOD
Head of the Department
Mechanical Engineering
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Gunthapally (Vill), Abdullapur Met (Mdl),
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Notice Board
III B. Tech MECH students
Dept. file

ABOUT THE COURSE

This course provide a comprehensive understanding of HVAC systems and their applications in various industries. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

- To calculate direct, diffuse and reflected radiation as well as to understand clearly about various incident radiations related parameters.
- To calculate angle of incidence for horizontal, vertical and tilted surfaces such as walls.
- To compare and contrast the conventional cooling and heating load calculations.
- To understand the concept and application of various air heating systems as well as to make aware the various trouble shooting measures for common arising problems.
- To classify and contrast the various water heating systems based on piping arrangement and water circulation

EXPECTED OUTCOMES

- List the factors that impact the heating & cooling loads in buildings.
- Understand the internal and external cooling loads on a building by separating sensible and latent parts.
- Calculate the heating & cooling loads using CLTD/CLF method.
- Analyze the various HVAC systems available and selecting the most appropriate one.
- Choose appropriate air heating system for a particular location and application.
- Design an HVAC system for a residential or commercial building.

Resource Person	Co-ordinator
Mr.S.Upendar	Mr.G.Chandraiah
Subject Expert	Assistant Professor
Innovative Systems	Department of MECH

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Class starts from 07-09- 2020 to 12-09-2020 10:00 AM TO 4:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-ebyi

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ACCREDITED WITH GRADE B++ NAAC

HVAC

VALUE ADDED COURSE ON

"HANDS ON PROGRAMME ON HVAC SYSTEMS"

07th to 12th SEP ,2020

DURATION OF THE COURSE 30HRS

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally, Abdullapurmet (Mdl) R.R. Dist.

ORGANIZED BY :
DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMMED ON HVAC SYSTEMS**

VALUE ADDED COURSE SYLLABUS

B.TECH III YEAR-I SEM ACADEMIC YEAR 2020-21

Course Objectives:

- To calculate direct, diffuse and reflected radiation as well as to understand clearly about various incident radiations related parameters.
- To calculate angle of incidence for horizontal, vertical and tilted surfaces such as walls.
- To compare and contrast the conventional cooling and heating load calculations.
- To understand the concept and application of various air heating systems as well as to make aware the various trouble shooting measures for common arising problems.
- To classify and contrast the various water heating systems based on piping arrangement and water circulation.

Course Outcomes:

After completing this course, the student will be able to:

- List the factors that impact the heating & cooling loads in buildings.
- Understand the internal and external cooling loads on a building by separating sensible and latent parts.
- Calculate the heating & cooling loads using CLTD/CLF method.
- Analyze the various HVAC systems available and selecting the most appropriate one.
- Choose appropriate air heating system for a particular location and application.
- Design an HVAC system for a residential or commercial building.

Module 1: **Heat Transfer through Building Structures**: Building Survey, Periodic heat transfers through walls and roofs. Empirical methods to calculate heat transfer through walls and roofs; Heat gain through glass, calculation of solar heat gain through ordinary glass tables, shading devices, effect of shading devices. Equivalent temperature difference method, Thermal resistance of various building materials, Infiltration, stack effect, wind effect

Module 2: Heat Load Calculations: Winter heating load calculation, heat losses through structure, heat losses due to infiltration, Effects of solar radiation and internal heat sources on heating loads. Methods for estimating energy requirements for heating.

Module 3: HVAC System Design: Principles of HVAC system design and analysis; component and system selection criteria including room air distribution, fans and air circulation, humidifying and dehumidifying processes, piping and ducting design. Air quality standards. Control systems and techniques; operational economics. The engineering principles and key factors influencing the thermal environments and quantification of these factors, functional requirements of utilities, and the design of systems to local codes.

Module 4: Air conditioning systems: Ventilation Systems; Space Heating Systems; Automatic control; Commissioning, operation and maintenance; Introduction to HVAC & R analysis. Thermal equipment performance; Direct contact heat and mass transfer; Component modeling and simulation; Performance analysis and optimization of environmental plant systems. Part-load and year-round operation, system performance and operational problems; Ventilation systems: outdoor air control, ventilation effectiveness, ADPI, fan-duct network; filtration systems

Module 5: Systems: Primary and secondary water loops, constant and variable flow; System control: air side control, water side control; Energy requirement: cooling load profile, fan and pump power, system operation for energy effectiveness and heat recovery, chiller optimization. Thermal environment; Air quality; Energy conservation measures; Energy codes; Noise and vibration control.

Text Book:

1. HVAC Fundamentals Volume-l / James E. Brumbou / Audel / 4th Edition
2. Fundamentals of HVAC Systems / Robert Mcdowall / Academic Press / 2007
3. Home Heating & Air Conditioning systems / James Kittle / MGH
4. HVAC Fundamentals / Samuel C. Sugarman / Fairmont Press / 2005

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CO-ORDINATOR

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Head of the Department
Mechanical Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON HVAC SYSTEMS**

ACADEMIC YEAR 2020-21 **Date: 01-09-2020**

B.TECH III YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
07-09-2020	**Heat Transfer through Building Structures**: Building Survey, Periodic heat transfers through walls and roofs. Empirical methods to calculate heat transfer through walls and roofs; Heat gain through glass.	10:00 am to 04:00 pm	5 hours
08-09-2020	**Heat Load Calculations**: Winter heating load calculation, heat losses through structure, and heat losses due to infiltration..	10:00 am to 04:00 pm	5 hours
09-09-2020	**HVAC System Design**: Principles of HVAC system design and analysis; component and system selection criteria including room air distribution, fans and air circulation, humidifying and dehumidifying.	10:00 am to 04:00 pm	5 hours
10-09-2020	**Air conditioning systems**: Ventilation Systems; Space Heating Systems; Automatic control; Commissioning, operation and maintenance; Introduction to HVAC & R analysis.	10:00 am to 04:00 pm	5 hours
11-09-2020	**Systems:** Primary and secondary water loops, constant and variable flow; System	10:00 am to 04:00 pm	5 hours
12-09-2020	System operation for energy effectiveness and heat recovery, chiller optimization. Thermal environment; Air quality; Energy conservation measures; Energy codes; Noise and vibration control.		
			Total – 30 Hours

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Ranga Reddy District.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON HVAC SYSTEMS**

III YEAR I–SEM ENROLLED STUDENTS LIST Date: 07-09-2020 to 12-09-2020

S.No	Roll Number	Name of The Student
1	18Q61A0301	Gollapally Uday Kiran
2	18Q61A0302	Johns Jobin
3	18Q61A0303	Komma Pranay
4	18Q61A0304	Nampally Naresh
5	18Q61A0305	Vanguri Vijaykumar
6	18Q61A0306	Joshi Anirudh Chary
7	18Q61A0307	R Sachin
8	18Q61A0308	Naveen Kumar
9	19Q65A0301	Bhukya Vishnu Vardhan
10	19Q65A0302	Byagari Mounika
11	19Q65A0303	Chette Nagaraju
12	19Q65A0304	Damera Kalyani
13	19Q65A0305	G Sumana
14	19Q65A0306	Gyara Avinash
15	19Q65A0307	Ileni Ramya
16	19Q65A0308	Kasi Tharunteja
17	19Q65A0309	Lakavath Devaraj
18	19Q65A0310	Macha Praveen Kumar
19	19Q65A0311	Mandula Sravan Kumar
20	19Q65A0312	Ramavath Kumar

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Ranga Reddy District.



The students of III year B.Tech certificate program attending "Hands on Programmed on HVAC Systems" by Mr.S.Upendar assistant professor

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON HVAC SYSTEMS**

III YEAR I–SEM **A.Y 2020-2021** **Date: 01-09-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	07.09.20	08.09.20	09.09.20	10.09.20	11.09.20	12.09.20
1	18Q61A0301	Gollapally Uday Kiran	P	P	P	P	P	P
2	18Q61A0302	Johns Jobin	P	P	P	P	P	P
3	18Q61A0303	Komma Pranay	P	P	P	P	P	P
4	18Q61A0304	Nampally Naresh	P	P	P	P	P	P
5	18Q61A0305	Vanguri Vijaykumar	P	P	P	P	P	P
6	18Q61A0306	Joshi Anirudh Chary	P	P	A	P	P	P
7	18Q61A0307	R Sachin	P	P	P	P	P	P
8	18Q61A0308	Naveen Kumar	P	P	P	P	P	P
9	19Q65A0301	Bhukya Vishnu Vardhan	P	P	P	P	P	P
10	19Q65A0302	Byagari Mounika	A	P	P	P	P	P
11	19Q65A0303	Chette Nagaraju	P	P	P	P	P	P
12	19Q65A0304	Damera Kalyani	P	P	P	P	P	P
13	19Q65A0305	G Sumana	P	P	P	P	P	P
14	19Q65A0306	Gyara Avinash	P	P	P	P	P	P
15	19Q65A0307	Ileni Ramya	P	P	P	A	P	P
16	19Q65A0308	Kasi Tharunteja	P	P	P	P	P	P
17	19Q65A0309	Lakavath Devaraj	P	P	P	P	P	P
18	19Q65A0310	Macha Praveen Kumar	P	P	P	P	P	P
19	19Q65A0311	Mandula Sravan Kumar	P	P	P	P	P	P
20	19Q65A0312	Ramavath Kumar	P	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON HVAC SYSTEMS**

III YEAR I–SEM **A.Y 2020-21** **Date: 07-09-2020 to 12-09-2020**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0301	Gollapally Uday Kiran	30	100
2	18Q61A0302	Johns Jobin	30	100
3	18Q61A0303	Komma Pranay	30	100
4	18Q61A0304	Nampally Naresh	30	100
5	18Q61A0305	Vanguri Vijaykumar	30	100
6	18Q61A0306	Joshi Anirudh Chary	25	83.3
7	18Q61A0307	R Sachin	30	100
8	18Q61A0308	Naveen Kumar	30	100
9	19Q65A0301	Bhukya Vishnu Vardhan	30	100
10	19Q65A0302	Byagari Mounika	25	83.3
11	19Q65A0303	Chette Nagaraju	30	100
12	19Q65A0304	Damera Kalyani	30	100
13	19Q65A0305	G Sumana	30	100
14	19Q65A0306	Gyara Avinash	30	100
15	19Q65A0307	Ileni Ramya	25	83.3
16	19Q65A0308	Kasi Tharunteja	30	100
17	19Q65A0309	Lakavath Devaraj	30	100
18	19Q65A0310	Macha Praveen Kumar	30	100
19	19Q65A0311	Mandula Sravan Kumar	30	100
20	19Q65A0312	Ramavath Kumar	30	100

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 18-09-2020

PROGRAM REPORT

Name of the value added course: Hands on Programmed on HVAC Systems
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.S.Upendar, Subject Expert, Innovative Systems

Name of the Coordinator: Mr.G.Chandraiah Assistant Professor

Number of the Participants: 30
Topics covered: The following topics covered in this program

- Heat Transfer through Building Structures
- Heat Load Calculations
- HVAC System Design
- Air conditioning systems
- Systems: Primary and secondary water loops, constant and variable flow; System control: air side control, water side control

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Head of the Departme
Mechanical Engineerin
Avanthi Institute of Engineering & Tech
Gunthapally (Vill), Abdullapur Met
Ranga Reddy District.

Innovative Systems

Towards Quality Service

E-mail: innovative_systems@rediffmail.com

H. No.1-7-202, South Kamalanagar,
E.C.I.L. Post, Hyderabad - 500062

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms.**J.JOBIN** Bearing Reg.No **18Q61A0302** is participated in **"HANDS ON PROGRAMME ON HVAC SYSTEMS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmet, Rangareddy, in Association with **'INNOVATIVE SYSTEMS'.** from **07/09/2020** to **12/09/2020**.

Head of the Department
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Ranga Reddy District.

Sd/-
Authorised Signatory
M/s Innovative Systems

PRINCIPAL
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Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Innovative Systems

Towards Quality Service

E-mail: innovative_systems@rediffmail.com

H. No.1-7-202, South Kamalanagar,
E.C.I.L. Post, Hyderabad - 500062

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms.**RAMAVATH KUMAR** Bearing Reg.No **19Q65A0312** is participated in **"HANDS ON PROGRAMME ON HVAC SYSTEMS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmet, Rangareddy, in Association with **'INNOVATIVE SYSTEMS'.** from **07/09/2020** to **12/09/2020**.

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Ranga Reddy District.

Sd/-
Authorised Signatory
M/s Innovative Systems

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DEPARTMENT OF MECHANICAL ENGINEERING

AVIH/MECH/AOC/CIR/2020-2l/SEM/I/02 **Date: 04-11-2020**

CIRCULAR

This is to inform all the III B. Tech students that, the Department organizing an Value Added Course on **"UNCONVENTIONAL MACHINING PROCESSES "**. Department Advisory Committee has been identified **Mr.A.Shankar Assistant Professor** in Mech as a resource person for this course. This course is scheduled for 06 days which will take place from 09-11-2020 to 14-11-2020 in online mode through Google Meet.

HOD

Head of the Department
Mechanical Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
III B. Tech MECH students
Dept. file

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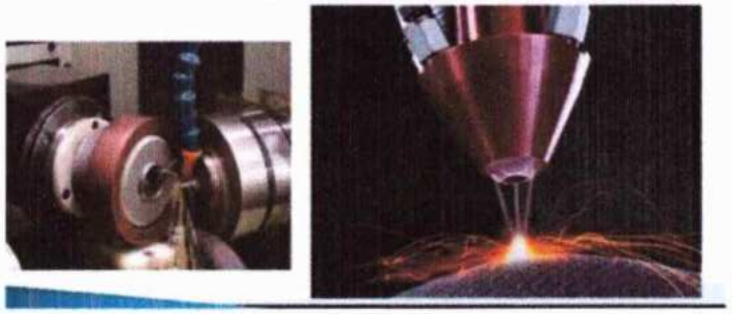
UNCONVENTIONAL MACHINING PROCESS



VALUE ADDED COURSE ON

"UNCONVENTIONAL MACHINING PROSESSES"

09th to 14th NOV ,2020

DURATION OF THE COURSE 30HRS

ORGANIZED BY :
DEPARTMENT OF MECHANICAL ENGINEERING



ABOUT THE COURSE

This course provide a comprehensive understanding of Unconventional Machining Processes and their applications in various industries. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

- To learn about the various unconventional machining process.
- To study about the process parameters of various UCM process.
- To learn about the influence of process parameters on the performance of machining.
- To study about the various applications involved in UCM process

EXPECTED OUTCOMES

- List the factors that impact the heating & cooling loads in buildings.
- Understand the internal and external cooling loads on a building by separating sensible and latent parts.
- Calculate the heating & cooling loads using CLTD/CLF method.
- Analyze the various HVAC systems available and selecting the most appropriate one.
- Choose appropriate air heating system for a particular location and application.
- Design an HVAC system for a residential or commercial building.

PRINCIPAL
Avanthi Institute of Engg. & Tech.

Resource Person
Mr.A.Shankar,
Assistant Professor
Department of MECH

Co-ordinator :
Mr.M.Venkatesh
Assistant Professor
Department of MECH

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGndwqzohdN8CEmWLg/viewform

Class starts from 09-11- 2020 to 14-11-2020 10:00 AM TO 4:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-ksiKLEisdik

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **UNCONVENTIONAL MACHINING PROCESSES**

VALUE ADDED COURSE SYLLABUS

B.TECH III YEAR-I SEM ACADEMIC YEAR 2020-21

Course Objectives:

- To learn about the various unconventional machining process.
- To study about the process parameters of various UCM process.
- To learn about the influence of process parameters on the performance of machining.
- To study about the various applications involved in UCM process

Course Outcomes:

After completing this course, the student will be able to:

- List the factors that impact the heating & cooling loads in buildings.
- Understand the internal and external cooling loads on a building by separating sensible and latent parts.
- Calculate the heating & cooling loads using CLTD/CLF method.
- Analyze the various HVAC systems available and selecting the most appropriate one.
- Choose appropriate air heating system for a particular location and application.
- Design an HVAC system for a residential or commercial building.

UNIT – 1 INTRODUCTION: Introduction to the subject Unconventional Machining process – about Need for unconventional machining processes Classification of Unconventional Machining Processes Brief overview of Unconventional Machining Process.

UNIT – 2 MECHANICAL ENERGY BASED PROCESSES : Abrasive Jet Machining (AJM) – Introduction, principle AJM – Construction and Working AJM – Process Parameters and Applications Water jet machining (WJM) – Introduction, Principle WJM – Construction and Working WJM – Process parameters and Application Ultrasonic Machining process (USM) – Introduction, principle USM – Construction and Working USM – Process Parameters and Application.

UNIT – 3 ELECTRICAL ENERGY BASED PROCESSES: Electric discharge machining (EDM) – Introduction, Principle EDM – Construction and Working EDM – Power Circuits, Dielectric Fluid EDM – Process Parameters Applications Wire Cut EDM (WC EDM) – Introduction and Principle WC EDM – Construction and Working WC EDM – Process Parameter and Application Comparison of Electrical Energy Based Processes.

UNIT – 4 CHEMICAL AND ELECTROCHEMICAL ENERGY BASED PROCESSES: Introduction, Principle of Chemical Machining (CHM) , CHM-Construction and Working, CHM –Etchants and Mask ants, CHM –Advantages and Limitations ,Electro Chemical

Machining (ECM)- Introduction, Principle, Construction and Working, ECM-Machine Tool, MRR, ECM-Application, Advantages and Limitations, Electro Chemical Grinding (ECG) - Introduction, Principle, Construction, Working and applications, ECG- Process Parameters and Applications of ECH.

UNIT – 5 MANUFACTURE OF PLASTIC COMPONENTS: Laser Beam Machining (LBM)- Introduction, Principle, Construction and Working, Process Characteristics application and Plasma Arc Machining (PAM)- Introduction, Principle, PAM- Construction and Working, Process Parameter and application Electron Beam Machining (EBM)- Introduction, Principle, Construction and Working, Process Parameter and applications Comparison of thermal Energy Based Processes , Comparison of all advanced machining Methods .

Text Book:

1. Vijay K. Jain, "Advanced Machining Processes", Allied Publishers Private Ltd. (2014)
2. Pandey P.C. and Shan H.S. "Modern machining Processes" Tata McGraw-Hill, new Delhi, 2007
3. S. Senthil, "Unconventional Machining Processes" ARS Publications

Reference Books:

1. Benedict. G.F. "Non Traditional Manufacturing processes", Marcel Dekker Inc., new York, 1987

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **UNCONVENTIONAL MACHINING PROCESSES**

ACADEMIC YEAR 2020-21 **Date: 04-11-2020**

B.TECH III YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
09-11-2020	**INTRODUCTION**: Introduction to the subject Unconventional Machining process – about Need for unconventional machining processes Classification of Unconventional Machining	10:00 am to 04:00 pm	5 hours
10-11-2020	Abrasive Jet Machining (AJM) – Introduction, principle AJM – Construction and Working AJM – Process Parameters and Applications.	10:00 am to 04:00 pm	5 hours
11-11-2020	Electric discharge machining (EDM) – Introduction, Principle EDM – Construction and Working EDM – Power Circuits, and Dielectric Fluid EDM	10:00 am to 04:00 pm	5 hours
12-11-2020	Introduction, Principle of Chemical Machining (CHM) , CHM-Construction and Working,	10:00 am to 04:00 pm	5 hours
13-11-2020	Laser Beam Machining (LBM)-Introduction, Principle, Construction and Working, Process Characteristics application.	10:00 am to 04:00 pm	5 hours
14-11-2020	Principle, Construction and Working, Process Parameter and applications Comparison of thermal Energy Based	10:00 am to 04:00 pm	5 hours
		Total – 30 Hours	

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Gunthapally (V), Abdullapurmet (Md), R.R. Dist.

HOD

Head of the Department
Mechanical Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Md),
Ranga Reddy District.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **UNCONVENTIONAL MACHINING PROCESSES**

III YEAR I–SEM ENROLLED STUDENTS LIST Date: 09-11-2020 to 14-11-2020

S.No	Roll Number	Name of The Student
1	19Q65A0313	Rangu Vijay
2	19Q65A0314	Sadarla Sanjay Joel
3	19Q65A0315	Tattri Mallikarjun
4	19Q65A0316	Voggu Meghana
5	19Q65A0317	Addala Rajesh Balu
6	19Q65A0318	Akula Shashi Preetham
7	19Q65A0319	Akula Uuday
8	19Q65A0320	Bapanipally Diwakar
9	19Q65A0321	Bareddy Narayana Reddy
10	19Q65A0322	Beesa Naveen
11	19Q65A0323	Bheemanaboina Renuka
12	19Q65A0324	Bhukya Kalyan
13	19Q65A0325	Boya Rajashekar
14	19Q65A0326	Chandragiri Manishankar
15	19Q65A0327	Chetty Vikas
16	19Q65A0328	Dayyala Vidyasagar
17	19Q65A0329	Dharani Naresh
18	19Q65A0330	Gandham Pavankalyan
19	19Q65A0331	Gattu Poojitha
20	19Q65A0332	Govvala Vijay Kumar

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The students of III year B.TECH certificate program attending "UNCONVENTIONAL MACHINING PROCESSES" by Mr.A.Shankar assistant professor.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **UNCONVENTIONAL MACHINING PROCESSES**

III YEAR I–SEM **A.Y 2020-2021** **Date: 04-11-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	09.11.20	10.11.20	11.11.20	12.11.20	13.11.20	14.11.20
1	19Q65A0313	Rangu Vijay	P	P	P	P	P	P
2	19Q65A0314	Sadarla Sanjay Joel	P	P	P	P	P	P
3	19Q65A0315	Tattri Mallikarjun	P	A	P	P	P	P
4	19Q65A0316	Voggu Meghana	P	P	P	P	P	P
5	19Q65A0317	Addala Rajesh Balu	P	P	P	P	P	P
6	19Q65A0318	Akula Shashi Preetham	P	P	P	P	P	P
7	19Q65A0319	Akula Uuday	P	P	P	P	P	P
8	19Q65A0320	Bapanipally Diwakar	P	P	A	P	P	P
9	19Q65A0321	Bareddy Narayana Reddy	P	P	P	P	P	P
10	19Q65A0322	Beesa Naveen	P	P	P	P	P	P
11	19Q65A0323	Bheemanaboina Renuka	P	P	P	P	P	P
12	19Q65A0324	Bhukya Kalyan	P	P	P	P	P	P
13	19Q65A0325	Boya Rajashekar	P	P	P	P	P	P
14	19Q65A0326	Chandragiri Manishankar	P	P	P	P	P	P
15	19Q65A0327	Chetty Vikas	P	P	A	P	P	P
16	19Q65A0328	Dayyala Vidyasagar	P	P	P	P	P	P
17	19Q65A0329	Dharani Naresh	P	P	P	P	P	P
18	19Q65A0330	Gandham Pavankalyan	P	P	P	P	P	P
19	19Q65A0331	Gattu Poojitha	P	P	P	P	P	P
20	19Q65A0332	Govvala Vijay Kumar	P	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **UNCONVENTIONAL MACHINING PROCESSES**

III YEAR I–SEM **A.Y 2020-21** **Date: 09-11-2020 to 14-11-2020**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q65A0313	Rangu Vijay	30	100
2	19Q65A0314	Sadarla Sanjay Joel	30	100
3	19Q65A0315	Tattri Mallikarjun	25	83.3
4	19Q65A0316	Voggu Meghana	30	100
5	19Q65A0317	Addala Rajesh Balu	30	100
6	19Q65A0318	Akula Shashi Preetham	30	100
7	19Q65A0319	Akula Uuday	30	100
8	19Q65A0320	Bapanipally Diwakar	25	83.3
9	19Q65A0321	Bareddy Narayana Reddy	30	100
10	19Q65A0322	Beesa Naveen	30	100
11	19Q65A0323	Bheemanaboina Renuka	30	100
12	19Q65A0324	Bhukya Kalyan	30	100
13	19Q65A0325	Boya Rajashekar	30	100
14	19Q65A0326	Chandragiri Manishankar	30	100
15	19Q65A0327	Chetty Vikas	25	83.3
16	19Q65A0328	Dayyala Vidyasagar	30	100
17	19Q65A0329	Dharani Naresh	30	100
18	19Q65A0330	Gandham Pavankalyan	30	100
19	19Q65A0331	Gattu Poojitha	30	100
20	19Q65A0332	Govvala Vijay Kumar	30	100

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **R.VIJAY** Bearing roll number **19Q65A0313** from the department of **Mechanical Engineering** completed the value added course on "**UNCONVENTIONAL MACHINING PROCESSES**" During the year **2020-21**.

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Co-Ordinator

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Principal

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.POOJITHA** Bearing roll number **19Q65A0331** from the department of **Mechanical Engineering** completed the value added course on "**UNCONVENTIONAL MACHINING PROCESSES**" During the year **2020-21**.

Head of the Department
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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 20-11-2020

PROGRAM REPORT

Name of the value added course: Unconventional Machining Processes
Day/Duration: 6 Days (30 Hours)
Time: 10:00 am to 04:00 pm
Resource Person: Mr.A.Shankar Assistant Professor
Name of the Coordinator: Mr.M.Venkatesh, Assistant Professor
Number of the Participants: 20
Topics covered: The following topics covered in this program

- Introduction to the subject Unconventional Machining process – about Need for unconventional machining.
- Mechanical Energy Based Processes.
- Electric Discharge Machining (EDM)–Introduction, Principle EDM – Construction and Working.
- Chemical and Electrochemical Energy Based Processes.
- Manufacture of Plastic Components.

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DEPARTMENT OF MECHANICAL ENGINEERING

AVIH/MECH/AOC/CIR/2020-2I/SEM/II/01 **Date: 01-04-2021**

CIRCULAR

This is to inform all the II B. Tech students that, the Department organizing an Value Added Course on **"INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES"**. Department Advisory Committee has been identified **Dr.A.Siva Kumar Professor**, **Department of Mech**. as a resource person for this course. This course is scheduled for 06 days which will take place from 05-04-2021 to 10-04-2021 in online mode through Google Meet.

HOD

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Mechanical Engineering
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Copy to:

The principal, for kind information
IQAC
Notice Board
II B. Tech MECH students
Dept. file

ABOUT THE COURSE

This course provide a comprehensive understanding of composite materials and their applications in various industries. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

- The course objectives are to train students to be able to design composite structures, select composite materials.
- To Conduct stress analyses of selected practical applications using laminated plate theories and appropriate strength criteria, and be familiar with the properties.
- The response of composite structures subjected to mechanical loading under static and cyclic conditions.

EXPECTED OUTCOMES

- Explain the advantages and applications of composite materials.
- Describe the properties of various reinforcements of composite materials.
- Summarize the manufacture of metal matrix, ceramic matrix and C-C composites.
- Describe the manufacture of polymer matrix composites.
- Formulate the failure theories of composite materials.

Resource Person
Dr.A.Siva Kumar
Professor
Department of MECH

Co-ordinator
Mr.V.Vamshikrishna
Assistant Professor
Department of MECH

PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally(V), Abdullapurmet (Md), R.R. Dist.

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIIherwqaDpyg/viewform

Class starts from 05-04- 2021 to 10-04-2021 10:00 AM TO 4:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-kI-qwei

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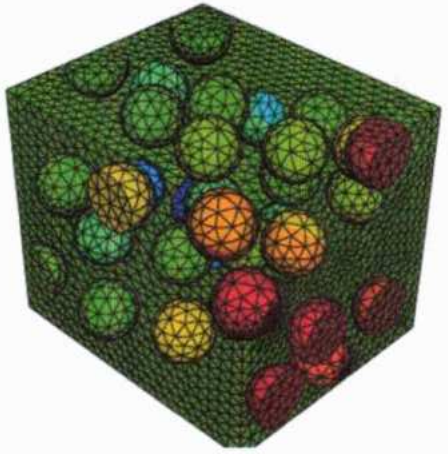

VALUE ADDED COURSE ON

"INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES"

05th to 10th APR ,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :
DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES**

VALUE ADDED COURSE SYLLABUS

B.TECH II YEAR-II SEM ACADEMIC YEAR 2020-21

Course objectives:

- The course objectives are to train students to be able to design composite structures, select composite materials.
- To Conduct stress analyses of selected practical applications using laminated plate theories and appropriate strength criteria, and be familiar with the properties.
- The response of composite structures subjected to mechanical loading under static and cyclic conditions.

Course outcomes:

- Explain the advantages and applications of composite materials.
- Describe the properties of various reinforcements of composite materials.
- Summarize the manufacture of metal matrix, ceramic matrix and C-C composites.
- Describe the manufacture of polymer matrix composites.
- Formulate the failure theories of composite materials.

UNIT-I.

Introduction: Definition – Classification and characteristics of Composite materials. Advantages and application of composites. Functional requirements of reinforcement and matrix. Effect of reinforcement (size, shape, distribution, volume fraction) on overall composite performance.

UNIT-II

Reinforcements: Preparation-layup, curing, properties and applications of glass fibers, carbon fibers, Kevlar fibers and Boron fibers. Properties and applications of whiskers, particle reinforcements. Mechanical Behavior of composites: Rule of mixtures, Inverse rule of mixtures. Iso-strain and iso-stress conditions.

UNIT-III

Manufacturing of Metal Matrix Composites: Casting – Solid State diffusion technique, Cladding – Hot isostatic is pressing. Properties and applications. Manufacturing of Ceramic Matrix Composites: Liquid Metal Infiltration – Liquid phase sintering. Manufacturing of Carbon – Carbon composites: Knitting, Braiding, Weaving. Properties and applications.

UNIT-IV Manufacturing of Polymer Matrix Composites: Preparation of Molding compounds and prepress – hand layup method – Autoclave method – Filament winding method – Compression molding – Reaction injection molding. Properties and applications.

UNIT-V

Strength: Laminar Failure Criteria-strength ratio, maximum stress criteria, maximum strain criteria, interacting failure criteria, hydrothermal failure. Laminate first play failure-insight strength; Laminate strength-ply discount truncated maximum strain criterion; strength design using caplet plots; stress concentrations

TEXT BOOKS:

1. R.W.Cahn, Material Science and Technology – Vol 13 – Composites, West Germany, 1994.
2. WD Callister, Jr., Adapted by R. Balasubramaniam, Materials Science and Engineering, John Wiley & Sons, NY, Indian edition, 2007.

REFERENCE BOOKS:

1. K.K.Chawla, Composite Materials, 3rd Edition, springer, 2012.
2. Deborah D.L. Chung, Composite Materials Science and Applications, 2nd Edition, springer, 2010.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES**

ACADEMIC YEAR 2020-21 **Date: 01-04-2021**

B.TECH II YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
05-04-2021	Introduction: Definition – Classification and characteristics of Composite materials. Advantages and application of composites.	10:00 am to 04:00 pm	5 hours
06-04-2021	Reinforcements: Preparation-layup, curing, properties and applications of glass fibers, carbon fibers, Kevlar fibers and Boron fibers. Properties and applications of work.	10:00 am to 04:00 pm	5 hours
07-04-2021	Manufacturing of Metal Matrix Composites: Casting – Solid State diffusion technique, Cladding – Hot isostatic is pressing. Properties and applications.	10:00 am to 04:00 pm	5 hours
08-04-2021	Manufacturing of Polymer Matrix Composites: Preparation of Molding compounds and prepress – hand layup method – Autoclave method – Filament.	10:00 am to 04:00 pm	5 hours
09-04-2021	Strength: Laminar Failure Criteria-strength ratio, maximum stress criteria, maximum strain criteria, interacting failure criteria, hydrothermal failure.	10:00 am to 04:00 pm	5 hours
10-04-2021	strength design using caplet plots; stress concentrations	10:00 am to 04:00 pm	5 hours
			Total – 30 hours

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES**

II YEAR II–SEM ENROLLED STUDENTS LIST Date: 05-04-2021 to 10-04-2021

S.No	Roll Number	Name of The Student
1	19Q61A0301	Gurthula Rakesh
2	19Q61A0302	Kornu Venkatesh
3	19Q61A0303	Kothur Tharun
4	19Q61A0304	Kusa Anil Kumar
5	19Q61A0305	Lavudya Rambabu
6	19Q61A0306	Munjam Saikiran
7	19Q61A0307	Pilli Venkat
8	19Q61A0308	Jinna Srinivas
9	19Q61A0309	Parne Bheemarjunreddy
10	20Q65A0301	Adhikoppula Rohith Kumar
11	20Q65A0302	Dobbala Santhosh Kumar
12	20Q65A0303	Mule Keerthana
13	20Q65A0304	Supriya Endoori
14	20Q65A0305	Suthralavamshikrishna
15	20Q65A0306	V.Pavan Kumar
16	20Q65A0307	A Anand
17	20Q65A0308	Annareddy Ganesh
18	20Q65A0309	Chennagari Sanjaygoud
19	20Q65A0310	Gorla Naveen
20	20Q65A0311	Jadhav Sopan
21	20Q65A0312	Jogu Raju
22	20Q65A0313	Kankurthe Naresh
23	20Q65A0314	Kethavath Nitish Kumar
24	20Q65A0315	M Sai Kumar
25	20Q65A0316	Marru Tharun
26	20Q65A0317	Pagadala Srilekha

27	20Q65A0318	Ramavath Mathru
28	20Q65A0319	Sabhavatsainaik
29	20Q65A0320	Sampangi Surya Kiran
30	20Q65A0321	Somala Gouthami
31	20Q65A0322	Sopparwar Manesh
32	20Q65A0323	Yedla Venu Gopala Krishna
33	20Q65A0324	V Kiran Kumar

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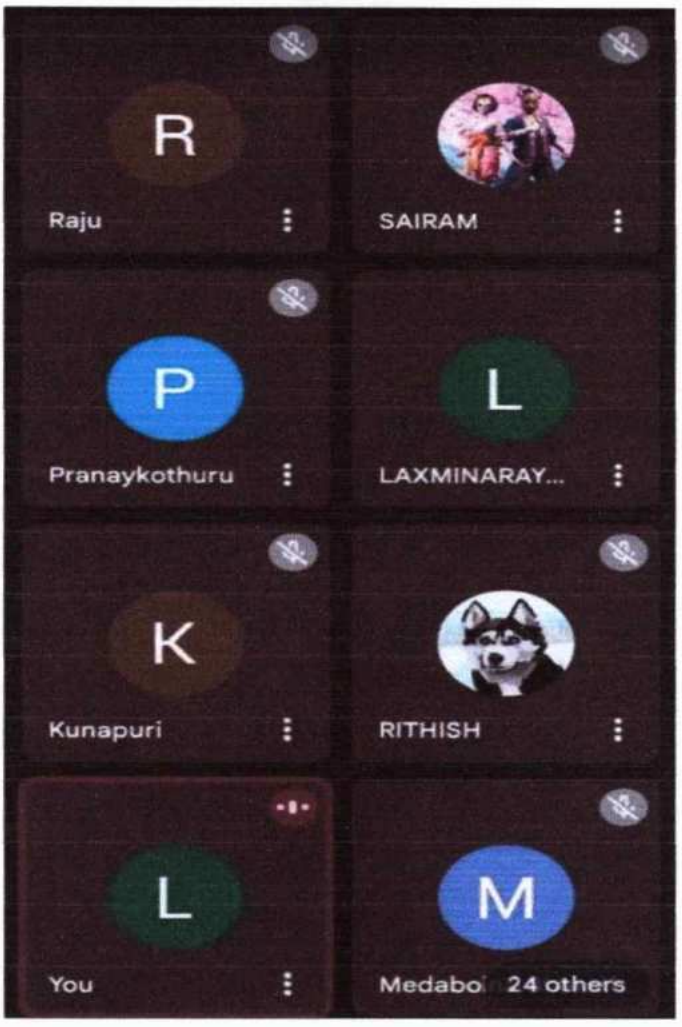
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.



The students of II year B.Tech certificate program attending "INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES" by Dr.A.Siva Kumar Professor.

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HOD
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Ranga Reddy District.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES**

II YEAR II–SEM **A.Y 2020-2021** **Date: 01-04-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	05.04.21	06.04.21	07.04.21	08.04.21	09.04.21.	10.04.21
1	19Q61A0301	Gurthula Rakesh	P	P	P	P	P	P
2	19Q61A0302	Kornu Venkatesh	P	P	P	P	P	P
3	19Q61A0303	Kothur Tharun	A	A	A	A	A	A
4	19Q61A0304	Kusa Anil Kumar	P	P	P	P	P	P
5	19Q61A0305	Lavudya Rambabu	P	P	P	P	P	P
6	19Q61A0306	Munjam Saikiran	P	P	A	P	P	P
7	19Q61A0307	Pilli Venkat	P	P	P	P	P	P
8	19Q61A0308	Jinna Srinivas	P	P	P	P	P	P
9	19Q61A0309	Parne Bheemarjunreddy	P	P	P	P	P	P
10	20Q65A0301	Adhikoppula Rohith Kumar	A	A	A	A	A	A
11	20Q65A0302	Dobbala Santhosh Kumar	P	P	P	P	P	P
12	20Q65A0303	Mule Keerthana	P	P	P	P	P	P
13	20Q65A0304	Supriya Endoori	P	P	P	P	P	P
14	20Q65A0305	Suthralavamshikrishna	P	P	P	P	P	P
15	20Q65A0306	V.Pavan Kumar	A	A	A	A	A	A
16	20Q65A0307	A Anand	P	P	P	P	P	P
17	20Q65A0308	Annareddy Ganesh	P	P	P	P	P	P
18	20Q65A0309	Chennagari Sanjaygoud	P	A	P	P	P	P
19	20Q65A0310	Gorla Naveen	P	P	P	P	P	P
20	20Q65A0311	Jadhav Sopan	P	P	P	P	P	P
21	20Q65A0312	Jogu Raju	P	P	A	P	P	P
22	20Q65A0313	Kankurthe Naresh	P	P	P	P	P	P
23	20Q65A0314	Kethavath Nitish Kumar	A	P	P	P	P	P
24	20Q65A0315	M Sai Kumar	P	P	P	P	P	P
25	20Q65A0316	Marru Tharun	P	P	P	P	P	P
26	20Q65A0317	Pagadala Srilekha	P	P	P	P	P	P
27	20Q65A0318	Ramavath Mathru	P	P	P	P	P	P
28	20Q65A0319	Sabhavatsainaik	P	P	P	P	P	P
29	20Q65A0320	Sampangi Surya Kiran	P	P	P	P	P	P

30	20Q65A0321	Somala Gouthami	P	P	P	P	P	P
31	20Q65A0322	Sopparwar Manesh	P	P	A	P	P	P
32	20Q65A0323	Yedla Venu Gopala Krishna	P	P	P	P	P	P
33	20Q65A0324	V Kiran Kumar	A	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES**

II YEAR II–SEM **A.Y 2020-21** **Date: 05-04-2021 to 10-04-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0301	Gurthula Rakesh	30	100
2	19Q61A0302	Kornu Venkatesh	30	100
3	19Q61A0303	Kothur Tharun	0	0
4	19Q61A0304	Kusa Anil Kumar	30	100
5	19Q61A0305	Lavudya Rambabu	30	100
6	19Q61A0306	Munjam Saikiran	25	83.3
7	19Q61A0307	Pilli Venkat	30	100
8	19Q61A0308	Jinna Srinivas	30	100
9	19Q61A0309	Parne Bheemarjunreddy	30	100
10	20Q65A0301	Adhikoppula Rohith Kumar	0	0
11	20Q65A0302	Dobbala Santhosh Kumar	30	100
12	20Q65A0303	Mule Keerthana	30	100
13	20Q65A0304	Supriya Endoori	30	100
14	20Q65A0305	Suthralavamshikrishna	30	100
15	20Q65A0306	V.Pavan Kumar	0	0
16	20Q65A0307	A Anand	30	100
17	20Q65A0308	Annareddy Ganesh	30	100
18	20Q65A0309	Chennagari Sanjaygoud	25	83.3
19	20Q65A0310	Gorla Naveen	30	100
20	20Q65A0311	Jadhav Sopan	30	100
21	20Q65A0312	Jogu Raju	25	83.3
22	20Q65A0313	Kankurthe Naresh	30	100
23	20Q65A0314	Kethavath Nitish Kumar	25	83.3
24	20Q65A0315	M Sai Kumar	30	100
25	20Q65A0316	Marru Tharun	30	100
26	20Q65A0317	Pagadala Srilekha	30	100

27	20Q65A0318	Ramavath Mathru	30	100
28	20Q65A0319	Sabhavatsainaik	30	100
29	20Q65A0320	Sampangi Surya Kiran	30	100
30	20Q65A0321	Somala Gouthami	30	100
31	20Q65A0322	Sopparwar Manesh	25	83.3
32	20Q65A0323	Yedla Venu Gopala Krishna	30	100
33	20Q65A0324	V Kiran Kumar	25	83.3

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 15-04-2021

PROGRAM REPORT

Name of the value added course: Introduction to Composite Materials and Its Application in Industries
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Dr.A.Siva Kumar Professor
Name of the Coordinator: Mr.V.Vamshikrishna Assistant Professor
Number of the Participants: 30
Topics covered: The following topics covered in this program

- Classification and characteristics of Composite materials.
- Preparation-layup, curing, properties and applications of glass fibers.
- Manufacturing of Metal Matrix Composites.
- Manufacturing of Polymer Matrix Composites.
- Strength: Laminar Failure Criteria-strength ratio.

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.RAKESH** Bearing roll number **19Q61A0301** from the department of **Mechanical Engineering** completed the value added course on **"INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES"** During the year **2020-21.**

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **R.MATHRU** Bearing roll number **20Q65A0318** from the department of **Mechanical Engineering** completed the value added course on **"INTRODUCTION TO COMPOSITE MATERIALS AND ITS APPLICATION IN INDUSTRIES"** During the year **2020-21.**

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DEPARTMENT OF MECHANICAL ENGINEERING

AVIH/MECH/AOC/CIR/2020-2l/SEM/II/02 **Date: 20-04-2021**

CIRCULAR

This is to inform all the III Year students that, the Department organizing a Value Added Course on "**Hands on Programmed on CATIA** ". This course is scheduled for 06 Days which will take from 26-04-2021 to 01-05-2021. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Dr.G.Seetharam Professor, Department of Mech with Pallavi Engineering College.

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Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
III Year Mech Students
Dept. file

ABOUT THE COURSE

This course provide a comprehensive understanding of CATIA and its applications in various industries. They cover both theoretical concepts and practical applications, making them suitable for anyone interested in learning more about this field.

COURSE OBJECTIVES

- To be able to understand and handle design problems in a systematic manner.
- The aim of this program is to provide participants with a broad exposure to the applications of Catia in the field of 3D modeling.
- The Objective of this workshop is to enhance the designing and modeling skill of its participants
- To be able to apply CAD in real life applications.
- To be understand the basic principles of different types of analysis using CATIA, Hyper mesh, CREO.

EXPECTED OUTCOMES

- To understand the analysis of various aspects in of manufacturing design.
- Upon completion of this course, the participants would be better equipped.
- To play the role of mentor and guide in the area of 3D Modeling and Simulation of design works.

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ACCREDITED WITH GRADE B++ NAAC

CATIA

VALUE ADDED COURSE ON

"HANDS ON PROGRAMME ON CATIA"

26th APR to 01st MAY ,2021

DURATION OF THE COURSE 30HRS

Resource Person
Dr.G.Seetharam
Professor
Subject Expert
Pallavi Engineering college

Co-ordinator
Mr.R.V.Prahlad
Assistant Professor
Department of MECH

PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIpQLZakrewQux48PqpeXricGE72AH-HYQWxi3nL6ulJOIEX2ADId2pyg/viewform

Class starts from 26-04- 2021 to 01-05-2021 10:00 AM TO 4:00 PM

Google Meet Link: https://meet.google.com/vat-xvoh-eiboirsqysi

ORGANIZED BY :
DEPARTMENT OF MECHANICAL ENGINEERING



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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMMED ON CATIA**

VALUE ADDED COURSE SYLLABUS

B.TECH III YEAR-II SEM ACADEMIC YEAR 2020-21

Course Objectives:

- To be able to understand and handle design problems in a systematic manner.
- The aim of this program is to provide participants with a broad exposure to the applications of Catia in the field of 3D modeling.
- The Objective of this workshop is to enhance the designing and modeling skill of its participants
- To be able to apply CAD in real life applications.
- To be understand the basic principles of different types of analysis using CATIA, Hyper mesh, CREO.

Course outcomes:

After completion of the course, learners would be able to:

- To understand the analysis of various aspects in of manufacturing design.
- Upon completion of this course, the participants would be better equipped.
- To play the role of mentor and guide in the area of 3D Modeling and Simulation of design works.

Module 1: An introduction about the software and Introduction and explanation about "Sketcher Workbench".

Module 2: Everything related to "Part Design Workbench" and Details on "Part Design Tools".

Module 3: "Part Design Modification Tools" and Introduction and explanation about "Assembly Work Bench".

Module 4: "Drafting" introduction and explanation and "Doubts-Tasks-Practice".

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON CATIA**

ACADEMIC YEAR 2020-21 **Date: 20-04-2021**

B.TECH III YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
26-04-2021	An introduction about the software	10:00 am to 04:00 pm	5 hours
27-04-2021	Introduction and explanation about "Sketcher Workbench	10:00 am to 04:00 pm	5 hours
28-04-2021	Details on "Part Design Tools	10:00 am to 04:00 pm	5 hours
29-04-2021	Part Design Modification Tools	10:00 am to 04:00 pm	5 hours
30-04-2021	Introduction and explanation about "Assembly Work Bench	10:00 am to 04:00 pm	5 hours
01-05-2021	Drafting" introduction and explanation and "Doubts-Tasks-Practice	10:00 am to 04:00 pm	5 hours
		Total – 30 Hours	

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON CATIA**

III YEAR –II SEM ENROLLED STUDENTS LIST Date: 20-04-2021 to 01-05-2021

S.No	Roll Number	Name of The Student
1	19Q65A0333	Gumpula Uudaykiran
2	19Q65A0334	Gunda Dileep
3	19Q65A0335	Gurram Prashanth
4	19Q65A0336	Isukapatla Ashishchandan
5	19Q65A0337	K Shankar
6	19Q65A0338	Kashapogu Moses
7	19Q65A0339	Konaparthi Murali Krishna
8	19Q65A0340	Korra Ravi Kumar Nayak
9	19Q65A0341	Kummula Umakanth
10	19Q65A0342	Kunsoth Jayanth Kumar
11	19Q65A0343	Maduuri Harish
12	19Q65A0344	Matta Rakesh
13	19Q65A0345	Menthyala Sridhar
14	19Q65A0346	P Rithvik Kumar
15	19Q65A0347	Paladugu Amarnath
16	19Q65A0348	Shaik Usman Shareef
17	19Q65A0349	Thodeti Gopalakrishna
18	19Q65A0350	Vadala Nikhil
19	19Q65A0351	Vakulabharanam Pranav
20	19Q65A0352	Vemula Suresh

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The students of III year MECH certificate program attending "Hands on Programmed on CATIA" by Dr.G.Seetharam Professor assistant professor.

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III YEAR –II SEM **A.Y 2020-2021** **Date: 20-04-2021**

DAYWISE ATTANDANCE SHEET

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1	19Q65A0333	Gumpula Uudaykiran	P	P	P	P	P	P
2	19Q65A0334	Gunda Dileep	P	P	P	P	P	P
3	19Q65A0335	Gurram Prashanth	P	P	P	P	P	P
4	19Q65A0336	Isukapatla Ashishchandan	A	P	P	P	P	P
5	19Q65A0337	K Shankar	P	P	P	P	P	P
6	19Q65A0338	Kashapogu Moses	P	P	P	P	P	P
7	19Q65A0339	Konaparthi Murali Krishna	P	P	A	P	P	P
8	19Q65A0340	Korra Ravi Kumar Nayak	P	P	P	P	P	P
9	19Q65A0341	Kummula Umakanth	P	P	P	P	P	P
10	19Q65A0342	Kunsoth Jayanth Kumar	P	P	P	P	P	P
11	19Q65A0343	Maduuri Harish	P	P	P	P	P	P
12	19Q65A0344	Matta Rakesh	A	P	P	P	P	P
13	19Q65A0345	Menthyala Sridhar	P	P	P	P	P	P
14	19Q65A0346	P Rithvik Kumar	P	P	P	P	P	P
15	19Q65A0347	Paladugu Amarnath	P	P	P	P	P	P
16	19Q65A0348	Shaik Usman Shareef	P	P	P	P	P	P
17	19Q65A0349	Thodeti Gopalakrishna	P	P	P	P	P	P
18	19Q65A0350	Vadala Nikhil	P	P	P	P	P	P
19	19Q65A0351	Vakulabharanam Pranav	P	P	P	P	P	P
20	19Q65A0352	Vemula Suresh	P	P	P	P	P	P

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VALUE ADDED COURSE NAME: **HANDS ON PROGRAMME ON CATIA**

III YEAR –II SEM **A.Y 2020-21** **Date: 20-04-2021 to 01-05-2021**

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4	19Q65A0336	Isukapatla Ashishchandan	25	83.3
5	19Q65A0337	K Shankar	30	100
6	19Q65A0338	Kashapogu Moses	30	100
7	19Q65A0339	Konaparthi Murali Krishna	25	83.3
8	19Q65A0340	Korra Ravi Kumar Nayak	30	100
9	19Q65A0341	Kummula Umakanth	30	100
10	19Q65A0342	Kunsoth Jayanth Kumar	30	100
11	19Q65A0343	Maduuri Harish	30	100
12	19Q65A0344	Matta Rakesh	25	83.3
13	19Q65A0345	Menthyala Sridhar	30	100
14	19Q65A0346	P Rithvik Kumar	30	100
15	19Q65A0347	Paladugu Amarnath	30	100
16	19Q65A0348	Shaik Usman Shareef	30	100
17	19Q65A0349	Thodeti Gopalakrishna	30	100
18	19Q65A0350	Vadala Nikhil	30	100
19	19Q65A0351	Vakulabharanam Pranav	30	100
20	19Q65A0352	Vemula Suresh	30	100

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.UDAY KIRAN** Bearing roll number **19Q65A0333** from the department of **Mechanical Engineering** completed the value added course on "**HANDS ON PROGRAMME ON CATIA**" During the year **2020-21**.

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Department of Mechanical Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **V.SURESH** Bearing roll number **19Q65A0352** from the department of **Mechanical Engineering** completed the value added course on "**HANDS ON PROGRAMME ON CATIA**" During the year **2020-21**.

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 05-05-2021

PROGRAM REPORT

Name of the value added course: Hands on Programme on Catia
Day/Duration: 30 Hour
Time: 10:00 am to 04:00 pm
Resource Person: Dr.G.Seetharam Professor, Subject Expert, Pallavi Engineering College.
Name of the Coordinator: Mr.R.V.Prahlad Assistant Professor
Number of the Participants: 20
Topics covered: The following topics covered in this program

- Introduction to the subject Unconventional Machining process – about Need for unconventional machining.
- Mechanical Energy Based Processes.
- Because it allows for a seamless transition from 2D to 3D design techniques.
- Chemical and Electrochemical Energy Based Processes.
- Manufacture of Plastic Components.

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DEPARTMENT OF MECHANICAL ENGINEERING

AVIH/MECH/AOC/CIR/2020-2I/SEM/I/03 **Date: 28-01-2021**

CIRCULAR

This is to inform all the IV B. Tech Mech students that, the Department organizing a Value Added Course on **"PYTHON APPLICATIONS - NUMPY AND PANDAS "**.This course is scheduled for 15 days which will take place from 01-02-2021 to 22-02-2021 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.S.Jeevan Kumar with Shellex Software Solutions Pvt Ltd.

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Copy to:

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IQAC
Notice Board
IV B. Tech students
Dept. file

ABOUT THE COURSE

Pandas has powerful tools like Series, DataFrame etc. NumPy has a powerful tool like Arrays. Pandas is used in popular organizations like Instacart, SendGrid, and Sighten. NumPy is used in the popular organization like SweepSouth.

COURSE OBJECTIVES

- **To install and run the Python interpreter**
- **To learn control structures.**
- **To Understand Lists, Dictionaries in python**
- **To Handle Strings and Files in Python**

EXPECTED OUTCOMES

- **Create your first program in Python IDLE.**
- **Implement OOPs concepts in your programming.**
- **Use Arrays, and Data structures.**
- **Create an application with the support of graphics in Python.**
- **Implement error handling.**
- **When students complete Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.**

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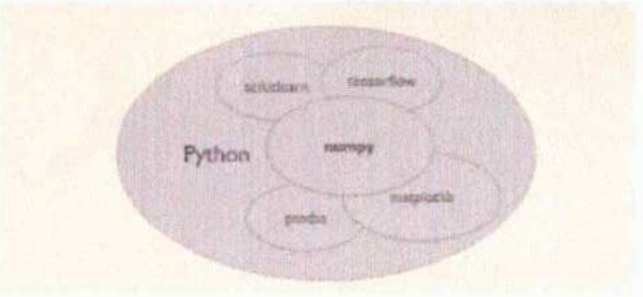

VALUE ADDED COURSE ON

" Python Applications - Numpy and Pandas"

01st to 22nd FEB - 2021

ORGANIZED BY :

DEPARTMENT OF MECHANICAL ENGINEERING



Resource Person
Mr.S.Jeevan Kumar
Subject Expert
Shellex Software Solutions Pvt Ltd

Co-ordinator
Mr.D.Vinaykumar
Assistant Professor
Department of MECH

PRINCIPAL
Avanthi Institute of Engg. & Tech.

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH IV YEAR-I SEM

Course objectives:

- To install and run the Python interpreter
- To learn control structures.
- To Understand Lists, Dictionaries in python
- To Handle Strings and Files in Python

Module 1: Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions?

Module 2: Iteration, Strings, Files

Module 3: Lists, Dictionaries, Tuples, Regular Expressions

Module 4: Classes and objects, Classes and functions, Classes and methods

Module 5: Networked programs, Using Web Services, Using databases and SQL, Numpy and Pandas

TEXT BOOK:

1. Learning Python, Mark Lutz, O'reilly

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

ACADEMIC YEAR 2020-21 **Date: 28-01-2021**

B.TECH IV YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	Introduction To Python Language,Datatypes,Operators	02:00 pm to 05:00 pm	3 hour
02-02-2021	Input & Output In Python, Control Statements, Arrays	02:00 pm to 05:00 pm	3 hour
03-02-2021	Strings, Lists & Tuples, Dictionaries	02:00 pm to 05:00 pm	3 hour
04-02-2021	OOPS, Classes & Objects, Inheritance & Polymorphism	02:00 pm to 05:00 pm	3 hour
08-02-2021	Abstract Class & Interface, Exceptions, File Handling	02:00 pm to 05:00 pm	3 hour
09-02-2021	Input & Output In Python, Control Statements, Arrays	02:00 pm to 05:00 pm	3 hour
10-02-2021	Regular Expressions, Data Structures,	02:00 pm to 05:00 pm	3 hour
11-02-2021	Data Structures, Date & Time	02:00 pm to 05:00 pm	3 hour
12-02-2021	GUI In Python	02:00 pm to 05:00 pm	3 hour
15-02-2021	Networking	02:00 pm to 05:00 pm	3 hour
16-02-2021	Python Database Connectivity, SQL	02:00 pm to 05:00 pm	3 hour
17-02-2021	Data Science Using Python	02:00 pm to 05:00 pm	3 hour
18-02-2021	Threads	02:00 pm to 05:00 pm	3 hour
19-02-2021	Python Pandas	02:00 pm to 05:00 pm	3 hour
22-02-2021	Numpy Python	02:00 pm to 05:00 pm	3 hour
		Total – 45 Hours	

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The students of IV year mech certificate program attending "PYTHON APPLICATIONS - NUMPY AND PANDAS" by Business analytics with R Programming assistant professor.

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **Enrolled Students List** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student
1	17Q61A0302	Chirra Saikumar
2	17Q61A0303	Cholleti Shashank
3	17Q61A0305	Gangi Daveed
4	17Q61A0306	Gardas Ramu
5	17Q61A0307	Guduru Vikram Reddy
6	17Q61A0308	Jadav Kiran
7	17Q61A0309	Merugu Bhanu
8	17Q61A0310	Mettu Ravi Kumar
9	17Q61A0311	Nallabelli Prashanth
10	17Q61A0312	Nandyala Sai Kiran Reddy
11	17Q61A0313	Pandaga Vidyasagar
12	17Q61A0315	Puli Pavankalyan
13	17Q61A0316	Somu Saiteja Reddy
14	17Q61A0317	Sourabh Patel
15	17Q61A0318	Vadithya Pavan
16	17Q61A0319	Vangara Sandeep
17	17Q61A0321	Vemparala Sri Harsha
18	17Q61A0322	Yanna Ramakrishna Reddy
19	17Q61A0323	Bammidi Achyuth Kumar
20	17Q61A0324	Habeeb Khan
21	17Q61A0326	Sanikommu Rajesh
22	16Q61A0321	Nallabati Sai Charan
23	16Q61A0331	Sandeep Gupta
24	16Q61A0341	Thanda Kranthi Kumar
25	18Q65A0301	Anna Harish
26	18Q65A0302	Bandameedi Raju
27	18Q65A0303	Boya Sai Kumar
28	18Q65A0304	Chilaka Praveen Kumar
29	18Q65A0305	Chinni Sai Vikas
30	18Q65A0306	Duggurwar Abhishek
31	18Q65A0307	Eligeti Anil Kumar
32	18Q65A0308	Koyya Nandhini
33	18Q65A0309	Maduri Rakesh
34	18Q65A0310	Md Arfaz

35	18Q65A0311	Mohammad Yaseen
36	18Q65A0312	Pasham Pranay
37	18Q65A0313	Pisari Naveen
38	18Q65A0314	Pole Pranayvardhan
39	18Q65A0315	Pulluri Pradesh
40	18Q65A0317	Ramavath Anitha
41	18Q65A0318	Sajjanapu Praveen Kumar
42	18Q65A0319	Sappidi Karthik
43	18Q65A0320	Setti Pavan
44	18Q65A0321	Sidarla Ganesh
45	18Q65A0322	Veesam Jeshwanth Kumar
46	18Q65A0323	Vemula Sai Tharun
47	18D95A0304	K Suresh
48	18Q65A0325	Badisha Vamshi
49	18Q65A0326	Chilukuri Shiva
50	18Q65A0327	Dyagala Ajay Kumar
51	18Q65A0328	Gadu Rahul
52	18Q65A0329	Janapati Sandeep
53	18Q65A0330	Kaderam Manikanta
54	18Q65A0331	Madgani Srinath
55	18Q65A0332	P Sai Sravan Goud
56	18Q65A0333	Ponnala Srikanth
57	18Q65A0334	Ramavath Ravi Kumar
58	18Q65A0335	Ravva Shashidhar
59	18Q65A0336	Syed Yakub Pasha
60	18Q65A0337	Vadthyavath Chandrashekhar
61	16Q61A0338	Yalamaddi Vamshi
62	17Q65A0326	Rechaveni Naveen
63	17Q65A0338	D Venkatesh
64	15Q61A0344	Syed Abdul Rahman Hadi

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DEPARTMENT OF MECHANICAL ENGINEERING

ADD ON COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **A.Y 2020-2021** **Date: 27-01-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21	22.02.21
1	17Q61A0302	Chirra Saikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	17Q61A0303	Cholleti Shashank	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	17Q61A0305	Gangi Daveed	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	17Q61A0306	Gardas Ramu	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	17Q61A0307	Guduru Vikram Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	17Q61A0308	Jadav Kiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	17Q61A0309	Merugu Bhanu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	17Q61A0310	Mettu Ravi Kumar	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
9	17Q61A0311	Nallabelli Prashanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	17Q61A0312	Nandyala Sai Kiran Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	17Q61A0313	Pandaga Vidyasagar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	17Q61A0315	Puli Pavankalyan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	17Q61A0316	Somu Saiteja Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	17Q61A0317	Sourabh Patel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	17Q61A0318	Vadithya Pavan	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
16	17Q61A0319	Vangara Sandeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	17Q61A0321	Vemparala Sri Harsha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	17Q61A0322	Yanna Ramakrishna Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	17Q61A0323	Bammidi Achyuth Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	17Q61A0324	Habeeb Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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21	17Q61A0326	Sanikommu Rajesh	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	16Q61A0321	Nallabati Sai Charan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	16Q61A0331	Sandeep Gupta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	16Q61A0341	Thanda Kranthi Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	18Q65A0301	Anna Harish	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	18Q65A0302	Bandameedi Raju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	18Q65A0303	Boya Sai Kumar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
28	18Q65A0304	Chilaka Praveen Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	18Q65A0305	Chinni Sai Vikas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	18Q65A0306	Duggurwar Abhishek	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	18Q65A0307	Eligeti Anil Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	18Q65A0308	Koyya Nandhini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	18Q65A0309	Maduri Rakesh	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
34	18Q65A0310	Md Arfaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	18Q65A0311	Mohammad Yaseen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	18Q65A0312	Pasham Pranay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	18Q65A0313	Pisari Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	18Q65A0314	Pole Pranayvardhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	18Q65A0315	Pulluri Pradesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	18Q65A0317	Ramavath Anitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	18Q65A0318	Sajjanapu Praveen Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18Q65A0319	Sappidi Karthik	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	18Q65A0320	Setti Pavan	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
44	18Q65A0321	Sidarla Ganesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	18Q65A0322	Veesam Jeshwanth Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	18Q65A0323	Vemula Sai Tharun	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	18D95A0304	K Suresh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	18Q65A0325	Badisha Vamshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	18Q65A0326	Chilukuri Shiva	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	18Q65A0327	Dyagala Ajay Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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51	18Q65A0328	Gadu Rahul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	18Q65A0329	Janapati Sandeep	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	18Q65A0330	Kaderam Manikanta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	18Q65A0331	Madgani Srinath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	18Q65A0332	P Sai Sravan Goud	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
56	18Q65A0333	Ponnala Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	18Q65A0334	Ramavath Ravi Kumar	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
58	18Q65A0335	Ravva Shashidhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	18Q65A0336	Syed Yakub Pasha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
60	18Q65A0337	Vadthyavath Chandrashekhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	16Q61A0338	Yalamaddi Vamshi	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	17Q65A0326	Rechaveni Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	17Q65A0338	D Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	15Q61A0344	Syed Abdul Rahman Hadi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **A.Y 2020-21** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	17Q61A0302	Chirra Saikumar	45	100
2	17Q61A0303	Cholleti Shashank	45	100
3	17Q61A0305	Gangi Daveed	45	100
4	17Q61A0306	Gardas Ramu	0	0
5	17Q61A0307	Guduru Vikram Reddy	45	100
6	17Q61A0308	Jadav Kiran	45	100
7	17Q61A0309	Merugu Bhanu	45	100
8	17Q61A0310	Mettu Ravi Kumar	42	93.3
9	17Q61A0311	Nallabelli Prashanth	45	100
10	17Q61A0312	Nandyala Sai Kiran Reddy	45	100
11	17Q61A0313	Pandaga Vidyasagar	45	100
12	17Q61A0315	Puli Pavankalyan	45	100
13	17Q61A0316	Somu Saiteja Reddy	45	100
14	17Q61A0317	Sourabh Patel	45	100
15	17Q61A0318	Vadithya Pavan	42	93.3
16	17Q61A0319	Vangara Sandeep	45	100
17	17Q61A0321	Vemparala Sri Harsha	45	100
18	17Q61A0322	Yanna Ramakrishna Reddy	45	100
19	17Q61A0323	Bammidi Achyuth Kumar	45	100
20	17Q61A0324	Habeeb Khan	45	100
21	17Q61A0326	Sanikommu Rajesh	42	93.3
22	16Q61A0321	Nallabati Sai Charan	45	100
23	16Q61A0331	Sandeep Gupta	45	100
24	16Q61A0341	Thanda Kranthi Kumar	45	100
25	18Q65A0301	Anna Harish	45	100
26	18Q65A0302	Bandameedi Raju	45	100
27	18Q65A0303	Boya Sai Kumar	0	0
28	18Q65A0304	Chilaka Praveen Kumar	45	100
29	18Q65A0305	Chinni Sai Vikas	45	100
30	18Q65A0306	Duggurwar Abhishek	45	100
31	18Q65A0307	Eligeti Anil Kumar	45	100
32	18Q65A0308	Koyya Nandhini	45	100
33	18Q65A0309	Maduri Rakesh	42	93.3

34	18Q65A0310	Md Arfaz	45	100
35	18Q65A0311	Mohammad Yaseen	45	100
36	18Q65A0312	Pasham Pranay	45	100
37	18Q65A0313	Pisari Naveen	45	100
38	18Q65A0314	Pole Pranayvardhan	45	100
39	18Q65A0315	Pulluri Pradesh	45	100
40	18Q65A0317	Ramavath Anitha	45	100
41	18Q65A0318	Sajjanapu Praveen Kumar	45	100
42	18Q65A0319	Sappidi Karthik	45	100
43	18Q65A0320	Setti Pavan	0	0
44	18Q65A0321	Sidarla Ganesh	45	100
45	18Q65A0322	Veesam Jeshwanth Kumar	45	100
46	18Q65A0323	Vemula Sai Tharun	45	100
47	18D95A0304	K Suresh	45	100
48	18Q65A0325	Badisha Vamshi	45	100
49	18Q65A0326	Chilukuri Shiva	45	100
50	18Q65A0327	Dyagala Ajay Kumar	45	100
51	18Q65A0328	Gadu Rahul	45	100
52	18Q65A0329	Janapati Sandeep	45	100
53	18Q65A0330	Kaderam Manikanta	45	100
54	18Q65A0331	Madgani Srinath	45	100
55	18Q65A0332	P Sai Sravan Goud	0	0
56	18Q65A0333	Ponnala Srikanth	45	100
57	18Q65A0334	Ramavath Ravi Kumar	42	93.3
58	18Q65A0335	Ravva Shashidhar	45	100
59	18Q65A0336	Syed Yakub Pasha	45	100
60	18Q65A0337	Vadthyavath Chandrashekhar	45	100
61	16Q61A0338	Yalamaddi Vamshi	42	93.3
62	17Q65A0326	Rechaveni Naveen	45	100
63	17Q65A0338	D Venkatesh	45	100
64	15Q61A0344	Syed Abdul Rahman Hadi	45	100

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SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **C.SAIKUMAR** Bearing Reg.No **17Q61A0302** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

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+91 760 107 9955, 040-35610885
info@shellx.in
www.shellx.in

SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **D.VENKATESH** Bearing Reg.No **17Q65A0338** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 25-02-2021

PROGRAM REPORT

Name of the value added course: Python Applications - Numpy and Pandas
Day/Duration: 45 Hours
Time: 02:00 Pm to 05:00 Pm
Resource Person: Mr.S.Jeevan Kumar, Subject Expert, Shellex Software Solutions Pvt Ltd.
Name of the Coordinator: Mr.D.Vinaykumar,Assistant Professor
Number of the Participants: 60
Topics covered: The following topics covered in this program

- Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions
- Iteration, Strings, Files
- Lists, Dictionaries, Tuples, Regular Expressions
- Classes and objects, Classes and functions, Classes and methods
- Networked programs, Using Web Services, Using databases and SQLNumpy and Pandas

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AVIH/EEE/AOC/CIR/2020-21/I/01 **Date: 09-09-2020**

CIRCULAR

This is to inform all the II B. Tech EEE students that there will be a Value Added Course on "**Application of Electric drive system** ", the proposed Value Added Course is scheduled in VIRTUAL mode through GOOGLE MEET. The resource person for the course is **Dr. Kannan Ganapathi, Assistant Professor** from 14-09-2020 to 19-09-2020 All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions

HOD

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Electrical & Electronics Engineering
Avanthi Institute of Engineering & Technology
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Ranga Reddy District.

Copy to:

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Notice board
II. B. Tech EEE students
Dept. file

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ADD-ON COURSE ON

"APPLICATION OF ELECTRIC DRIVE SYSTEMS"

14th SEP TO 19th SEP, 2020

DURATION OF THE COURSE 30 HRS

ORGANIZED BY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ABOUT THE COURSE

Electrical drive technology converts electrical energy from the power supply system or from a battery into mechanical energy and transmits the resulting force into motion. Many applications that make our daily lives easier like lifts, escalators, gate drives, washing machines, mixers, electric razors.

COURSE OBJECTIVES

Describe the structure of Electric Drive systems and their role in various applications such as flexible production systems, energy conservation, renewable energy, transportation etc., making Electric Drives an enabling technology.

EXPECTED OUTCOMES

Clearly learn to use space vectors presented on a physical basis to describe the operation of an ac machine. 10. Understand the basic principles of Permanent Magnet AC (Self-Synchronous AC) drives.

Resource Person	Co-ordinator
Dr.K.Ganapathi	Miss.Raagini
Professor	Assistant Professor
Department of EEE.	Department of EEE

Head of the Department
Electrical & Electronics Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met. (Mdl),
Ranga Reddy District.

Students are instructed to register the given below link:

https://docs.google.com.forms/d/e/1NAHpQLSecfRJLei9PQTrwk4-I7XI3t35IpMNjIpy2M_Mfv92t-g5SQ/viewform

Google meet link:-https://meet.google.com/zokwhkn-jwg



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATION OF ELECTRIC DRIVE SYSTEM**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH II YEAR-I SEM

Course objectives

- To expose students to the operation and control of power conversion systems employing electric drive to cater industrial needs.
- To familiarize the operation principles and design of starting, banking and speed control arrangements for electric motors and their applications.
- To provide strong foundation to asses' performances of different Industrial drives considering issues such as, energy efficiency, power quality, economic Justification, environmental issues And practical viabilities.
- Design torque speed and position controller of motor drivers.

SYLLABUS

Module 1: Electric Drive: Concept, classification, parts and advantages of electric drives. Types of loads, Components of load torques, Fundamental torque equations, and Equivalent value of drive parameters for loads with rotational and translation motion. Determine of moment of inertia Steady state stability, Transient stability, Multiquadrant operation of drives. Load equalization.

Module 2: Motor power rating: Thermal model of motor for heating and cooling classes of motors duty determination of motor rating for continuous short time intermittent duty , equivalent current, torque and power methods of determination of rating for fluctuating intermittent loads, Effect of load inertia & environmental factors.

Module 3: Stating of Electric Drive: Effect of starting on power supply, motor and load Methods of Stating of electric motors, Acceleration time Energy relation during stating methods to reduce the Energy loss during starting.

Braking of Electric Drive: Types of braking, braking of DC motor, Induction motor and Synchronous motor, Energy loss during braking.

Module 4: DC motor Drive: Modeling of DC motors, State space modeling block diagram & Transfer function, Single phase, three phases fully controlled and half controlled DC drives. Dual converter control of DC drives. Power factor, supply harm and ripple in motor current chopper controlled DC motor drives.

Module 5: Induction motor Drive: Stator voltage variation by three phase controllers, Speed control using chopper resistance in the rotor circuit, slip power recovery scheme, Pulse width modulated inverter fed and current source inverter fed induction motor drive, volts/Hertz Control, Vector or field oriented control.

REFERENCE BOOKS:

1. Fundamental of Electric Drive, G.K. Dubey, New Age International Publication.
2. Electric Drive, Vedam Subramanian, TMH
3. A First course on Electric Drives, S.K.Pillai, New Age International Publication.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATION OF ELECTRIC DRIVE SYSTEM**

ACADEMIC YEAR: 2020-21 **Date: 09-09-2020**

B.TECH II YEAR-I SEM **DAY WISE SCHEDULE SHEET**

Sl. No	DAY	Topic	Timings	Duration
1	14-09-2020	Classification, parts and advantages of electric drives. Types of loads, Components of load torques.	10:00 am to 04:00 pm	5 hour
2	15-09-2020	model of motor for heating and cooling classes of motors duty determination of motor rating for continuous short time intermittent duty	10:00 am to 04:00 pm	5 hour
3	16-09-2020	Effect of starting on power supply, motor and load Methods of Stating of electric motors	10:00 am to 04:00 pm	5 hour
4	17-09-2020	Types of braking, braking of DC motor, Induction motor and Synchronous motor, Energy loss during braking	10:00 am to 04:00 pm	5 hour
5	18-09-2020	Stator voltage variation by three phase controllers, Speed control using chopper resistance in the rotor circuit, slip power recovery scheme,	10:00 am to 04:00 pm	5 hour
6	19-09-2020	Pulse width modulated inverter fed and current source inverter fed induction motor drive	10:00 am to 04:00 pm	5 hour
				Total :30 Hours

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATION OF ELECTRIC DRIVE SYSTEM**

II YEAR I–SEM ENROLLED STUDENTS LIST Date: 14-09-2020 to 19-09-2020

S.No	Roll Number	Name of The Student
1	19Q61A0201	Banala Sai Vivek
2	19Q61A0202	Banoth Rajesh
3	19Q61A0203	Banoth Sidhu Nayak
4	19Q61A0204	Boluguri Madhuri
5	19Q61A0205	Dharavath Narasimha
6	19Q61A0206	Jangeeli Praveen Kumar
7	19Q61A0207	Kola Eshwar
8	19Q61A0208	Koripelli Chandu
9	19Q61A0209	Korra Naveen
10	19Q61A0210	Kotagiri Harshavardhan
11	19Q61A0211	Manda Ramu
12	19Q61A0212	Narapati Dinesh Kumar
13	19Q61A0213	P Vamshi
14	19Q61A0214	Panugothu Muni
15	19Q61A0215	Verpula Shiva Shankar
16	19Q61A0216	Arcboina Kishore
17	19Q61A0217	Bojja Vishwadeepak
18	19Q61A0218	Goli Nagendrababu
19	19Q61A0219	Murugeshan Siri Sagar
20	19Q61A0220	Nallani Nagavenkata Chakravarthi
21	19Q61A0221	Padom Gowthamkumar
22	20Q65A0201	Atte Archana
23	20Q65A0202	Madas Vaishnavi
24	20Q65A0203	Marla Manikanta
25	20Q65A0204	Raviteja Desharajula
26	20Q65A0205	Sumanth Molmoori
27	20Q65A0206	Bangaru Akash Chary
28	20Q65A0207	Beemanapalli Uma Mahesh
29	20Q65A0208	Beenamoni Ganesh
30	20Q65A0209	Ch Nvss Murali Krishna
31	20Q65A0210	Ch Prem Teja
32	20Q65A0211	Dasari Dhruvanithin

33	20Q65A0212	Dharipally Krishna Reddy
34	20Q65A0213	Gajjela Dayanand
35	20Q65A0214	Gajjela Sravani
36	20Q65A0215	Kanukuntla Eshwar
37	20Q65A0216	Karravula Shashidhar
38	20Q65A0217	Katikojula Soumya
39	20Q65A0218	Koripally Rohith Kumar
40	20Q65A0219	M Keshavulu Yadav
41	20Q65A0220	Mamidala Shiva Deepak
42	20Q65A0221	Mathangi Vineela

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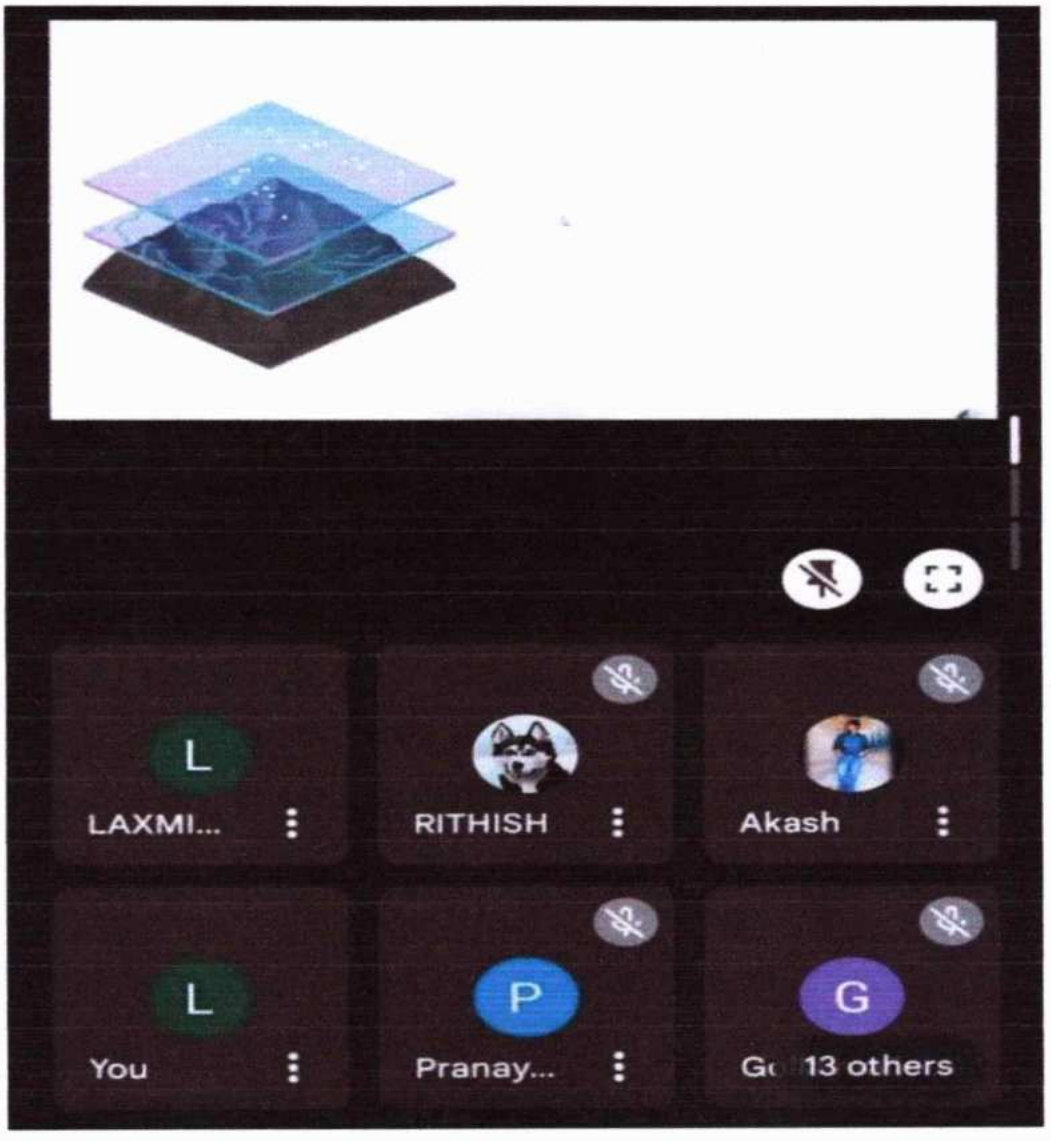

The students of II year B.Tech certificate program attending " Application of Electric drive system" by Dr. Kannan Ganapathi assistant professor.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATION OF ELECTRIC DRIVE SYSTEM**

II YEAR I–SEM **A.Y 2020-2021** **Date: 09-09-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	14.09.20	15.09.20	16.09.20	17.09.20	18.09.20	19.09.20
1	19Q61A0201	Banala Sai Vivek	P	P	P	P	P	P
2	19Q61A0202	Banoth Rajesh	P	P	P	P	P	P
3	19Q61A0203	Banoth Sidhu Nayak	A	A	A	A	A	A
4	19Q61A0204	Boluguri Madhuri	P	P	P	P	P	P
5	19Q61A0205	Dharavath Narasimha	A	P	P	P	P	P
6	19Q61A0206	Jangeeli Praveen Kumar	P	P	P	P	P	P
7	19Q61A0207	Kola Eshwar	P	P	P	P	P	P
8	19Q61A0208	Koripelli Chandu	P	P	P	P	P	P
9	19Q61A0209	Korra Naveen	P	P	P	P	P	P
10	19Q61A0210	Kotagiri Harshavardhan	P	P	P	P	P	P
11	19Q61A0211	Manda Ramu	P	P	P	P	P	P
12	19Q61A0212	Narapati Dinesh Kumar	P	P	A	P	P	P
13	19Q61A0213	P Vamshi	P	P	P	P	P	P
14	19Q61A0214	Panugothu Muni	P	P	P	P	P	P
15	19Q61A0215	Verpula Shiva Shankar	P	P	P	P	P	P
16	19Q61A0216	Areboina Kishore	P	P	P	P	P	P
17	19Q61A0217	Bojja Vishwadeepak	P	P	P	P	P	P
18	19Q61A0218	Goli Nagendrababu	A	P	P	P	P	P
19	19Q61A0219	Murugeshan Siri Sagar	P	P	P	P	P	P
20	19Q61A0220	Nallani Nagavenkata Chakravarthi	P	P	P	P	P	P
21	19Q61A0221	Padom Gowthamkumar	P	P	P	P	P	P
22	20Q65A0201	Atte Archana	P	P	P	P	P	P
23	20Q65A0202	Madas Vaishnavi	P	P	A	P	P	P
24	20Q65A0203	Marla Manikanta	P	P	P	P	P	P
25	20Q65A0204	Raviteja Desharajula	P	P	P	P	P	P
26	20Q65A0205	Sumanth Molmoori	P	P	P	P	P	P
27	20Q65A0206	Bangaru Akash Chary	A	A	A	A	A	A
28	20Q65A0207	Beemanapalli Uma Mahesh	P	P	P	P	P	P
29	20Q65A0208	Beenamoni Ganesh	P	P	P	P	P	P
30	20Q65A0209	Ch Nvss Murali Krishna	P	P	P	P	P	P

31	20Q65A0210	Ch Prem Teja	P	P	P	P	P	P
32	20Q65A0211	Dasari Dhruvanithin	A	P	P	P	P	P
33	20Q65A0212	Dharipally Krishna Reddy	P	P	P	P	P	P
34	20Q65A0213	Gajjela Dayanand	P	P	P	P	P	P
35	20Q65A0214	Gajjela Sravani	P	P	P	P	P	P
36	20Q65A0215	Kanukuntla Eshwar	P	P	A	P	P	P
37	20Q65A0216	Karravula Shashidhar	P	P	P	P	P	P
38	20Q65A0217	Katikojula Soumya	P	P	P	P	P	P
39	20Q65A0218	Koripally Rohith Kumar	P	P	P	P	P	P
40	20Q65A0219	M Keshavulu Yadav	P	P	P	P	P	P
41	20Q65A0220	Mamidala Shiva Deepak	P	P	P	P	P	P
42	20Q65A0221	Mathangi Vineela	P	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **APPLICATION OF ELECTRIC DRIVE SYSTEM**

II YEAR I–SEM **A.Y 2020-21** **Date: 14-09-2020 to 19-09-2020**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61A0201	Banala Sai Vivek	30	100
2	19Q61A0202	Banoth Rajesh	30	100
3	19Q61A0203	Banoth Sidhu Nayak	0	0
4	19Q61A0204	Boluguri Madhuri	30	100
5	19Q61A0205	Dharavath Narasimha	25	83.3
6	19Q61A0206	Jangeeli Praveen Kumar	30	100
7	19Q61A0207	Kola Eshwar	30	100
8	19Q61A0208	Koripelli Chandu	30	100
9	19Q61A0209	Korra Naveen	30	100
10	19Q61A0210	Kotagiri Harshavardhan	30	100
11	19Q61A0211	Manda Ramu	30	100
12	19Q61A0212	Narapati Dinesh Kumar	25	83.3
13	19Q61A0213	P Vamshi	30	100
14	19Q61A0214	Panugothu Muni	30	100
15	19Q61A0215	Verpula Shiva Shankar	30	100
16	19Q61A0216	Areboina Kishore	30	100
17	19Q61A0217	Bojja Vishwadeepak	30	100
18	19Q61A0218	Goli Nagendrababu	25	83.3
19	19Q61A0219	Murugeshan Siri Sagar	30	100
20	19Q61A0220	Nallani Nagavenkata Chakravarthi	30	100
21	19Q61A0221	Padom Gowthamkumar	30	100
22	20Q65A0201	Atte Archana	30	100
23	20Q65A0202	Madas Vaishnavi	25	83.3
24	20Q65A0203	Marla Manikanta	30	100
25	20Q65A0204	Raviteja Desharajula	30	100
26	20Q65A0205	Sumanth Molmoori	30	100
27	20Q65A0206	Bangaru Akash Chary	0	0
28	20Q65A0207	Beemanapalli Uma Mahesh	30	100
29	20Q65A0208	Beenamoni Ganesh	30	100
30	20Q65A0209	Ch Nvss Murali Krishna	30	100
31	20Q65A0210	Ch Prem Teja	30	100

32	20Q65A0211	Dasari Dhruvanithin	25	83.3
33	20Q65A0212	Dharipally Krishna Reddy	30	100
34	20Q65A0213	Gajjela Dayanand	30	100
35	20Q65A0214	Gajjela Sravani	30	100
36	20Q65A0215	Kanukuntla Eshwar	25	83.3
37	20Q65A0216	Karravula Shashidhar	30	100
38	20Q65A0217	Katikojula Soumya	30	100
39	20Q65A0218	Koripally Rohith Kumar	30	100
40	20Q65A0219	M Keshavulu Yadav	30	100
41	20Q65A0220	Mamidala Shiva Deepak	30	100
42	20Q65A0221	Mathangi Vineela	30	100

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 10-09-2020

PROGRAM REPORT

Name of the Add on Course: Application of Electric Drive System
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Dr. Kannan Ganapathi, Assistant Professor
Name of the Coordinator: Miss.M.Raagini, Assistant Professor
Number of the Participants: 40
Topics covered: The following topics covered in this program

- Electric Drives
- Static Drives
- Machine Control
- Types of Drives
- Control of Drives
- Adaptive control strategies
- Automation of Electric Drives
- Advanced driver systems

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Department of Electrical and Electronics Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.RAJESH** Bearing roll number **19Q61A0202** from the department of **EEE** completed the value added course on "**APPLICATION OF ELECTRIC DRIVE SYSTEM**" During the year **2020-21**.

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Department of Electrical and Electronics Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.GANESH** Bearing roll number **20Q65A0208** from the department of **EEE** completed the value added course on "**APPLICATION OF ELECTRIC DRIVE SYSTEM**" During the year **2020-21**.

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EPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

AVIH/EEE/AOC/CIR/2020-2l/SEM/I/02 **Date: 17-11-2020**

CIRCULAR

This is to inform all the III B. Tech EEE students that, the Department organizing a Value Added Course on **"Industrial Automation with PLC "**. Department Advisory Committee has been identified **Mr.Satyavardhan Rao, Assistant Professor** in EEE as a resource person for this course. This course is scheduled for 06 days which will take place from 23-11-2020 to 28-11-2020 in online mode through Google Meet.

HOD

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Ranga Reddy District.

Copy to:

The principal, for kind information
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Notice Board
III B. Tech students
Dept. file

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ABOUT THE COURSE

Programmable Logic Controllers (PLCs) are industrial computers, with various inputs and outputs, used to control and monitor industrial equipment based on custom programming. PLCs come in many different sizes and form factors.

COURSE OBJECTIVES

- **The main objective of this course is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the PLC programming & latest technologies being used to achieve PLC Industrial Automation.**
- **Understand automation technologies and identify advantages, limitations and applications of the same. Develop ability to recognize, articulate and solve industrial problems using automation technologies.**

EXPECTED OUTCOMES

- **Understand the basics of PLC programming.**
- **Understand the different parameters of PLC.**
- **Design different process control applications through ladder logic.**
- **Analyze & explain different functions of PLC.**
- **Build and experiment with PLC based SCADA systems for various industrial applications.**
- **Implement HMI, distributed control system and Industry standard 4.0**

Resource Person	Co-ordinator
Mr.Satyavardhan Rao	Mr.B.Srikanth
Assistant Professor	Assistant Professor
Department of EEE	Department of EEE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi

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VALUE ADDED COURSE ON

"INDUSTRIAL AUTOMATION WITH PLC"

23rd to 28th NOV - 2020

ORGANIZED BY:

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **INDUSTRIAL AUTOMATION WITH PLC**

VALUE ADDED COURSE SYLLABUS

B.TECH III YEAR-I SEM

Course objectives:

1. The main objective of this course is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the PLC programming & latest technologies being used to achieve PLC Industrial Automation
2. Understand automation technologies and identify advantages, limitations and applications of the same. Develop ability to recognize, articulate and solve industrial problems using automation technologies.

Course outcomes:

1. Understand the basics of PLC programming.
2. Understand the different parameters of PLC.
3. Design different process control applications through ladder logic.
4. Analyze & explain different functions of PLC.
5. Build and experiment with PLC based SCADA systems for various industrial applications.
6. Implement HMI, distributed control system and Industry standard 4.0

Module1: Identify various automation systems available in different appliances/devices/machines in day-to-day use. Identify various parts and front panel status indicators of the given PLC. Use PLC to test the START STOP logic for two inputs and one output system. Develop/Execute a ladder program for the given application using following:- timer, counter, comparison, logical, arithmetic instructions.

Module 2: Use PLC to control the following devices: lamp, motor, push button switches, proximity sensor. Measure temperature of the given liquid using RTD or Thermocouple and PLC. Develop/test ladder program to blink LED/lamp. Develop and test the Ladder program for sequential control application of lamps/ DC motors.

Module 3: Develop and test ladder program for traffic light control system. Develop and test ladder program for pulse counting using limit switch /Proximity sensor. Develop /test ladder program for automated car parking system. Develop/test ladder program for automated elevator control.

Module 4: Develop/test ladder program for rotating stepper motor in forward and reverse direction at constant speed. Develop/test ladder program for tank water level control. Develop/test ladder program to control speed of stepper motor with suitable drivers

Module 5: Identify various front panel controls of Variable Frequency Drive (VFD) (smart drive). Control speed of AC/DC motor using VFD. Use various functions of SCADA simulation editors to develop simple project. Develop a SCADA mimic diagram for Tank level control. Develop SCADA mimic diagram for Flow control of the given system. Simulate Tank level control using available SCADA system.

Text Book:

1. Programmable Logic Controller,Jadhav,V.R.,Khanna publishers, New Delhi,2017,ISBN:9788174092281
2. Programmable Logic Controllers, Petruzella.F.D. Tata-McGraw Hill India, New Delhi, Fourth edition,2010.ISBN:9780071067386
3. Programmable logic controllers and industrial automation An introduction.Mitra,Madhuchandra;Sengupta,Samarjit,Penram International Publication, New Delhi,2015,Fifth reprint,ISBN:9788187972174

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **INDUSTRIAL AUTOMATION WITH PLC**

ACADEMIC YEAR: 2020-2021 **DATE: 17-11-2020**

B.TECH III YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
23-11-2020	Identify various automation systems available in different appliances/devices/machines in day-to-day use. Identify various parts and front panel status	10:00 am to 04:00 pm	5 hour
24-11-2020	Use PLC to control the following devices: lamp, motor, push button switches, proximity sensor. Measure temperature of the given liquid using RTD	10:00 am to 04:00 pm	5 hour
25-11-2020	Develop and test ladder program for traffic light control system. Develop and test ladder program for pulse counting using limit switch /Proximity sensor.	10:00 am to 04:00 pm	5 hour
26-11-2020	Develop/test ladder program for rotating stepper motor in forward and reverse direction at constant speed. Develop/test	10:00 am to 04:00 pm	5 hour
27-11-2020	Identify various front panel controls of Variable Frequency Drive (VFD) (smart drive).	10:00 am to 04:00 pm	5 hour
28-11-2020	Control speed of AC/DC motor using VFD. Use various functions of SCADA simulation editors to develop simple project.	10:00 am to 04:00 pm	5 hour
			Total – 30 Hours

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **INDUSTRIAL AUTOMATION WITH PLC**

III YEAR I–SEM ENROLLED STUDENTS LIST Date: 23-11-2020 to 28-11-2020

S.No	Roll Number	Name of The Student
1	18Q61A0201	Beemani Ajithkumar
2	18Q61A0202	Bhukya Pavan Kumar
3	18Q61A0203	Boddu Saikumar
4	18Q61A0204	Boga Prasanna
5	18Q61A0205	Eslavath Sreedhar
6	18Q61A0206	Gajula Joshna
7	18Q61A0207	Guguloth Ganesh
8	18Q61A0208	Guguloth Pavan
9	18Q61A0209	Gunti Naveen
10	18Q61A0210	Kembasari Prasad
11	18Q61A0211	Kotrepalli Aparna
12	18Q61A0212	M Srinivas
13	18Q61A0213	Masna Ganesh
14	18Q61A0214	Mathangi Arun Kumar
15	18Q61A0215	Niraghatam Venkata Sai Krishna Karthik
16	18Q61A0216	Pradhumn Kumar Kharwar
17	18Q61A0217	Puli Srikanth
18	18Q61A0218	Sapavath Mahesh
19	18Q61A0219	Vaddepalli Jagadeesh
20	18Q61A0220	Vempati Shivani
21	18Q61A0221	Bommmoju Ranjith
22	18Q61A0222	Degala Asha
23	18Q61A0223	K Sandeep
24	18Q61A0224	Mundla Anusha
25	18Q61A0225	Vadluri Sumanth
26	19Q65A0201	A Shivam
27	19Q65A0202	Bommagani Deepika

28	19Q65A0203	Jangala Vinay Kumar
29	19Q65A0204	Mypa Sai Teja
30	19Q65A0205	Siragoni Pavan Kumar
31	19Q65A0206	Thupakula Ruparani
32	19Q65A0207	Amarabad Naresh
33	19Q65A0208	Badavath Praveen
34	19Q65A0209	Badineni Ajay Kumar
35	19Q65A0210	Beldhar Sandeep Sailoo
36	19Q65A0211	Challa Saiprakash Reddy
37	19Q65A0212	Challaguurugula Ram Prasad
38	19Q65A0213	Dhanavath Venkanna
39	19Q65A0214	Dodlapati Srikanth
40	19Q65A0215	Duba Srilakshmi
41	19Q65A0216	Garnepally Prashanth

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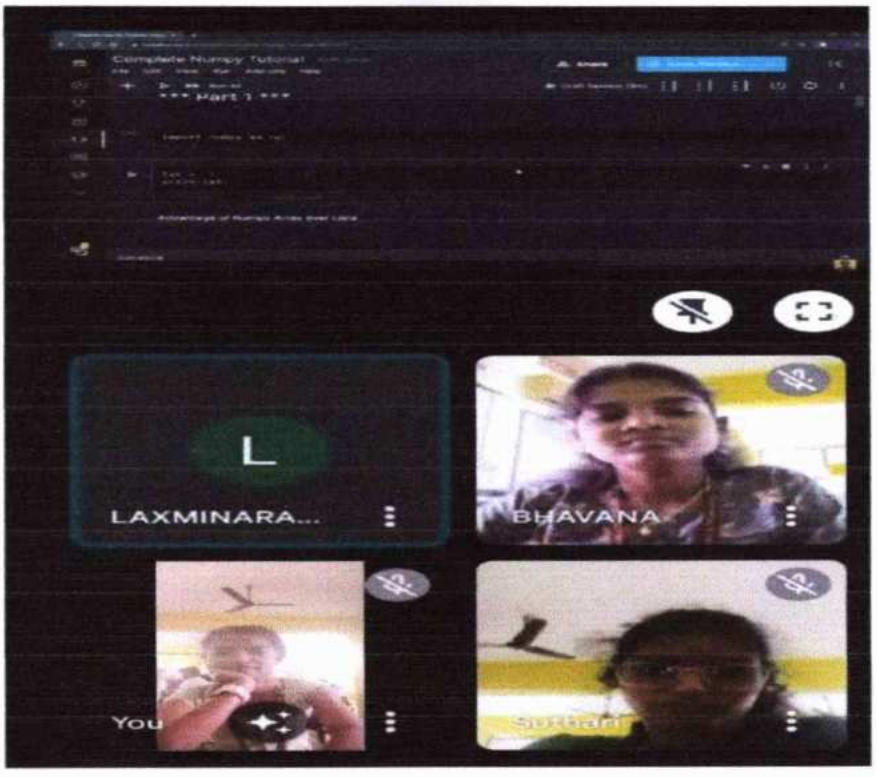

The students of III year B.Tech certificate program attending "Industrial Automation with PLC" by Mr.Satyavardhan Rao assistant professor.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **INDUSTRIAL AUTOMATION WITH PLC**

III YEAR I–SEM **A.Y 2020-2021** **Date: 17-11-2020**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	23.11.20	24.11.20	25.11.20	26.11.20	27.11.20	28.11.20
1	18Q61A0201	Beemani Ajithkumar	P	P	P	P	P	P
2	18Q61A0202	Bhukya Pavan Kumar	P	P	P	P	P	P
3	18Q61A0203	Boddu Saikumar	A	A	A	A	A	A
4	18Q61A0204	Boga Prasanna	P	P	P	P	P	P
5	18Q61A0205	Eslavath Sreedhar	P	P	A	P	P	P
6	18Q61A0206	Gajula Joshna	P	P	P	P	P	P
7	18Q61A0207	Guguloth Ganesh	P	P	P	P	P	P
8	18Q61A0208	Guguloth Pavan	P	P	P	P	P	P
9	18Q61A0209	Gunti Naveen	P	P	P	P	P	P
10	18Q61A0210	Kembasari Prasad	P	P	P	P	P	P
11	18Q61A0211	Kotrepalli Aparna	A	P	P	P	P	P
12	18Q61A0212	M Srinivas	P	P	P	P	P	P
13	18Q61A0213	Masna Ganesh	P	P	P	P	P	P
14	18Q61A0214	Mathangi Arun Kumar	P	P	P	P	P	P
15	18Q61A0215	Niraghatam Venkata Sai Krishna Karthik	A	A	A	A	A	A
16	18Q61A0216	Pradhumn Kumar Kharwar	P	P	P	P	P	P
17	18Q61A0217	Puli Srikanth	P	P	A	P	P	P
18	18Q61A0218	Sapavath Mahesh	P	P	P	P	P	P
19	18Q61A0219	Vaddepalli Jagadeesh	P	P	P	P	P	P
20	18Q61A0220	Vempati Shivani	P	P	P	P	P	P
21	18Q61A0221	Bommmoju Ranjith	P	P	P	P	P	P
22	18Q61A0222	Degala Asha	P	P	P	P	P	P
23	18Q61A0223	K Sandeep	A	A	A	A	A	A
24	18Q61A0224	Mundla Anusha	P	P	P	P	P	P
25	18Q61A0225	Vadluri Sumanth	P	P	P	P	P	P
26	19Q65A0201	A Shivam	P	P	P	P	P	P
27	19Q65A0202	Bommagani Deepika	P	P	P	P	P	P
28	19Q65A0203	Jangala Vinay Kumar	P	P	P	P	P	P
29	19Q65A0204	Mypa Sai Teja	P	P	P	P	P	P
30	19Q65A0205	Siragoni Pavan Kumar	P	P	P	P	P	P

31	19Q65A0206	Thupakula Ruparani	P	P	P	P	P	P
32	19Q65A0207	Amarabad Naresh	P	P	P	P	P	P
33	19Q65A0208	Badavath Praveen	A	P	P	P	P	P
34	19Q65A0209	Badineni Ajay Kumar	P	P	P	P	P	P
35	19Q65A0210	Beldhar Sandeep Sailoo	P	P	P	P	P	P
36	19Q65A0211	Challa Saiprakash Reddy	P	P	A	P	P	P
37	19Q65A0212	Challaguurugula Ram Prasad	P	P	P	P	P	P
38	19Q65A0213	Dhanavath Venkanna	P	P	P	P	P	P
39	19Q65A0214	Dodlapati Srikanth	P	P	P	P	P	P
40	19Q65A0215	Duba Srilakshmi	P	P	P	P	P	P
41	19Q65A0216	Garnepally Prashanth	P	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **INDUSTRIAL AUTOMATION WITH PLC**

III YEAR I–SEM **A.Y 2020-21** **Date: 23-11-2020 to 28-11-2020**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	18Q61A0201	Beemani Ajithkumar	30	100
2	18Q61A0202	Bhukya Pavan Kumar	30	100
3	18Q61A0203	Boddu Saikumar	0	0
4	18Q61A0204	Boga Prasanna	30	100
5	18Q61A0205	Eslavath Sreedhar	25	83.3
6	18Q61A0206	Gajula Joshna	30	100
7	18Q61A0207	Guguloth Ganesh	30	100
8	18Q61A0208	Guguloth Pavan	30	100
9	18Q61A0209	Gunti Naveen	30	100
10	18Q61A0210	Kembasari Prasad	30	100
11	18Q61A0211	Kotrepalli Aparna	25	83.3
12	18Q61A0212	M Srinivas	30	100
13	18Q61A0213	Masna Ganesh	30	100
14	18Q61A0214	Mathangi Arun Kumar	30	100
15	18Q61A0215	Niraghatam Venkata Sai Krishna Karthik	0	0
16	18Q61A0216	Pradhumn Kumar Kharwar	30	100
17	18Q61A0217	Puli Srikanth	25	83.3
18	18Q61A0218	Sapavath Mahesh	30	100
19	18Q61A0219	Vaddepalli Jagadeesh	30	100
20	18Q61A0220	Vempati Shivani	30	100
21	18Q61A0221	Bommmoju Ranjith	30	100
22	18Q61A0222	Degala Asha	30	100
23	18Q61A0223	K Sandeep	0	0
24	18Q61A0224	Mundla Anusha	30	100
25	18Q61A0225	Vadluri Sumanth	30	100
26	19Q65A0201	A Shivam	30	100
27	19Q65A0202	Bommagani Deepika	30	100

28	19Q65A0203	Jangala Vinay Kumar	30	100
29	19Q65A0204	Mypa Sai Teja	30	100
30	19Q65A0205	Siragoni Pavan Kumar	30	100
31	19Q65A0206	Thupakula Ruparani	30	100
32	19Q65A0207	Amarabad Naresh	30	100
33	19Q65A0208	Badavath Praveen	25	83.3
34	19Q65A0209	Badineni Ajay Kumar	30	100
35	19Q65A0210	Beldhar Sandeep Sailoo	30	100
36	19Q65A0211	Challa Saiprakash Reddy	25	83.3
37	19Q65A0212	Challaguurugula Ram Prasad	30	100
38	19Q65A0213	Dhanavath Venkanna	30	100
39	19Q65A0214	Dodlapati Srikanth	30	100
40	19Q65A0215	Duba Srilakshmi	30	100
41	19Q65A0216	Garnepally Prashanth	30	100

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Date: 05-12-2020

PROGRAM REPORT

Name of the value added course: Industrial Automation with PLC
Day/Duration: 06 Days (30 Hours)
Time: 10:00 am to 04:00 pm
Resource Person: Mr.Satyavardhan Rao, Assistant Professor
Name of the Coordinator: Mr.B.Srikanth, Assistant Professor
Number of the Participants: 38

Topics covered: The following topics covered in this program

- Identify various automation systems available in different appliances.
- Use PLC to control the following devices.
- Develop and test ladder program for traffic light control system.
- Develop/test ladder program for rotating stepper motor in forward and reverse direction at constant speed.
- Identify various front panel controls of Variable Frequency Drive.

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Department of Electrical and Electronics Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.AJITHKUMAR** Bearing roll number **18Q61A0201** from the department of **EEE** completed the value added course on **"INDUSTRY AUTOMATION WITH PLC"** During the year **2020-21**.

Head of The Department

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Department of Electrical and Electronics Engineering

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **M.SAITEJA** Bearing roll number **19Q65A0204** from the department of **EEE** completed the value added course on **"INDUSTRY AUTOMATION WITH PLC"** During the year **2020-21**.

Head of The Department

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Ranga Reddy District.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

AVIH/EEE/AOC/CIR/2020-21/SEM/II/02 **Date: 23-03-2021**

CIRCULAR

This is to inform all the III B. Tech EEE & M.Tech students that, the Department organizing a Value Added Course on **"HYBRID ELECTRIC VEHICLES"**. This course is scheduled for 07 days which will take place from 29-03-2021 to 05-04-2021.All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.E.Nageshwarao with Diplomat Electrical Pvt Ltd.

HOD

Head of the Department
Electrical & Electronics Engineering
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Gunthapally (Vill), Abdullapur Met (Md)
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
III B. Tech & M.Tech EEE students
Dept. file

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ABOUT THE COURSE

Hybrid Electric Vehicle (HEV) courses are professional courses that teach students about the dynamics, charging, battery assembling, designing engines, interior and exterior spacing, etc. of hybrid electric vehicles . The HEV field has a great demand in the Engineering sector where students can specialize in multiple fields such as Designing, CAE, CFD, FEA Design, etc

COURSE OBJECTIVES

- Explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- Explain plug – in hybrid electric vehicle architecture, design and component sizing and the power electronics devices used in hybrid electric vehicles.
- Analyze various electric drives suitable for hybrid electric vehicles.
- Discuss different energy storage technologies used for hybrid electric vehicles and their control.
- Demonstrate different configurations of electric vehicles and its components, hybrid vehicle configuration by different techniques, sizing of components and design optimization and energy management.

EXPECTED OUTCOMES

- Explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- Analyze the use of different power electronics devices and electrical machines in hybrid electric vehicles.
- Explain the use of different energy storage devices used for hybrid electric vehicles, their technologies and control and select appropriate technology.
- Interpret working of different configurations of electric vehicles and its components, hybrid vehicle configuration, performance analysis and Energy Management strategies in HEVs.

Resource Person
Mr.E.Nageshwar rao
Subject Expert
Diplomat Electrical Pvt Lts

Co-ordinator
Mr.K.Chandra shekar
Assistant Professor
Department of EEE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi

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ECE,CSE&EEE UG Programmes are Accredited by NBA
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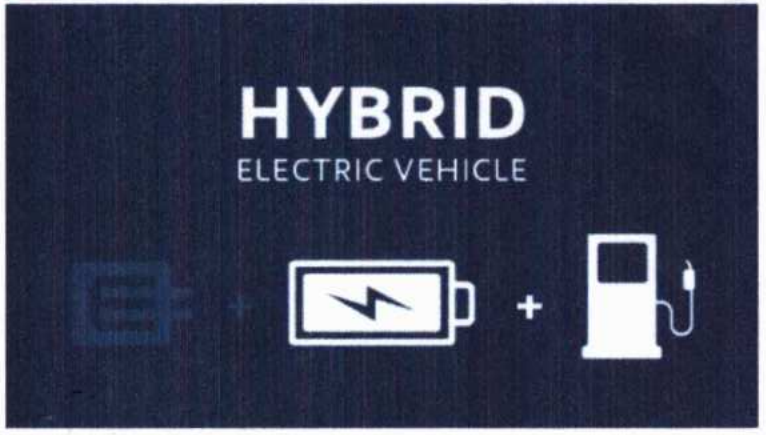
ACCREDITED WITH GRADE B++ NAAC



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VALUE ADDED COURSE ON

"HYBRID ELECTRIC VEHICLES"

29th MAR to 05th APR - 2021

ORGANIZED BY:
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **HYBRID ELECTRIC VEHICLES**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH III YEAR-II SEM

Course Objective:

- Explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- Explain plug – in hybrid electric vehicle architecture, design and component sizing and the power electronics devices used in hybrid electric vehicles.
- Analyze various electric drives suitable for hybrid electric vehicles.
- Discuss different energy storage technologies used for hybrid electric vehicles and their control.
- Demonstrate different configurations of electric vehicles and its components, hybrid vehicle configuration by different techniques, sizing of components and design optimization and energy management.

Course Outcomes:

- Explain the basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals.
- Analyze the use of different power electronics devices and electrical machines in hybrid electric vehicles.
- Explain the use of different energy storage devices used for hybrid electric vehicles, their technologies and control and select appropriate technology.
- Interpret working of different configurations of electric vehicles and its components, hybrid vehicle configuration, performance analysis and Energy Management strategies in HEVs.

UNIT-I

Introduction: Sustainable Transportation, A Brief History of HEVs, Why EVs Emerged and Failed, Architectures of HEVs, Interdisciplinary Nature of HEVs, State of the Art of HEVs, Challenges and Key Technology of HEVs. Hybridization of the Automobile: Vehicle Basics, Basics of the EV, Basics of the HEV, Basics of Plug-In Hybrid Electric Vehicle (PHEV), Basics of Fuel Cell Vehicles (FCVs).

UNIT-II

HEV Fundamentals: Introduction, Vehicle Model, Vehicle Performance, EV Power train Component Sizing, Series Hybrid Vehicle, Parallel Hybrid Vehicle, Wheel Slip Dynamics. Plug-in Hybrid Electric Vehicles: Introduction to PHEVs, PHEV Architectures, Equivalent Electric Range of Blended PHEVs, Fuel Economy of PHEVs, Power Management of PHEVs, Component Sizing of EREVs, Component Sizing of Blended PHEVs, Vehicle-to-Grid Technology. Power Electronics in HEVs:Power electronics including switching, AC-

DC, DC-AC conversion, electronic devices and circuits used for control and distribution of electric power, Thermal Management of HEV Power Electronics.

UNIT-III

Batteries, Ultra capacitors, Fuel Cells, and Controls: Introduction, Different batteries for EV, Battery Characterization, Comparison of Different Energy Storage Technologies for HEVs, Battery Charging Control, Charge Management of Storage Devices, Flywheel Energy Storage System, Hydraulic Energy Storage System, Fuel Cells and Hybrid Fuel Cell Energy Storage System and Battery Management System.

UNIT-IV

Electric Machines and Drives in HEVs: Introduction, BLDC motors, Induction Motor Drives, Permanent Magnet Motor Drives, Switched Reluctance Motors, Doubly Salient Permanent Magnet Machines, Design and Sizing of Traction Motors, Thermal Analysis and Modeling of Traction Motors. (Only functional treatment to be given).

UNIT-V

Integration of Subsystems: Matching the electric machine and the internal combustion engine (ICE), Sizing the propulsion motor, sizing the power electronics, selecting the energy storage technology, Communications, supporting subsystems. Energy Management Strategies: Introduction to energy management strategies used in hybrid and electric vehicle, classification of different energy management strategies, comparison of different energy management strategies, implementation issues of energy strategies.

REFERENCE BOOKS:

1. Iqbal Hussein, "Electric and Hybrid Vehicles: Design Fundamentals", CRC Press, 2nd Edition, 2003.
2. James Larminie, John Lowry, "Electric Vehicle Technology", Wiley publications, 1st Edition, 2003.
3. B D McNicol, D A J Rand, "Power Sources for Electric Vehicles", Elsevier publications, 1st Edition, 1998.
4. Seth Leitman, "Build Your Own Electric Vehicle" MC Graw Hill, 1st Edition, 2013.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **HYBRID ELECTRIC VEHICLES**

ACADEMIC YEAR: 2020-2021 **DATE: 23-03-2021**

B.TECH III YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
29-03-2021	Introduction: Sustainable Transportation, A Brief History of HEVs, Why EVs Emerged and	09:30 am to 04:00 pm	6 hour
30-03-2021	HEV Fundamentals: Introduction, Vehicle Model, Vehicle Performance, EV Power train Component Sizing, Series Hybrid Vehicle	09:30 am to 04:00 pm	6 hour
31-03-2021	Batteries, Ultra capacitors, Fuel Cells, and Controls: Introduction, Different batteries for	09:30 am to 04:00 pm	6 hour
01-04-2021	EV, Battery Characterization, Comparison of Different Energy Storage Technologies for HEVs	09:30 am to 04:00 pm	6 hour
02-04-2021	Electric Machines and Drives in HEVs: Introduction, BLDC motors, Induction Motor Drives, Permanent Magnet Motor Drives, Switched Reluctance	09:30 am to 04:00 pm	6 hour
03-04-2021	Integration of Subsystems: Matching the electric machine and the internal combustion engine (ICE), Sizing the propulsion motor,	09:30 am to 04:00 pm	6 hour
05-04-2021	Sizing the power electronics, selecting the energy storage technology, Communications, supporting subsystems.	09:30 am to 04:00 pm	6 hour
			Total – 42 hours

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **HYBRID ELECTRIC VEHICLES**

III YEAR II–SEM Enrolled Students List Date: 29-03.2021 to 05-04-2021

S.No	Roll Number	Name of The Student
1	19Q65A0217	Godugu Manohar
2	19Q65A0218	Golakoti Sindhu Sri
3	19Q65A0219	Gubbala Sri Chandana
4	19Q65A0220	Jammuladinne Raghuvarma Reddy
5	19Q65A0221	Kanuru Teja
6	19Q65A0222	Konaparthi Kalyan Kumar
7	19Q65A0223	L Yashwanth
8	19Q65A0224	Laknapuram Niranjan Reddy
9	19Q65A0225	Lingampalli Saicharan
10	19Q65A0226	Madasu Pranay
11	19Q65A0227	Madoori Sumanth
12	19Q65A0228	Medarapu Raj Kumar
13	19Q65A0229	Nakka Madhu Krishna
14	19Q65A0230	Nallamalla Sai Charitha
15	19Q65A0231	Putla Srinivas
16	19Q65A0232	R Vamshikrishna
17	19Q65A0233	Ragam Saishyam
18	19Q65A0234	Rayabarapu Sandeep
19	19Q65A0235	Shaik Thasleem
20	19Q65A0236	Siragoni Madhavi
21	19Q65A0237	Tangella Aishwarya
22	19Q65A0238	Thupakula Gopi Chand
23	19Q65A0239	Vadde Srinivasulu
24	19Q65A0240	Vinay Veldandi
25	19Q61D0701	Apoori Srilatha
26	19Q61D0702	Bongu Ramya
27	19Q61D0703	Boyapally Anitha
28	19Q61D0704	Duddeda Raju
29	19Q61D0706	Jakkula Naresh
30	19Q61D0707	K Naresh Goud
31	19Q61D0708	Kasani Srikanth
32	19Q61D0709	Kondagadupula Sunil

33	19Q61D0710	Kunsoth Priyanka
34	19Q61D0711	Musham Deepika
35	19Q61D0712	Nadimpally Anusha
36	19Q61D0713	Rafee Shaik
37	19Q61D0714	Sangepu Rajeshwari
38	19Q61D0715	Vankudothu Shankar
39	19Q61D0716	Bathula Sravan Kumar
40	19Q61D0717	Kanakam Usha Kiran

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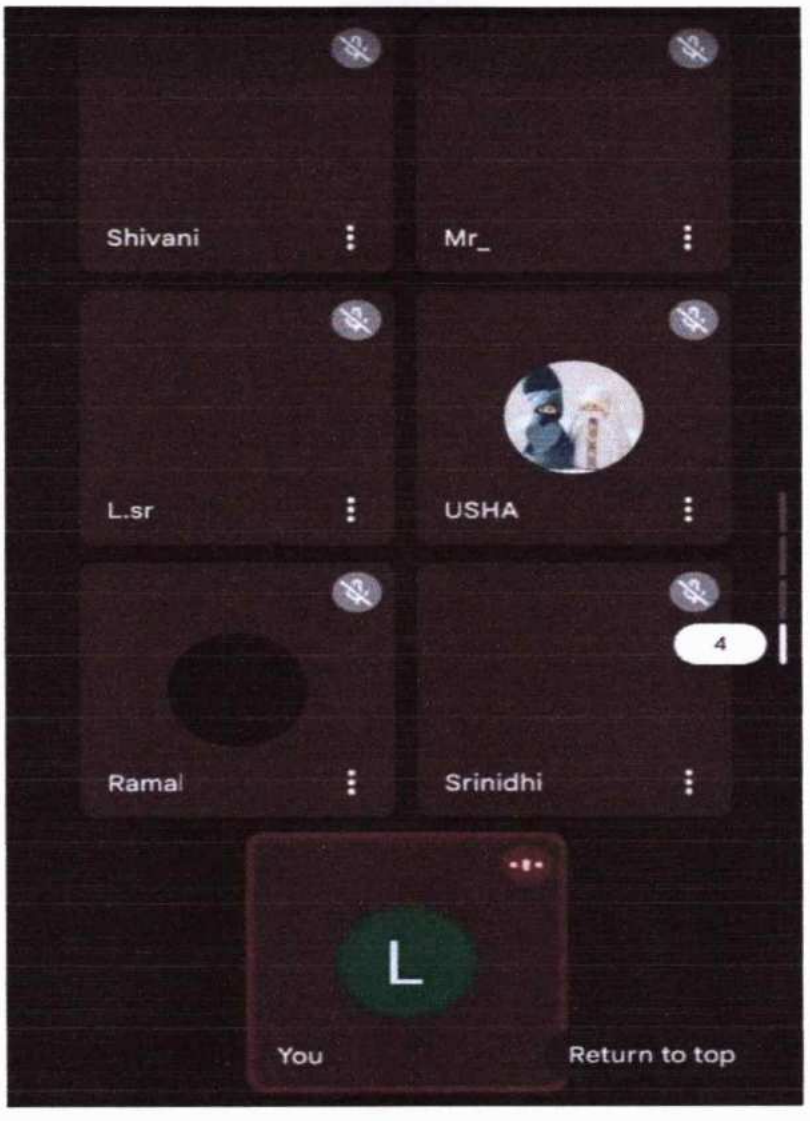

The students of III year B.Tech certificate program attending "HYBRID ELECTRIC VEHICLES" by Mr.E.Nageshwarao assistant professor.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **HYBRID ELECTRIC VEHICLES**

III YEAR II–SEM **A.Y 2020-2021** **Date: 23-03.2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	29.03.21	30.03.21	31.03.31	01.04.21	02.04.21	03.04.21	05.04.21
1	19Q65A0217	Godugu Manohar	P	P	P	P	P	P	P
2	19Q65A0218	Golakoti Sindhu Sri	P	P	P	P	P	P	P
3	19Q65A0219	Gubbala Sri Chandana	P	P	P	P	P	P	P
4	19Q65A0220	Jammuladinne Raghuvarma Reddy	P	P	P	P	P	P	P
5	19Q65A0221	Kanuru Teja	P	P	P	P	P	P	P
6	19Q65A0222	Konaparthi Kalyan Kumar	P	P	P	P	P	P	P
7	19Q65A0223	L Yashwanth	P	P	P	P	P	P	P
8	19Q65A0224	Laknapuram Niranjan Reddy	A	A	A	A	A	A	A
9	19Q65A0225	Lingampalli Saicharan	P	P	P	P	P	P	P
10	19Q65A0226	Madasu Pranay	P	P	A	P	P	P	P
11	19Q65A0227	Madoori Sumanth	P	P	P	P	P	P	P
12	19Q65A0228	Medarapu Raj Kumar	P	P	P	P	P	P	P
13	19Q65A0229	Nakka Madhu Krishna	A	P	P	P	P	P	P
14	19Q65A0230	Nallamalla Sai Charitha	P	P	P	P	P	P	P
15	19Q65A0231	Putla Srinivas	P	P	P	P	P	P	P
16	19Q65A0232	R Vamshikrishna	P	P	P	P	P	P	P
17	19Q65A0233	Ragam Saishyam	P	P	P	P	P	P	P
18	19Q65A0234	Rayabarapu Sandeep	P	P	P	P	P	P	P
19	19Q65A0235	Shaik Thasleem	P	P	P	P	P	P	P
20	19Q65A0236	Siragoni Madhavi	P	P	P	P	P	P	P
21	19Q65A0237	Tangella Aishwarya	P	P	P	P	P	P	P
22	19Q65A0238	Thupakula Gopi Chand	P	P	P	P	P	P	P
23	19Q65A0239	Vadde Srinivasulu	A	A	A	A	A	A	A
24	19Q65A0240	Vinay Veldandi	P	P	P	P	P	P	P
25	19Q61D0701	Apoori Srilatha	P	P	P	P	P	P	P
26	19Q61D0702	Bongu Ramya	P	P	P	A	P	P	P
27	19Q61D0703	Boyapally Anitha	P	P	P	P	P	P	P
28	19Q61D0704	Duddeda Raju	P	P	P	P	P	P	P
29	19Q61D0706	Jakkula Naresh	P	P	P	P	P	P	P
30	19Q61D0707	K Naresh Goud	A	P	P	P	P	P	P
31	19Q61D0708	Kasani Srikanth	P	P	P	P	P	P	P
32	19Q61D0709	Kondagadupula Sunil	P	P	P	P	P	P	P
33	19Q61D0710	Kunsoth Priyanka	P	P	P	P	P	P	P
34	19Q61D0711	Musham Deepika	P	P	P	P	P	P	P
35	19Q61D0712	Nadimpally Anusha	P	P	P	P	P	P	P
36	19Q61D0713	Rafee Shaik	P	P	P	P	P	P	P
37	19Q61D0714	Sangepu Rajeshwari	P	P	P	P	P	P	P

38	19Q61D0715	Vankudothu Shankar	P	P	P	A	P	P	P
39	19Q61D0716	Bathula Sravan Kumar	A	A	A	A	A	A	A
40	19Q61D0717	Kanakam Usha Kiran	P	P	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **HYBRID ELECTRIC VEHICLES**

III YEAR II–SEM **A.Y 2020-21** **Date: 29-03.2021 to 05-04-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q65A0217	Godugu Manohar	42	100
2	19Q65A0218	Golakoti Sindhu Sri	42	100
3	19Q65A0219	Gubbala Sri Chandana	42	100
4	19Q65A0220	Jammuladinne Raghuvarma Reddy	42	100
5	19Q65A0221	Kanuru Teja	42	100
6	19Q65A0222	Konaparthi Kalyan Kumar	42	100
7	19Q65A0223	L Yashwanth	42	100
8	19Q65A0224	Laknapuram Niranjan Reddy	0	0
9	19Q65A0225	Lingampalli Saicharan	42	100
10	19Q65A0226	Madasu Pranay	36	85.7
11	19Q65A0227	Madoori Sumanth	42	100
12	19Q65A0228	Medarapu Raj Kumar	42	100
13	19Q65A0229	Nakka Madhu Krishna	36	85.7
14	19Q65A0230	Nallamalla Sai Charitha	42	100
15	19Q65A0231	Putla Srinivas	42	100
16	19Q65A0232	R Vamshikrishna	42	100
17	19Q65A0233	Ragam Saishyam	42	100
18	19Q65A0234	Rayabarapu Sandeep	42	100
19	19Q65A0235	Shaik Thasleem	42	100
20	19Q65A0236	Siragoni Madhavi	42	100
21	19Q65A0237	Tangella Aishwarya	42	100
22	19Q65A0238	Thupakula Gopi Chand	42	100
23	19Q65A0239	Vadde Srinivasulu	0	0
24	19Q65A0240	Vinay Veldandi	42	100
25	19Q61D0701	Apoori Srilatha	42	100
26	19Q61D0702	Bongu Ramya	36	85.7
27	19Q61D0703	Boyapally Anitha	42	100
28	19Q61D0704	Duddeda Raju	42	100
29	19Q61D0706	Jakkula Naresh	42	100
30	19Q61D0707	K Naresh Goud	36	85.7
31	19Q61D0708	Kasani Srikanth	42	100

32	19Q61D0709	Kondagadupula Sunil	42	100
33	19Q61D0710	Kunsoth Priyanka	42	100
34	19Q61D0711	Musham Deepika	42	100
35	19Q61D0712	Nadimpally Anusha	42	100
36	19Q61D0713	Rafee Shaik	42	100
37	19Q61D0714	Sangepu Rajeshwari	42	100
38	19Q61D0715	Vankudothu Shankar	36	85.7
39	19Q61D0716	Bathula Sravan Kumar	0	0
40	19Q61D0717	Kanakam Usha Kiran	42	100

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Date: 10-04-2021

PROGRAM REPORT

Name of the value added course: Hybrid Electric Vehicles
Day/Duration: 07 Days (42 Hours)
Time: 09:30 am to 04:00 pm
Resource Person: Mr.E.Nageshwarao with Diplomat Electrical Pvt Ltd
Name of the Coordinator: Mr.K.Chandra Shekar Assistant Professor
Number of the Participants: 37
Topics covered: The following topics covered in this program

- Hybridization of the Automobile
- HEV Fundamentals and Plug-in Hybrid Electric Vehicles
- Batteries, Ultra capacitors, Fuel Cells, and Controls
- Electric Machines and Drives in HEVs
- Energy Management Strategies

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22 / 163 - 2 , 3rd Floor, Above Tadla Eye Hospital,
Jayanagar Colony, Opp. KPHB, Kukatpally,
Hyderabad - 500 072 Andra Pradesh, India.
Tel. No. : +91 - 40 - 40064747.

E-mail : adminhyd@diplomatelectricals.com

CERTIFICATE

OF COURSE COMPLETION

Mr./Ms. **M.PRANAY** Bearing Roll.No **19Q65A0226** Department of **ELECTRICAL AND ELECTRONICS ENGINEERING** from **Avanthi Institute of Engineering & Technology,**Gunthapally,Abdullapurmettu,Rangareddy has participated in "**HYBRID ELECTRIC VEHICLES**" Organized by '**Diplomat Electricals pvt. Ltd.**' During dates **29/03/2021** to **05/04/2021**.

Sd/-
Authorized Signatory
M/s Diplomat Electricals Pvt. Ltd

Head of the Department
Electrical & Electronics Engineering
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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Hyderabad - 500 072 Andra Pradesh, India.
Tel. No. : +91 - 40 - 40064747.

E-mail : adminhyd@diplomatelectricals.com

CERTIFICATE

OF COURSE COMPLETION

Mr./Ms. **S.RAJESHWARI** Bearing Roll.No **19Q61D0714** Department of **ELECTRICAL AND ELECTRONICS ENGINEERING** from **Avanthi Institute of Engineering & Technology,**Gunthapally,Abdullapurmettu,Rangareddy has participated in "**HYBRID ELECTRIC VEHICLES**" Organized by '**Diplomat Electricals pvt. Ltd.**' During dates **29/03/2021** to **05/04/2021**.

Sd/-
Authorized Signatory
M/s **Diplomat Electricals Pvt. Ltd**

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

AVIH/EEE/AOC/CIR/2020-2l/SEM/II/03 **Date: 28-04-2021**

CIRCULAR

This is to inform all the II B.Tech &I M.Tech EEE students that, the Department organizing a Value Added Course on **"ENERGY STORAGE SYSTEM "**. This course is scheduled for 07 days which will take place from 03-05-2021 to 10-05-2021.All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.G.Mohan with Green Life Energy Solutions LLP.

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II B.Tech &I M.Tech EEE students
Dept. file

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ABOUT THE COURSE

Courses cover the energy storage landscape (trends, types and applications), essential elements (components, sizing), technical and project risks, and the energy storage market. Additionally, we can provide combined courses covering wind, solar and/or grid-connection as well.

COURSE OBJECTIVES

- To provide a foundation for understanding the general principles and fundamentals of Li-Ion battery technology design and operation.
- To understand the expectancy of the hydrogen as a fuel and energy vector in the context of the renewable energy without CO2.
- To learn basic electrochemical principles of the hydrogen fuel cells, basic fuel cell design concepts, fuel cell systems concepts.

EXPECTED OUTCOMES

- State the various parts of the battery and their functions.
- Describe the discharging and charging process of a lithium-ion battery.
- Describe the components of a fuel cell and explain the purpose of each one.
- Explain and analyze dynamic fuel cell behavior.
- Understand - how fuel cells are used for everyday purposes: road, water and air transport vehicles, portable and stationary use.

Resource Person
Mr.G.Mohan
Subject Expert
Green Life Energy Solutions LLP

Co-ordinator
Mr.M.Shankar
Assistant Professor
Department of EEE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi

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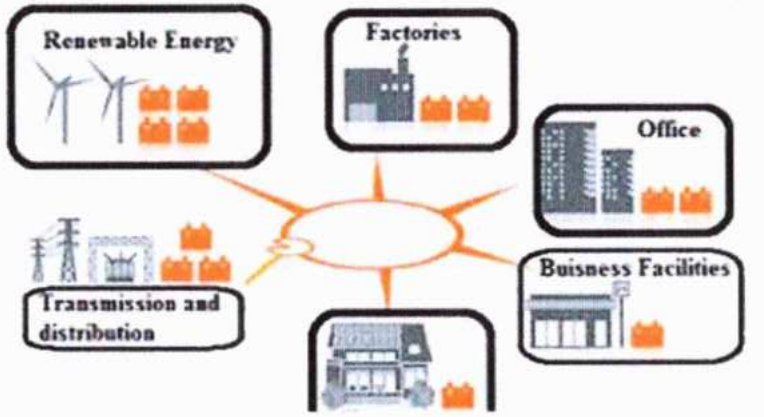

VALUE ADDED COURSE ON

"ENERGY STORAGE SYSTEM"

03rd to 10th MAY - 2021

PRINCIPAL
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ORGANIZED BY:
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **ENERGY STORAGE SYSTEM**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

II B.Tech &I M.Tech -II SEM

Course Objective:

- To provide a foundation for understanding the general principles and fundamentals of Li-Ion battery technology design and operation.
- To understand the expectancy of the hydrogen as a fuel and energy vector in the context of the renewable energy without CO_2.
- To learn basic electrochemical principles of the hydrogen fuel cells, basic fuel cell design concepts, fuel cell systems concepts.

Course Outcomes:

- State the various parts of the battery and their functions.
- Describe the discharging and charging process of a lithium-ion battery.
- Describe the components of a fuel cell and explain the purpose of each one.
- Explain and analyze dynamic fuel cell behavior.
- Understand - how fuel cells are used for everyday purposes: road, water and air transport vehicles, portable and stationary use.

MODULE-I

Battery technology Overview: Battery definitions, terms and terminology, Battery types and their properties. Introduction to lithium ion battery, Components, functions, advantages and disadvantages of lithium-ion batteries, Growth & development of Li-Ion batteries, charging procedures, Safety of lithium-ion batteries, Lifetime.

MODULE-II

Types of lithium ion battery: Lithium Cobalt Oxide (LCO), Lithium Iron Phosphate Battery (LFP), Lithium Manganese Oxide (LMO), Lithium Nickel Cobalt Aluminum Oxide (LNCA), Lithium Nickel Manganese Cobalt Oxide (LNMC), Lithium Polymer Battery, Lithium Polymer Battery technology, Difference between the lithium ion and lithium polymer.

MODULE-III

Applications of Li-ion battery: i. Battery Requirements- Electrical Requirements, Thermal Requirements, Mechanical Requirements. ii. Automotive Applications- Drive Cycles, SLI (starting, lighting and ignition) batteries, Start-Stop (Micro) Hybrids, Power Assist Hybrids, Plug-In Hybrids, BEVs.

MODULE-IV Fuel Cells: Introduction to fuel cells, components of fuel cells, Types of fuel cells: Alkaline fuel cells, proton exchange membrane fuel cell, phosphoric acid fuel cell, molten carbonate fuel cell. Solid oxide fuel cell, Types of solid oxide fuel cells: High temperature, intermediate temperature Single chamber solid oxide fuel cells.

MODULE-V

Working Principle and Application of fuel cells: working principle of fuel cell, performance characteristics of fuel cells, efficiency of fuel cell, fuel cell stack, description of some commercially available fuel cell stacks, fuel cell cars and buses, overview on research activities.

TEXT BOOKS:

1. Lithium-Ion Batteries Basics and Applications by Reiner Korthauer, Springer.
2. Lithium-Ion Batteries Science and Technologies by Ralph J. Brodd (auth.), Masaki Yoshio, Ralph J. Brodd, Akiya Kozawa (eds.), Springer.
3. Lithium-ion Batteries Fundamentals and Applications. by Wu, Yuping, CRC Press, Taylor and Francis.
4. O'hayre, S.W. Cha, W.G. Colella, F.B. Prinz, Fuel Cell Fundamentals, 3rd edition, Wiley publisher.
5. High-temperature Solid Oxide Fuel Cells for the 21st Century, Second Edition Fundamentals, Design and Applications by Kendall, Kevin Kendall, Michaela.
6. Fuel cells from fundamentals to applications by Subramanian Srinivasan, Springer.

REFERENCE BOOKS:

1. Handbook of lithium-ion battery pack design chemistry, components, types and terminology by Warner, John T, Elsevier.
2. Fundamentals and Application of Lithium-ion Battery Management in Electric Drive Vehicles by San Ping Jiang, Wiley.
3. Lithium ion rechargeable batteries by edited by Kazunori Ozawa, Wiley.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **ENERGY STORAGE SYSTEM**

ACADEMIC YEAR: 2020-2021 **DATE: 28-04-2021**
II B.Tech &I M.Tech -II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
03-05-2021	Battery technology Overview: Battery definitions, terms and terminology, Battery types and their properties. Introduction to lithium ion battery	09:30 am to 04:00 pm	6 hour
04-05-2021	Types of lithium ion battery: Lithium Cobalt Oxide (LCO), Lithium Iron Phosphate Battery (LFP), Lithium Manganese Oxide	09:30 am to 04:00 pm	6 hour
05-05-2021	Lithium Nickel Manganese Cobalt Oxide (LNMC), Lithium Polymer Battery, Lithium Polymer Battery technology,	09:30 am to 04:00 pm	6 hour
06-05-2021	Applications of Li-ion battery: i. Battery Requirements- Electrical Requirements, Thermal Requirements, Mechanical Requirements. ii. Automotive Applications- Drive Cycles	09:30 am to 04:00 pm	6 hour
07-05-2021	Fuel Cells: Introduction to fuel cells, components of fuel cells, Types of fuel cells: Alkaline fuel cells	09:30 am to 04:00 pm	6 hour
08-05-2021	Solid oxide fuel cell, Types of solid oxide fuel cells: High temperature, intermediate temperature Single chamber solid oxide fuel cells.	09:30 am to 04:00 pm	6 hour
10-05-2021	Working Principle and Application of fuel cells: working principle of fuel cell, performance characteristics of fuel cells, efficiency of fuel cell	09:30 am to 04:00 pm	6 hour
			Total – 42 hours

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **ENERGY STORAGE SYSTEM**

II B.Tech &I M.tech -II SEM **Enrolled Students List Date: 03-05-2021 to 10-05-2021**

S.No	Roll Number	Name of The Student
1	20Q65A0222	Medishetti Vamshi Krishna
2	20Q65A0223	Mohammad Abdul Rahman
3	20Q65A0224	Mohammad Sohel
4	20Q65A0225	Molugu Ajay Bhargav
5	20Q65A0226	Myaka Nandakrishna
6	20Q65A0227	Myakala Raju
7	20Q65A0228	Nakeertha Vinesh
8	20Q65A0229	Nakerakanti Bhanu Prakash
9	20Q65A0230	Nallamudi Karthikeya
10	20Q65A0231	Nunavath Vamshi Nayak
11	20Q65A0232	Padala Abhinay
12	20Q65A0233	Pagidi Shiva Kumar
13	20Q65A0234	Penjarla Ganesh
14	20Q65A0235	Ragula Ganesh
15	20Q65A0236	Rayudu Jagadeesh Sai
16	20Q65A0237	Sandineni Harish
17	20Q65A0238	Shaga Raju
18	20Q65A0239	Sura Manikanta
19	20Q65A0240	Vinukonda Laxman Kumar
20	20Q65A0241	Yousuf Khan
21	20Q61D0701	Bandarapu Achyuth
22	20Q61D0702	Boddu Ramya
23	20Q61D0703	Bommakanti Mounika
24	20Q61D0704	Chennoju Bhavani
25	20Q61D0705	G Anil Kumar
26	20Q61D0706	Gade Prashanth
27	20Q61D0707	Kuthati Venkatesh
28	20Q61D0708	Madana Harishbabu
29	20Q61D0709	Mekala Narender
30	20Q61D0710	Polampally Pranitha
31	20Q61D0711	Ramavath Narendar
32	20Q61D0712	Sayyad Ismail

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33	20Q61D0713	Sk Nizamuddin
34	20Q61D0714	Somagani Pallavi
35	20Q61D0715	Srirama Priyachandana
36	20Q61D0716	Tammanaboina Nikitha
37	20Q61D0717	Pasula Harsha Kishore
38	20Q61D0718	Pochimireddy Suresh Reddy
39	20Q61D0719	Shaik Muzaffar
40	20Q61D0720	Periketi Priyanka
41	20Q61D0721	Neelakantam Sai Pavan Kumar

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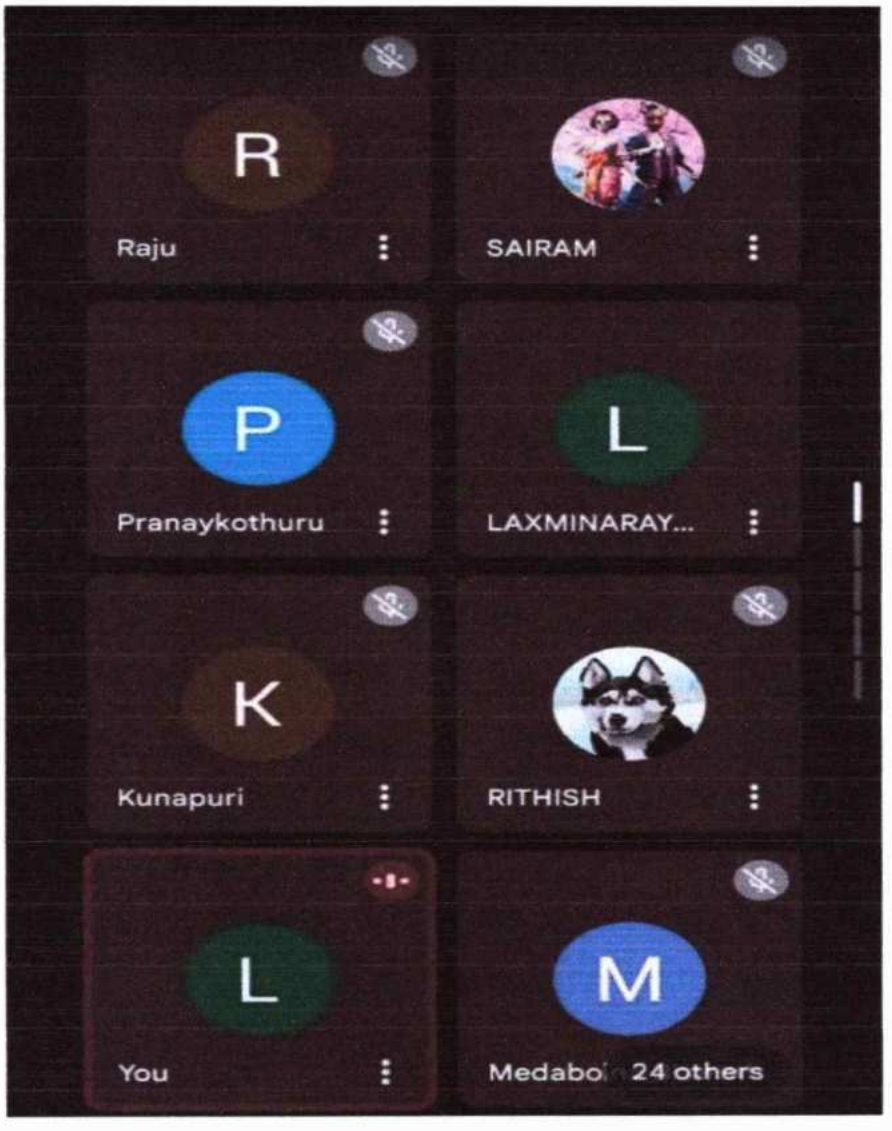

The students of II year B.Tech certificate program attending "ENERGY STORAGE SYSTEM" by Mr.G.Mohan assistant professor.

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **ENERGY STORAGE SYSTEM**

II B.Tech &I M.tech -II SEM **A.Y 2020-2021** **Date: 28-04-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	03.05.21	04.05.21	05.05.21	06.05.21	07.05.21	08.05.21	10.05.21
1	20Q65A0222	Medishetti Vamshi Krishna	P	P	P	P	P	P	P
2	20Q65A0223	Mohammad Abdul Rahman	A	A	A	A	A	A	A
3	20Q65A0224	Mohammad Sohel	P	P	P	P	P	P	P
4	20Q65A0225	Molugu Ajay Bhargav	P	A	P	P	P	P	P
5	20Q65A0226	Myaka Nandakrishna	P	P	P	P	P	P	P
6	20Q65A0227	Myakala Raju	P	P	P	P	P	P	P
7	20Q65A0228	Nakeertha Vinesh	P	P	P	P	P	P	P
8	20Q65A0229	Nakerakanti Bhanu Prakash	P	P	P	P	P	P	P
9	20Q65A0230	Nallamudi Karthikeya	A	A	A	A	A	A	A
10	20Q65A0231	Nunavath Vamshi Nayak	P	P	P	P	P	P	P
11	20Q65A0232	Padala Abhinay	P	P	P	P	P	P	P
12	20Q65A0233	Pagidi Shiva Kumar	P	P	P	P	P	P	P
13	20Q65A0234	Penjarla Ganesh	A	P	P	P	P	P	P
14	20Q65A0235	Ragula Ganesh	P	P	P	P	P	P	P
15	20Q65A0236	Rayudu Jagadeesh Sai	P	P	P	P	P	P	P
16	20Q65A0237	Sandineni Harish	P	P	P	P	P	P	P
17	20Q65A0238	Shaga Raju	A	A	A	A	A	A	A
18	20Q65A0239	Sura Manikanta	P	P	P	P	P	P	P
19	20Q65A0240	Vinukonda Laxman Kumar	P	P	P	P	P	P	P
20	20Q65A0241	Yousuf Khan	P	P	P	A	P	P	P
21	20Q61D0701	Bandarapu Achyuth	P	P	P	P	P	P	P
22	20Q61D0702	Boddu Ramya	P	P	P	P	P	P	P
23	20Q61D0703	Bommakanti Mounika	P	P	P	P	P	P	P
24	20Q61D0704	Chennoju Bhavani	A	P	P	P	P	P	P
25	20Q61D0705	G Anil Kumar	P	P	P	P	P	P	P
26	20Q61D0706	Gade Prashanth	P	P	P	P	P	P	P
27	20Q61D0707	Kuthati Venkatesh	P	P	P	P	P	P	P
28	20Q61D0708	Madana Harishbabu	P	P	P	P	P	P	P
29	20Q61D0709	Mekala Narender	P	P	P	P	P	P	P
30	20Q61D0710	Polampally Pranitha	P	P	P	P	P	P	P
31	20Q61D0711	Ramavath Narendar	P	P	P	P	P	P	P
32	20Q61D0712	Sayyad Ismail	P	P	P	P	P	P	P

33	20Q61D0713	Sk Nizamuddin	A	A	A	A	A	A	A
34	20Q61D0714	Somagani Pallavi	P	P	P	P	P	P	P
35	20Q61D0715	Srirama Priyachandana	P	P	A	P	P	P	P
36	20Q61D0716	Tammanaboina Nikitha	P	P	P	P	P	P	P
37	20Q61D0717	Pasula Harsha Kishore	P	P	P	P	P	P	P
38	20Q61D0718	Pochimireddy Suresh Reddy	A	A	A	A	A	A	A
39	20Q61D0719	Shaik Muzaffar	P	P	P	P	P	P	P
40	20Q61D0720	Periketi Priyanka	P	P	P	P	P	P	P
41	20Q61D0721	Neelakantam Sai Pavan Kumar	P	P	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **ENERGY STORAGE SYSTEM**

II B.Tech &I M.tech -II SEM **A.Y 2020-21** **Date: 03-05-2021 to 10-05-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q65A0222	Medishetti Vamshi Krishna	42	100
2	20Q65A0223	Mohammad Abdul Rahman	0	0
3	20Q65A0224	Mohammad Sohel	42	100
4	20Q65A0225	Molugu Ajay Bhargav	36	85.7
5	20Q65A0226	Myaka Nandakrishna	42	100
6	20Q65A0227	Myakala Raju	42	100
7	20Q65A0228	Nakeertha Vinesh	42	100
8	20Q65A0229	Nakerakanti Bhanu Prakash	42	100
9	20Q65A0230	Nallamudi Karthikeya	0	0
10	20Q65A0231	Nunavath Vamshi Nayak	42	100
11	20Q65A0232	Padala Abhinay	42	100
12	20Q65A0233	Pagidi Shiva Kumar	42	100
13	20Q65A0234	Penjarla Ganesh	36	85.7
14	20Q65A0235	Ragula Ganesh	42	100
15	20Q65A0236	Rayudu Jagadeesh Sai	42	100
16	20Q65A0237	Sandineni Harish	42	100
17	20Q65A0238	Shaga Raju	0	0
18	20Q65A0239	Sura Manikanta	42	100
19	20Q65A0240	Vinukonda Laxman Kumar	42	100
20	20Q65A0241	Yousuf Khan	36	85.7
21	20Q61D0701	Bandarapu Achyuth	42	100
22	20Q61D0702	Boddu Ramya	42	100
23	20Q61D0703	Bommakanti Mounika	42	100
24	20Q61D0704	Chennoju Bhavani	36	85.7
25	20Q61D0705	G Anil Kumar	42	100
26	20Q61D0706	Gade Prashanth	42	100
27	20Q61D0707	Kuthati Venkatesh	42	100
28	20Q61D0708	Madana Harishbabu	42	100
29	20Q61D0709	Mekala Narender	42	100
30	20Q61D0710	Polampally Pranitha	42	100
31	20Q61D0711	Ramavath Narendar	42	100

32	20Q61D0712	Sayyad Ismail	42	100
33	20Q61D0713	Sk Nizamuddin	0	0
34	20Q61D0714	Somagani Pallavi	42	100
35	20Q61D0715	Srirama Priyachandana	36	85.7
36	20Q61D0716	Tammanaboina Nikitha	42	100
37	20Q61D0717	Pasula Harsha Kishore	42	100
38	20Q61D0718	Pochimireddy Suresh Reddy	0	0
39	20Q61D0719	Shaik Muzaffar	42	100
40	20Q61D0720	Periketi Priyanka	42	100
41	20Q61D0721	Neelakantam Sai Pavan Kumar	42	100

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Date: 15-05-2021

PROGRAM REPORT

Name of the value added course: Energy Storage System
Day/Duration: 7 Days (42 Hours)
Time: 09:30 am to 04:00 pm
Resource Person: Mr.G.Mohan, Subject Expert, Green Life Energy Solutions LLP.
Name of the Coordinator: Mr. M.Shankar Assistant Professor
Number of the Participants: 37
Topics covered: The following topics covered in this program

- Battery technology Overview
- Types of lithium ion battery
- Applications of Li-ion battery
- Fuel Cells
- Working Principle and Application of fuel cells

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Greenlife Energy Solutions LLP

First Floor, 34/3, Lalitha Nagar Colony,
West Maredpally, Secunderabad - 500015
Cell: +91-889 707 5990 | +91-984 9678 080

Email: info@gles.in | mkt@gles.in

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **S.MANIKANTA** Bearing Reg.No **20Q65A0239** is participated in **"ENERGY STORAGE SYSTEM"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'Greenlife Energy Solutions LLP'** from **03/05/2021 to 10/05/2021.**

Sd/-

Authorised Signatory

M/s GREEN LIFE ENERGY SOLUTIONS LLP

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Greenlife Energy Solutions LLP

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West Maredpally, Secunderabad - 500015
Cell: +91-889 707 5990 | +91-984 9678 080

Email: info@gles.in | mkt@gles.in

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **S.ISMAIL** Bearing Reg.No **20Q61D0712** is participated in **"ENERGY STORAGE SYSTEM"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'Greenlife Energy Solutions LLP'** from **03/05/2021 to 10/05/2021.**

Sd/-

Authorised Signatory

M/s GREEN LIFE ENERGY SOLUTIONS LLP

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

AVIH/EEE/AOC/CIR/2020-2I/SEM/II/01 **Date: 27-01-2021**

CIRCULAR

This is to inform all the IV B. Tech EEE students that, the Department organizing a Value Added Course on **"PYTHON APPLICATIONS - NUMPY AND PANDAS "**.This course is scheduled for 15 days which will take place from 01-02-2021 to 22-02-2021 in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.S.Jeevan Kumar with Shellex Software Solutions Pvt Ltd.

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IV B. Tech EEE students
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ABOUT THE COURSE

Pandas has powerful tools like Series, DataFrame etc. NumPy has a powerful tool like Arrays. Pandas is used in popular organizations like Instacart, SendGrid, and Sighten. NumPy is used in the popular organization like SweepSouth.

COURSE OBJECTIVES

- **To install and run the Python interpreter**
- **To learn control structures.**
- **To Understand Lists, Dictionaries in python**
- **To Handle Strings and Files in Python**

EXPECTED OUTCOMES

- **Create your first program in Python IDLE.**
- **Implement OOPs concepts in your programming.**
- **Use Arrays, and Data structures.**
- **Create an application with the support of graphics in Python.**
- **Implement error handling.**
- **When students complete Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions.**

Resource Person
Mr.S.Jeevan Kumar
Subject Expert
Shellex Software Solutions Pvt Ltd

Co-ordinator
Mr.G.Omsuraj
Assistant Professor
Department of EEE

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-eibyzi

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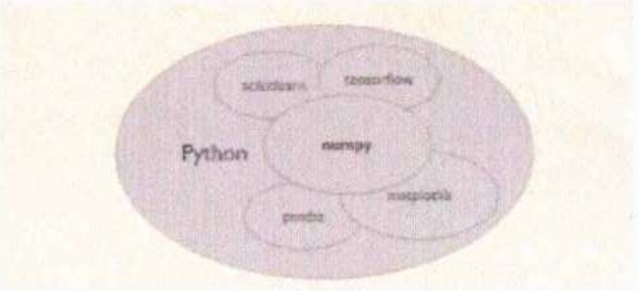

VALUE ADDED COURSE ON

" Python Applications - Numpy and Pandas"

01st to 22nd FEB - 2021

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ORGANIZED BY:
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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

B.TECH IV-YEAR-II SEM

Course objectives:

- To install and run the Python interpreter
- To learn control structures.
- To Understand Lists, Dictionaries in python
- To Handle Strings and Files in Python

Module 1: Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions?

Module 2: Iteration, Strings, Files

Module 3: Lists, Dictionaries, Tuples, Regular Expressions

Module 4: Classes and objects, Classes and functions, Classes and methods

Module 5: Networked programs, Using Web Services, Using databases and SQL, Numpy and Pandas

TEXT BOOK:

1. Learning Python, Mark Lutz, O'reilly

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

ACADEMIC YEAR: 2020-2021 **DATE: 27-01-2021**

B.TECH IV YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	Introduction To Python Language,Datatypes,Operators	02:00 pm to 05:00 pm	3 hour
02-02-2021	Input & Output In Python, Control Statements, Arrays	02:00 pm to 05:00 pm	3 hour
03-02-2021	Strings, Lists & Tuples, Dictionaries	02:00 pm to 05:00 pm	3 hour
04-02-2021	OOPS, Classes & Objects, Inheritance & Polymorphism	02:00 pm to 05:00 pm	3 hour
08-02-2021	Abstract Class & Interface, Exceptions, File Handling	02:00 pm to 05:00 pm	3 hour
09-02-2021	Input & Output In Python, Control Statements, Arrays	02:00 pm to 05:00 pm	3 hour
10-02-2021	Regular Expressions, Data Structures,	02:00 pm to 05:00 pm	3 hour
11-02-2021	Data Structures, Date & Time	02:00 pm to 05:00 pm	3 hour
12-02-2021	GUI In Python	02:00 pm to 05:00 pm	3 hour
15-02-2021	Networking	02:00 pm to 05:00 pm	3 hour
16-02-2021	Python Database Connectivity, SQL	02:00 pm to 05:00 pm	3 hour
17-02-2021	Data Science Using Python	02:00 pm to 05:00 pm	3 hour
18-02-2021	Threads	02:00 pm to 05:00 pm	3 hour
19-02-2021	Python Pandas	02:00 pm to 05:00 pm	3 hour
22-02-2021	Numpy Python	02:00 pm to 05:00 pm	3 hour
		Total – 45 hours	

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **Enrolled Students List** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student
1	17Q61A0201	Ale Dinesh
2	17Q61A0203	Bera Mahesh
3	17Q61A0204	Devasoth Rajender
4	17Q61A0205	Karmolla Gopal
5	17Q61A0206	Kasam Akhil Reddy
6	17Q61A0207	Kumari Megha
7	17Q61A0208	Maali Harika
8	17Q61A0209	Markonda Mukesh Chandra
9	17Q61A0210	Mudhireddy Praveen Reddy
10	17Q61A0211	Nidamanuri Yaswanth
11	17Q61A0212	Penjarla Raghavendra
12	17Q61A0213	Potharajula Shankara Sheshanka Kireeti
13	17Q61A0214	Priti Kumari
14	17Q61A0216	Thumma S P Spandan Sagar
15	17Q61A0217	Silveru Ravi Kumar
16	17Q61A0218	Madiga Tharunteja
17	16Q61A0219	Poluri Naga Sai Harish
18	16Q61A0222	Salluri Mahesh
19	18Q65A0201	Agraram Santhosha
20	18Q65A0202	Barla Shailaja
21	18Q65A0203	Bathini Gopi
22	18Q65A0204	Bollu Prabhu Kumar
23	18Q65A0205	Challa Akanksha
24	18Q65A0206	D Ashok Kumar Reddy
25	18Q65A0207	Enugala Jeevan John Paul
26	18Q65A0208	Gangula Bharath Chandra
27	18Q65A0209	Gollapally Saikumar
28	18Q65A0210	Gunda Himakar Raju
29	18Q65A0211	Ramavath Krishnakumar
30	18Q65A0212	Rayala Nuthana
31	18Q65A0213	Akshinthala Supriya
32	18Q65A0214	Badigichala Raghavendra
33	18Q65A0215	Banoth Premkumar
34	18Q65A0216	Bontha Srikanth

35	18Q65A0217	Deshamoni Shiva
36	18Q65A0218	Devarakonda Rajitha
37	18Q65A0219	Erabathula Jagadhishkumar
38	18Q65A0220	Guguloth Bindu
39	18Q65A0221	Kandivalasa Surendra
40	18Q65A0222	M D Ameer Sohail
41	18Q65A0223	Maddula Ranjith
42	18Q65A0224	Maidam Shyalaja
43	18Q65A0225	Md Ahimadh
44	18Q65A0226	Mogilipaka Vamshi
45	18Q65A0227	Nadikudi Yashwanth
46	18Q65A0228	Payyavula Pavankumar
47	18Q65A0229	Raikindi Sai Kumar
48	18Q65A0230	Sathyamolla Harish Goud
49	18Q65A0231	Sirra Pruthvi Goud
50	18Q65A0232	Sudini Karthik Reddy
51	18Q65A0234	Vakiti Srikanth Reddy

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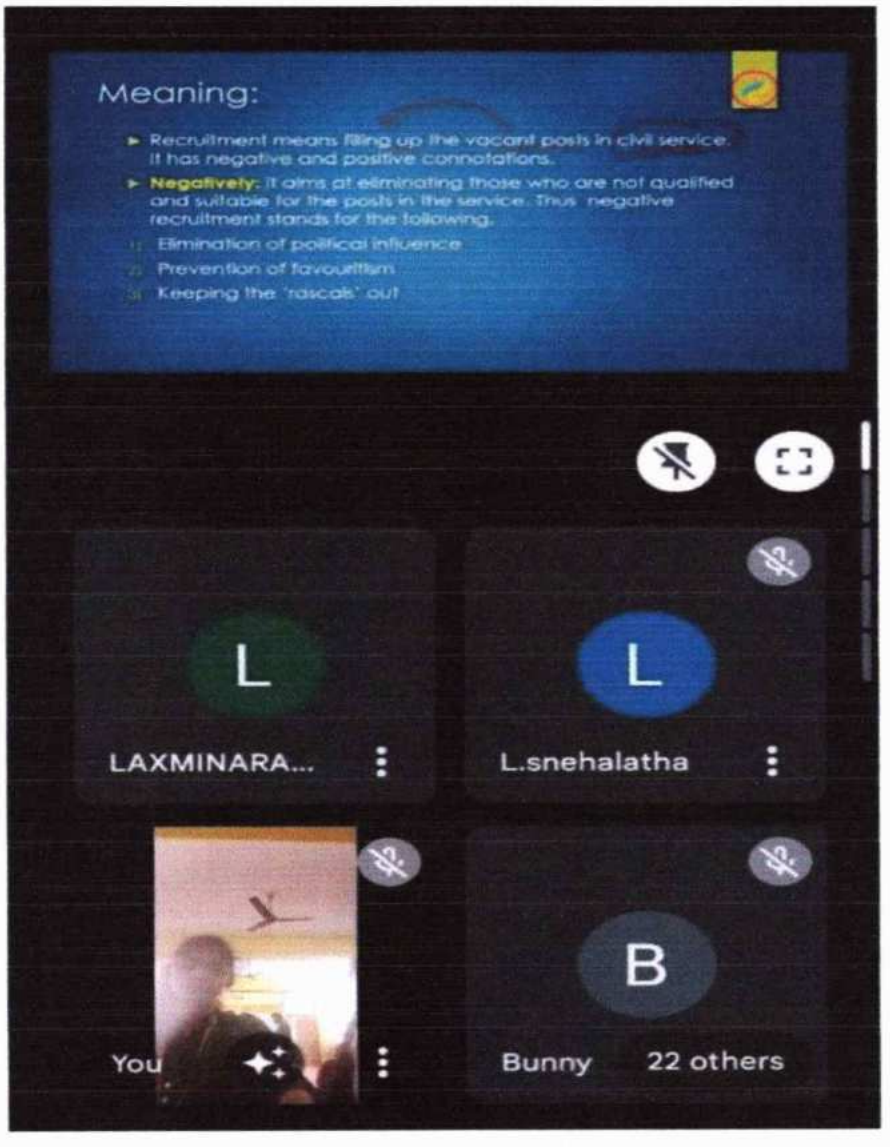
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.



The students of IV year B.Tech certificate program attending "PYTHON APPLICATIONS - NUMPY AND PANDAS" by Mr.S.Jeevan Kumar assistant professor.

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Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

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Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Head of the Departm
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Avanthi Institute of Engineering & Tec
Gunthapally (Vill), Abdullapur Met
Ranga Reddy District.

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

ADD ON COURSE NAME: PYTHON APPLICATIONS - NUMPY AND PANDAS

IV YEAR I–SEM **A.Y 2020-2021** **Date: 27-01-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	08.02.21	09.02.21	10.02.21	11.02.21	12.02.21	15.02.21	16.02.21	17.02.21	18.02.21	19.02.21	22.02.21
1	17Q61A0201	Ale Dinesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	17Q61A0203	Bera Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	17Q61A0204	Devasoth Rajender	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	17Q61A0205	Karmolla Gopal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	17Q61A0206	Kasam Akhil Reddy	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
6	17Q61A0207	Kumari Megha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	17Q61A0208	Maali Harika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	17Q61A0209	Markonda Mukesh Chandra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	17Q61A0210	Mudhireddy Praveen Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	17Q61A0211	Nidamanuri Yaswanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	17Q61A0212	Penjarla Raghavendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	17Q61A0213	Potharajula Shankara Sheshanka Kireeti	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	17Q61A0214	Priti Kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	17Q61A0216	Thumma S P Spandan Sagar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	17Q61A0217	Silveru Ravi Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	17Q61A0218	Madiga Tharunteja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	16Q61A0219	Poluri Naga Sai Harish	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	16Q61A0222	Salluri Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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19	18Q65A0201	Agraram Santhosha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	18Q65A0202	Barla Shailaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	18Q65A0203	Bathini Gopi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	18Q65A0204	Bollu Prabhu Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	18Q65A0205	Challa Akanksha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	18Q65A0206	D Ashok Kumar Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	18Q65A0207	Enugala Jeevan John Paul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	18Q65A0208	Gangula Bharath Chandra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	18Q65A0209	Gollapally Saikumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	18Q65A0210	Gunda Himakar Raju	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
29	18Q65A0211	Ramavath Krishnakumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	18Q65A0212	Rayala Nuthana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	18Q65A0213	Akshinthala Supriya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	18Q65A0214	Badigichala Raghavendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	18Q65A0215	Banoth Premkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	18Q65A0216	Bontha Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	18Q65A0217	Deshamoni Shiva	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	18Q65A0218	Devarakonda Rajitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	18Q65A0219	Erabathula Jagadhishkumar	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
38	18Q65A0220	Guguloth Bindu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	18Q65A0221	Kandivalasa Surendra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	18Q65A0222	M D Ameer Sohail	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	18Q65A0223	Maddula Ranjith	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	18Q65A0224	Maidam Shyalaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	18Q65A0225	Md Ahimadh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	18Q65A0226	Mogilipaka Vamshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	18Q65A0227	Nadikudi Yashwanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

46	18Q65A0228	Payyavula Pavankumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	18Q65A0229	Raikindi Sai Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	18Q65A0230	Sathyamolla Harish Goud	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
49	18Q65A0231	Sirra Pruthvi Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	18Q65A0232	Sudini Karthik Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	18Q65A0234	Vakiti Srikanth Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

VALUE ADDED COURSE NAME: **PYTHON APPLICATIONS - NUMPY AND PANDAS**

IV YEAR I–SEM **A.Y 2020-21** **Date: 01-02-2021 to 22-02-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	17Q61A0201	Ale Dinesh	45	100
2	17Q61A0203	Bera Mahesh	45	100
3	17Q61A0204	Devasoth Rajender	45	100
4	17Q61A0205	Karmolla Gopal	45	100
5	17Q61A0206	Kasam Akhil Reddy	42	93.3
6	17Q61A0207	Kumari Megha	45	100
7	17Q61A0208	Maali Harika	45	100
8	17Q61A0209	Markonda Mukesh Chandra	45	100
9	17Q61A0210	Mudhireddy Praveen Reddy	42	93.3
10	17Q61A0211	Nidamanuri Yaswanth	45	100
11	17Q61A0212	Penjarla Raghavendra	45	100
12	17Q61A0213	Potharajula Shankara Sheshanka Kireeti	45	100
13	17Q61A0214	Priti Kumari	45	100
14	17Q61A0216	Thumma S P Spandan Sagar	45	100
15	17Q61A0217	Silveru Ravi Kumar	45	100
16	17Q61A0218	Madiga Tharunteja	45	100
17	16Q61A0219	Poluri Naga Sai Harish	42	93.3
18	16Q61A0222	Salluri Mahesh	45	100
19	18Q65A0201	Agraram Santhosha	45	100
20	18Q65A0202	Barla Shailaja	45	100
21	18Q65A0203	Bathini Gopi	45	100
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23	18Q65A0205	Challa Akanksha	45	100
24	18Q65A0206	D Ashok Kumar Reddy	45	100
25	18Q65A0207	Enugala Jeevan John Paul	45	100
26	18Q65A0208	Gangula Bharath Chandra	45	100
27	18Q65A0209	Gollapally Saikumar	45	100
28	18Q65A0210	Gunda Himakar Raju	45	100
29	18Q65A0211	Ramavath Krishnakumar	45	100
30	18Q65A0212	Rayala Nuthana	45	100
31	18Q65A0213	Akshinthala Supriya	45	100
32	18Q65A0214	Badigichala Raghavendra	45	100
33	18Q65A0215	Banoth Premkumar	45	100

34	18Q65A0216	Bontha Srikanth	45	100
35	18Q65A0217	Deshamoni Shiva	45	100
36	18Q65A0218	Devarakonda Rajitha	45	100
37	18Q65A0219	Erabathula Jagadhishkumar	45	100
38	18Q65A0220	Guguloth Bindu	45	100
39	18Q65A0221	Kandivalasa Surendra	45	100
40	18Q65A0222	M D Ameer Sohail	45	100
41	18Q65A0223	Maddula Ranjith	45	100
42	18Q65A0224	Maidam Shyalaja	45	100
43	18Q65A0225	Md Ahimadh	45	100
44	18Q65A0226	Mogilipaka Vamshi	45	100
45	18Q65A0227	Nadikudi Yashwanth	45	100
46	18Q65A0228	Payyavula Pavankumar	45	100
47	18Q65A0229	Raikindi Sai Kumar	45	100
48	18Q65A0230	Sathyamolla Harish Goud	42	93.3
49	18Q65A0231	Sirra Pruthvi Goud	45	100
50	18Q65A0232	Sudini Karthik Reddy	45	100
51	18Q65A0234	Vakiti Srikanth Reddy	45	100

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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Date: 28-02-2021

PROGRAM REPORT

Name of the value added course: Python Applications - Numpy and Pandas
Day/Duration: 45 Hours
Time: 02:00 Pm to 05:00 Pm
Resource Person: Mr.S.Jeevan Kumar with Shellex Software Solutions Pvt Ltd.
Name of the Coordinator: Mr.G.Omsuraj, Assistant Professor
Number of the Participants: 51
Topics covered: The following topics covered in this program

- Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions
- Iteration, Strings, Files
- Lists, Dictionaries, Tuples, Regular Expressions
- Classes and objects, Classes and functions, Classes and methods
- Networked programs, Using Web Services, Using databases and SQLNumpy and Pandas

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Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl)
Ranga Reddy District.

SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **A.DINESH** Bearing Reg.No **17Q61A0201** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

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SHELLX SOFTWARE SOLUTIONS PVT. LTD. HYDERABAD

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Ranga Reddy Dist. Telangana.

17-82/1, Sri Nagar Colony, Road No. 3,
Dilsukhnagar, Hyderabad - 500 060.
GSTIN : 36ABJCS4679Q1Z8

+91 760 107 9955, 040-35610885
info@shellx.in
www.shellx.in

SHELLX
Software Solutions Pvt. Ltd.

COURSE COMPLETION CERTIFICATE

This is to certify that Mr./Ms. **N.YASHWANTH** Bearing Reg.No **18Q65A0227** is participated in **"PYTHON APPLICATIONS-NUMPY AND PANDAS"** course conducted at the **Avanthi Institute of Engineering & Technology**, Gunthapally, Abdullapurmettu, Rangareddy, in Association with **'SHELLX Software Solutions Pvt.Ltd'** from **01/02/2021 to 22/02/2021.**

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2I/I/01 **Date: 28-01-2021**

CIRCULAR

This is to inform all the I B. Tech CSE students that, the Department organizing a Value Added Course on **"GEOGRAPHICAL INFORMATION SYSTEM".** Department Advisory Committee has been identified **Mr.B.Balaji, Assistant Professor**. As a resource person for this course. This course is scheduled for 06 Days which will take from 01-02-2021 to 06-02-2021 in online mode. This course is organized by Department of Basic Science and Humanities

Head of the Department
Humanities & Sciences
HOD
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
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Notice Board
I.B. Tech CSE students
Dept. file

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ABOUT THE COURSE

A Geographical Information System (GIS) is a system for capturing, storing, analyzing and managing data and associated attributes, which are spatially referenced to the Earth. The geographical information system is also called as a geographic information system or geospatial information system.

COURSE OBJECTIVES

- Introduce basic concepts in GIS
- Provide exposure to basic tools and techniques in GIS software
- Introduce applications of GIS in relevant areas.

EXPECTED OUTCOMES

- Know the basic concepts in GIS
- Work with basic tools in GIS software
- Understand and manage spatial information
- Apply GIS tools and techniques in related applications



VALUE ADDED COURSE ON

"GEOGRAPHICAL INFORMATION SYSTEM"

01st FEB to 06th FEB,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Resource Person
Mr.B.Balaji
Assistant Professor
Department of H&S

Co-ordinator
Mr.CH.Trinath Mohan
Assistant Professor

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAIp@LSfaklewqr6gqRefkig gJz3wbKtECF6ONOUD7J3hFN8DFmElG/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-htklmt-vlm-sHWQwuu



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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

VALUE ADDED COURSE SYLLABUS

B.TECH I YEAR –I SEM CSE **ACADEMIC YEAR: 2020-21**

Course objectives:

- Introduce basic concepts in GIS
- Provide exposure to basic tools and techniques in GIS software
- Introduce applications of GIS in relevant areas.

Course outcomes:

- Know the basic concepts in GIS
- Work with basic tools in GIS software
- Understand and manage spatial information
- Apply GIS tools and techniques in related applications

UNIT I: Fundamentals of GIS include: Definition of GIS. Why is a GIS needed. Required functions for GIS. Computer systems for GIS. GIS as a multi-disciplinary science. Areas of GIS applications. GIS for decision support.

UNIT II: Data models and structure include: Vector and Raster model. Geometry and Topology of Vector data. Topological data structure. Topological relations between spatial objects. Geometry and Topology of Raster data. Topological features of Raster data. Thematic data modelling. Data structure for digital surface model.

UNIT III: Input of Geospatial data include: Required data sources for GIS. Tablet digitizer for vector data input. Scanners for raster data input. Rasterization. Victimization. The Concept of Spatial Database. Required Hardware and Software of GIS, include: Required computer systems in GIS. Required characteristics of GIS hardware and software.

UNIT IV: Plan for GIS Installation, include: Installation planning. Strategic purpose. Planning proposal. Description of information products. Summary of Master Input Data List (MIDL). Data design. Cost-benefit analysis. Implementation plan. Spatial Analysis, include: Definition of spatial analysis. Query. Reclassification. Coverage building. Overlay of Raster data. Overlay of Vector data. Connectivity analysis. Shape analysis and measurement

UNIT V: Coordinate transformation, include: Importance of coordinate transformation. Typical coordinate transformation. Normalization of map frame. Map projection. Interpolation Techniques include: Principle of interpolation. Point-wise interpolation. Curve fitting. Surface fitting Applications using GIS and Digital Maps Layout Techniques.

BOOKS:

1. Bhatta, B. (2011) Remote Sensing and GIS. OUP India.
2. Burrough, P. A., McDonnell, R. A. and Lloyd, C. D. (2015) Principles of Geographical Information Systems. OUP Oxford.
3. Chang, K. (2015) Introduction to Geographic Information Systems. McGraw-Hill Education.

4. Ian, H. (2010) An Introduction to Geographical Information Systems. Pearson Education.
5. Longley, P. A. et al. (2010) Geographic Information Systems and Science. John Wiley & Sons.
6. Weng, Q. (2011) An Introduction to Contemporary Remote Sensing. McGraw-Hill Education.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

ACADEMIC YEAR: 2020-21 **Date: 22.01.2021**

B.TECH. I YEAR-I SEM CSE **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	01.02.2021	Definition of GIS. Why is a GIS needed. Required functions for GIS. Computer systems for GIS. GIS as a multi-disciplinary science. Areas of GIS applications.	10:00 am to 04:00 pm	5 hour
2	02.02.2021	Vector and Raster model. Geometry and Topology of Vector data. Topological data structure. Topological relations between spatial objects	10:00 am to 04:00 pm	5 hour
3	03.02.2021	Required data sources for GIS. Tablet digitizer for vector data input. Scanners for raster data input. Rasterization	10:00 am to 04:00 pm	5 hour
4	04.02.2021	Strategic purpose. Planning proposal. Description of information products. Summary of Master Input Data List.	10:00 am to 04:00 pm	5 hour
5	05.02.2021	Importance of coordinate transformation. Typical coordinate transformation. Normalization of map frame.	10:00 am to 04:00 pm	5 hour
6	06.02.2021	Map projection. Interpolation Techniques include	10:00 am to 04:00 pm	5 hour
				TOTAL: 30 Hours

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

I YEAR I–SEM CSE **Enrolled Students List** **Date: 01-02-2021 to 06-02-2021**

S.NO	Roll Number	Name of The Student
1	20Q61A0501	Abhishek Singh Tomar
2	20Q61A0502	Adicherla Vamshi
3	20Q61A0503	Aedma Shravan Kumar
4	20Q61A0504	Akkaldevi Ajay
5	20Q61A0505	Alluri Surya Prakash
6	20Q61A0506	Anthati Dinesh
7	20Q61A0507	Anugu Varsha
8	20Q61A0508	Baddam Prem Kumar
9	20Q61A0509	Banala Balanagendrachary
10	20Q61A0510	Bethapudi Srija
11	20Q61A0511	Bhukya Sandeep
12	20Q61A0512	Boddu Ramu
13	20Q61A0513	Bondla Yogitha
14	20Q61A0514	Cheekati Nagaraju
15	20Q61A0515	Cheerla Sathvika
16	20Q61A0516	Dhyapa Sreevidya
17	20Q61A0517	Dilli Niharika
18	20Q61A0518	Edhandla Raj Kumar
19	20Q61A0519	Erraji Saikiran
20	20Q61A0520	Gaddam Manitha
21	20Q61A0521	Gorla Devika
22	20Q61A0522	Gudelli Jaswanth Reddy
23	20Q61A0523	Gurram Reemasree Reddy
24	20Q61A0524	Hafsa Nousheen
25	20Q61A0525	Jella Sreeja
26	20Q61A0526	K Umesh
27	20Q61A0527	Kandula Pooja
28	20Q61A0528	Karra Adarsh
29	20Q61A0529	Katabathini Uma
30	20Q61A0530	Kethavath Ramdas
31	20Q61A0531	Kota Pavani

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32	20Q61A0532	Kunati Srikanth Reddy
33	20Q61A0533	Kuntala Shiva
34	20Q61A0534	Kurapati Yaswanth
35	20Q61A0535	Laxmannagari Gopika

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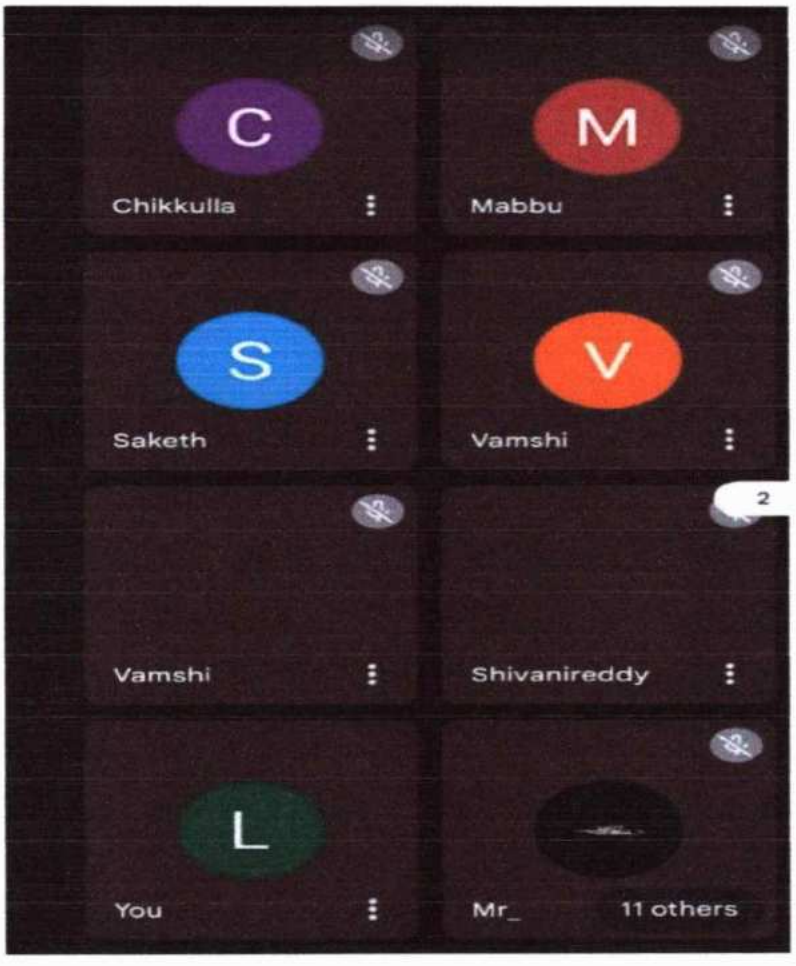
Ranga Reddy Dist.



The students of I year B.Tech certificate program attending "GEOGRAPHICAL INFORMATION SYSTEM " by Mr.B.Balaji assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

I YEAR I–SEM CSE **A.Y 2020-2021** **Date: 28-01-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21	06.02.21
1	20Q61A0501	Abhishek Singh Tomar	A	A	A	A	A	A
2	20Q61A0502	Adicherla Vamshi	P	P	P	P	P	P
3	20Q61A0503	Aedma Shravan Kumar	A	P	P	P	P	P
4	20Q61A0504	Akkaldevi Ajay	P	P	P	P	P	P
5	20Q61A0505	Alluri Surya Prakash	P	P	P	P	P	P
6	20Q61A0506	Anthati Dinesh	P	P	P	P	P	P
7	20Q61A0507	Anugu Varsha	P	P	P	P	P	P
8	20Q61A0508	Baddam Prem Kumar	P	P	P	P	P	P
9	20Q61A0509	Banala Balanagendrachary	P	P	P	P	P	P
10	20Q61A0510	Bethapudi Srija	P	P	A	P	P	P
11	20Q61A0511	Bhukya Sandeep	P	P	P	P	P	P
12	20Q61A0512	Boddu Ramu	P	P	P	P	P	P
13	20Q61A0513	Bondla Yogitha	P	P	P	P	P	P
14	20Q61A0514	Cheekati Nagaraju	P	P	P	P	P	P
15	20Q61A0515	Cheerla Sathvika	P	P	P	P	P	P
16	20Q61A0516	Dhyapa Sreevidya	P	P	P	P	P	P
17	20Q61A0517	Dilli Niharika	A	A	A	A	A	A
18	20Q61A0518	Edhandla Raj Kumar	P	P	P	P	P	P
19	20Q61A0519	Erraji Saikiran	P	P	P	P	P	P
20	20Q61A0520	Gaddam Manitha	P	P	P	P	P	P
21	20Q61A0521	Gorla Devika	P	P	P	P	P	P
22	20Q61A0522	Gudelli Jaswanth Reddy	A	P	P	P	P	P
23	20Q61A0523	Gurram Reemasree Reddy	P	P	P	P	P	P
24	20Q61A0524	Hafsa Nousheen	P	P	P	P	P	P
25	20Q61A0525	Jella Sreeja	P	P	P	P	P	P
26	20Q61A0526	K Umesh	P	P	P	P	P	P
27	20Q61A0527	Kandula Pooja	P	P	P	P	P	P
28	20Q61A0528	Karra Adarsh	P	P	P	P	P	P
29	20Q61A0529	Katabathini Uma	P	P	P	P	P	P
30	20Q61A0530	Kethavath Ramdas	P	P	P	P	P	P

31	20Q61A0531	Kota Pavani	P	P	P	P	P	P
32	20Q61A0532	Kunati Srikanth Reddy	P	P	A	P	P	P
33	20Q61A0533	Kuntala Shiva	P	P	P	P	P	P
34	20Q61A0534	Kurapati Yaswanth	P	P	P	P	P	P
35	20Q61A0535	Laxmannagari Gopika	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

I YEAR I–SEM CSE **A.Y 2020-21** **Date: 01-02-2021 to 06-02-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0501	Abhishek Singh Tomar	0	0
2	20Q61A0502	Adicherla Vamshi	30	100
3	20Q61A0503	Aedma Shravan Kumar	25	83.3
4	20Q61A0504	Akkaldevi Ajay	30	100
5	20Q61A0505	Alluri Surya Prakash	30	100
6	20Q61A0506	Anthati Dinesh	30	100
7	20Q61A0507	Anugu Varsha	30	100
8	20Q61A0508	Baddam Prem Kumar	30	100
9	20Q61A0509	Banala Balanagendrachary	30	100
10	20Q61A0510	Bethapudi Srija	25	83.3
11	20Q61A0511	Bhukya Sandeep	30	100
12	20Q61A0512	Boddu Ramu	30	100
13	20Q61A0513	Bondla Yogitha	30	100
14	20Q61A0514	Cheekati Nagaraju	30	100
15	20Q61A0515	Cheerla Sathvika	30	100
16	20Q61A0516	Dhyapa Sreevidya	30	100
17	20Q61A0517	Dilli Niharika	0	0
18	20Q61A0518	Edhandla Raj Kumar	30	100
19	20Q61A0519	Erraji Saikiran	30	100
20	20Q61A0520	Gaddam Manitha	30	100
21	20Q61A0521	Gorla Devika	30	100
22	20Q61A0522	Gudelli Jaswanth Reddy	25	83.3
23	20Q61A0523	Gurram Reemasree Reddy	30	100
24	20Q61A0524	Hafsa Nousheen	30	100
25	20Q61A0525	Jella Sreeja	30	100
26	20Q61A0526	K Umesh	30	100
27	20Q61A0527	Kandula Pooja	30	100
28	20Q61A0528	Karra Adarsh	30	100
29	20Q61A0529	Katabathini Uma	30	100
30	20Q61A0530	Kethavath Ramdas	30	100
31	20Q61A0531	Kota Pavani	30	100
32	20Q61A0532	Kunati Srikanth Reddy	25	83.3

33	20Q61A0533	Kuntala Shiva	30	100
34	20Q61A0534	Kurapati Yaswanth	30	100
35	20Q61A0535	Laxmannagari Gopika	30	100

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 15.02.2021

PROGRAM REPORT

Name of the value added course: Geographical Information System
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.B.Balaji,Assistant Professor
Name of the Coordinator: Mr.CH.Trinath Mohan, Assistant Professor
Number of the Participants: 33
Topics covered: The following topics covered in this program

1. Fundamentals of GIS include
2. Data models and structure include.
3. Input of Geospatial data include.
4. Plan for GIS Installation, include.
5. Coordinate transformation, include.

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Avanthi Institute of Engineering
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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **A.VAMSHI** Bearing roll number **20Q61A0502** from the department of **Basic Sciences and Humanities** completed the value added course on **"GEOGRAPHICAL INFORMATION SYSTEM"** During the year **2020-2021**.

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Head of The Department

Co-Ordinator

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Ranga Reddy Dist, Telangana.

Principal

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **K.ADARSH** Bearing roll number **20Q61A0528** from the department of **Basic Sciences and Humanities** completed the value added course on **"GEOGRAPHICAL INFORMATION SYSTEM"** During the year **2020-2021**.

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Head of The Department
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Ranga Reddy District.

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Co-Ordinator

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2I/I/02 **Date: 15-02-2021**

CIRCULAR

This is to inform all the I B. Tech CSE students that, the Department organizing a Value Added Course on **"ARCHAEO CHEMISTRY ".** Department Advisory Committee has been identified **Mr.P.Venkatswamy Assistant Professor**. As a resource person for this course. This course is scheduled for 06 Days which will take from 22-02-2021 to 27-02-2021 in online mode. This course is organized by Department of Basic Science and Humanities.

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Head of the Department
Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
I.B. Tech CSE students
Dept. file

ABOUT THE COURSE

Archaeological chemistry is a subject of great importance to the study and methodology of archaeology. This comprehensive text covers the subject with a full range of case studies, materials, and research methods. With twenty years of experience teaching the subject, the authors offer straightforward coverage of archaeological chemistry, a subject that can be intimidating for many archaeologists who do not already have a background in the hard sciences. With clear explanations and informative illustrations, the authors have created a highly approachable text, which will help readers overcome that intimidation. Topics covered included: Materials (rock, pottery, bone, charcoal, soils, metals, and others), Instruments (microscopes, NAA, spectrometers, mass spectrometers, GC/MS, XRF & XRD, Case Studies (Provinience, Sediments, Diet Reconstruction, Past Human Movement, Organic Residues). The detailed coverage and clear language will make this useful as an introduction to the study of archaeological chemistry, as well as a useful resource for years after that introduction.

COURSE OBJECTIVES

Archaeological chemistry is a subfield of archaeometry and involves the investigation of the inorganic and organic composition – elements and isotopes, molecules and compounds – of archaeological materials. Archaeological chemistry is primarily concerned with two main objectives: (1) characterization – measuring the chemical composition of a variety of prehistoric materials, and (2) identification – determining the original material of an unknown item1. The goals and history of archaeological science, and the place of chemistry within it, are briefly described in an archaeological chemistry course. The most widely used analytical techniques in archaeology are set out and compared in the light of relevant applications

EXPECTED OUTCOMES

Students would learn about the use of physicochemical instrumentation in solving archaeological problems, including (but not limited to) optical emission spectroscopy, atomic absorption spectrometry, inductively coupled plasma emission spectrometry, mass spectroscopy, X-ray fluorescence spectrometry, analytical electron microscopy, proton-induced X-ray emission spectroscopy, neutron activation analysis, infrared and Raman spectroscopy, and various chromatographic techniques

Resource Person
Mr.P.Venkatswamy
Assistant Professor
Department of H&S

Co-ordinator
Mrs.D.Srilakshmi
Assistant Professor
Department of H&S

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@LSfaAMKKLKLK6gqSCGCE4gJz3wbKtECF6ONOUD7J3hFN8DFmElG/viewform

Class starts from 22-02-2021 to 27-02-2021,10:00 AM to 04:00 PM

Google Meet Link: https://meet.google.com/www-bmcp-ggii

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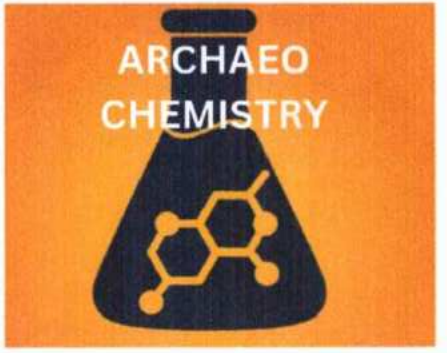

VALUE ADDED COURSE ON

"ARCHAEO CHEMISTRY"

22nd FEB to 27th FEB,2021

DURATION OF THE COURSE 30HRS

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Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

ORGANIZED BY :
DEPARTMENT OF BASIC SCIENCE AND HUMANITIES



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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **ARCHAEO CHEMISTRY**

VALUE ADDED COURSE SYLLABUS

B.TECH I YEAR-I SEM CSE **ACADEMIC YEAR: 2020-21**

Course objectives:

- Archaeological chemistry is a subfield of archaeometry and involves the investigation of the inorganic and organic composition – elements and isotopes.
- Molecules and compounds – of archaeological materials.
- Archaeological chemistry is primarily concerned with two main objectives.
- Characterization – measuring the chemical composition of a variety of prehistoric materials.
- Determining the original material of an unknown item1. The goals and history of archaeological science, and the place of chemistry within it, are briefly described in an archaeological chemistry course.
- The most widely used analytical techniques in archaeology are set out and compared in the light of relevant applications.

Course Outcome:

By the end of this course, students will be able to:

- Students would learn about the use of physicochemical instrumentation in solving archaeological problems, including (but not limited to) optical emission spectroscopy.
- Atomic absorption spectrometry, inductively coupled plasma emission spectrometry, mass spectroscopy, X-ray fluorescence spectrometry.
- analytical electron microscopy, proton-induced X-ray emission spectroscopy, neutron activation analysis, infrared and Raman spectroscopy, and various chromatographic techniques
- Upon completion of an archaeological chemistry course, students should have a solid understanding of the principles and techniques used in this field.
- They should be able to apply their knowledge to the analysis of archaeological materials and be able to interpret the results in the context of archaeological research.
- They should also be able to critically evaluate the strengths and limitations of different analytical techniques and be able to design appropriate research strategies for addressing specific archaeological questions.

MODULE-1

Introduction, Early Chemical Investigations of Archaeological Material, The Growth of Scientific Archaeology in the 20th Century, Current Status and Scope of Archaeological

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Chemistry, The Structure of This Volume, Further Reading References Analytical Techniques Applied to Archaeological Materials

MODULE -2

Introduction, The Structure of the Atom, the Electromagnetic Spectrum and Sectors copy. Techniques Based on Optical Wavelengths, Techniques Using X-rays, Neutron Activation Analysis, Mass Spectrometric Techniques Chromatographic Techniques, Infrared and Raman Spectroscopy, Other Techniques, Inter comparisons between Analytical Techniques and the Use of 'Legacy, Data.

MODULE -3

Obsidian Characterization in the Eastern Mediterranean-Introduction-Origin and Formation of Obsidian, Sources of Obsidian in the Eastern Mediterranean and Neigh bouring Regions, Review of Analytical Work, The Rise and Rise of Portable XRF (PXRF).Archaeological Implications.

MODULE -4

The Geochemistry of Clays and the Provenance of Ceramics, Introduction, The Structure of Clay Minerals, The Firing of Clays and the Mineralogical Composition of Ceramics, Trace Element Geochemistry in Clays, The Provenance of Archaeological Ceramics: Roman Fine wares.

MODULE -5

The Chemistry, Corrosion and Provenance of Archaeological Glass-Introduction, The Structure and Chemistry of Archaeological Glass, The Color of Glass, The Decay of Medieval Window Glass, The Corrosion of Buried Glass, Radiogenic Isotopes and the Provenance of Glass.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **ARCHAEO CHEMISTRY**

ACADEMIC YEAR: 2020-21 **Date: 15.02.2021**

B.TECH. I YEAR-I SEM CSE **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	22.02.2021	Introduction, Early Chemical Investigations of Archaeological Material, The Growth of Scientific Archaeology in the 20th Century	10.00 am to 04:00 pm	5 Hours
2	23.02.2021	the Electromagnetic Spectrum and Sectors copy. Techniques Based on Optical Wavelengths, Techniques Using X-rays	10.00 am to 04:00 pm	5 Hours
3	24.02.2021	Obsidian Characterization in the Eastern Mediterranean-Introduction-Origin and Formation of Obsidian, Sources of Obsidian in the Eastern Mediterranean	10.00 am to 04:00 pm	5 Hours
4	25.02.2021	The Geochemistry of Clays and the Provenance of Ceramics, Introduction, The Structure of Clay Minerals, The Firing of Clays and the Mineralogical Composition of Ceramics	10.00 am to 04:00 pm	5 Hours
5	26.02.2021	The Chemistry, Corrosion and Provenance of Archaeological Glass-Introduction, The Structure and Chemistry of Archaeological Glass, The Color of Glass, The	10.00 am to 04:00 pm	5 Hours
6	27.02.2021	Decay of Medieval Window Glass, The Corrosion of Buried Glass, Radiogenic Isotopes and the Provenance of Glass	10.00 am to 04:00 pm	5 Hours
				Total – 30 Hours

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: ARCHAEO CHEMISTRY

I YEAR I–SEM CSE Enrolled Students List Date: 22-02-2021 to 27-02-2021

S.NO	Roll Number	Name of The Student
1	20Q61A0536	Machkuri Vittal
2	20Q61A0537	Manukonda Kavya Sree
3	20Q61A0538	Mittapelly Raviteja
4	20Q61A0539	Moddu Sakshith Reddy
5	20Q61A0540	Mohammed Mudabbir Ali
6	20Q61A0541	Mukka Shashank
7	20Q61A0542	Nalla Yashwanth Reddy
8	20Q61A0543	Akash Dhapte
9	20Q61A0544	Anthati Mahesh
10	20Q61A0545	Atmakur Narayana Saketh
11	20Q61A0546	B Sarvari Bharadwaj
12	20Q61A0547	Bandi Chandana Goud
13	20Q61A0548	Botuka Siddartha
14	20Q61A0549	Bushipaka Karthik
15	20Q61A0550	Shetkar Harshitha Patil
16	20Q61A0551	Chinreddy Rakesh Reddy
17	20Q61A0552	Dosai Revanth
18	20Q61A0553	Etikala Upendar Reddy
19	20Q61A0554	G V Bhavana
20	20Q61A0555	Gaddam Krishnateja
21	20Q61A0556	Janagari Srithan Reddy
22	20Q61A0557	Kethireddy Harshitha
23	20Q61A0558	Kompelli Jalandhar
24	20Q61A0559	Kongari Sharath Chandra
25	20Q61A0560	Kotha Likith Sai Reddy
26	20Q61A0561	Naluparaju Mahesh
27	20Q61A0562	Nelli Varshitha
28	20Q61A0563	Pandla Madhu Kumar Goud
29	20Q61A0564	Peddinti Sai Krishna
30	20Q61A0565	Pothula Varsha
31	20Q61A0566	Puttapati Shashi Kumar
32	20Q61A0567	Ramagiri Nithin Rao

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33	20Q61A0568	Ramavath Pavan Naik
34	20Q61A0569	Rathod Ameen
35	20Q61A0570	Ravella Anuja

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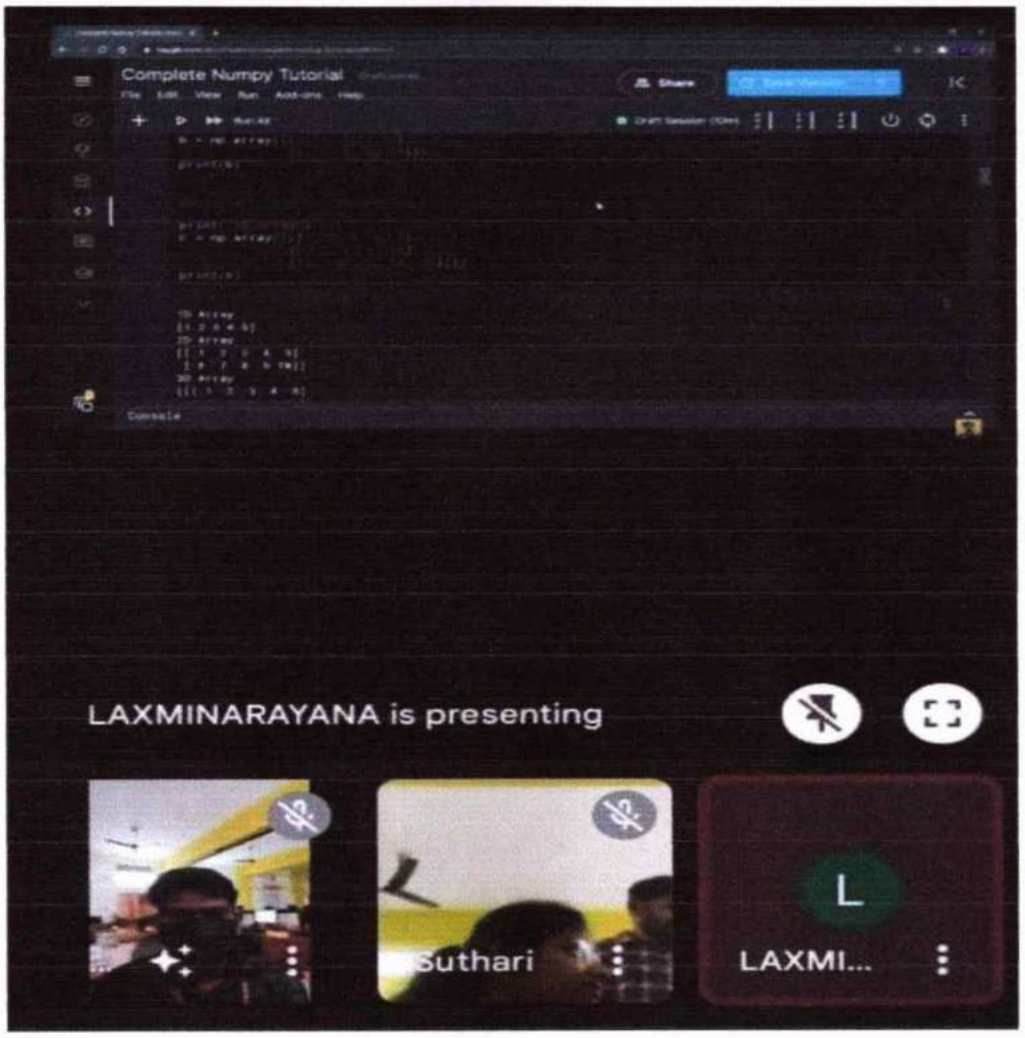
Ranga Reddy District.



The students of I year B.Tech certificate program attending "ARCHAEO CHEMISTRY " by Mr.P.Venkatswamy assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: ARCHAEO CHEMISTRY

I YEAR I–SEM CSE **A.Y 2020-2021** **Date: 15-02-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	22.02.21	23.02.21	24.02.21	25.02.21	26.02.21	27.02.21
1	20Q61A0536	Machkuri Vittal	P	P	P	P	P	P
2	20Q61A0537	Manukonda Kavya Sree	A	P	P	P	P	P
3	20Q61A0538	Mittapelly Raviteja	P	P	P	P	P	P
4	20Q61A0539	Moddu Sakshith Reddy	P	P	P	P	P	P
5	20Q61A0540	Mohammed Mudabbir Ali	P	P	P	P	P	P
6	20Q61A0541	Mukka Shashank	P	P	P	P	P	P
7	20Q61A0542	Nalla Yashwanth Reddy	P	P	P	P	P	P
8	20Q61A0543	Akash Dhapte	P	P	P	P	P	P
9	20Q61A0544	Anthati Mahesh	P	P	P	P	P	P
10	20Q61A0545	Atmakur Narayana Saketh	P	P	P	P	P	P
11	20Q61A0546	B Sarvari Bharadwaj	A	A	A	A	A	A
12	20Q61A0547	Bandi Chandana Goud	P	P	P	P	P	P
13	20Q61A0548	Botuka Siddartha	P	P	P	P	P	P
14	20Q61A0549	Bushipaka Karthik	P	P	P	P	P	P
15	20Q61A0550	Shetkar Harshitha Patil	P	P	A	P	P	P
16	20Q61A0551	Chinreddy Rakesh Reddy	P	P	P	P	P	P
17	20Q61A0552	Dosai Revanth	P	P	P	P	P	P
18	20Q61A0553	Etikala Upendar Reddy	P	P	P	P	P	P
19	20Q61A0554	G V Bhavana	P	P	P	P	P	P
20	20Q61A0555	Gaddam Krishnateja	A	P	P	P	P	P
21	20Q61A0556	Janagari Srithan Reddy	P	P	P	P	P	P
22	20Q61A0557	Kethireddy Harshitha	P	P	P	P	P	P
23	20Q61A0558	Kompelli Jalandhar	P	P	P	P	P	P
24	20Q61A0559	Kongari Sharath Chandra	P	P	P	P	P	P
25	20Q61A0560	Kotha Likith Sai Reddy	P	P	P	P	P	P
26	20Q61A0561	Naluparaju Mahesh	P	P	P	P	P	P
27	20Q61A0562	Nelli Varshitha	P	P	P	P	P	P
28	20Q61A0563	Pandla Madhu Kumar Goud	P	P	P	P	P	P
29	20Q61A0564	Peddinti Sai Krishna	P	P	P	P	P	P
30	20Q61A0565	Pothula Varsha	P	P	P	P	P	P

31	20Q61A0566	Puttapati Shashi Kumar	P	P	P	P	P	P
32	20Q61A0567	Ramagiri Nithin Rao	P	P	P	P	P	P
33	20Q61A0568	Ramavath Pavan Naik	P	A	P	P	P	P
34	20Q61A0569	Rathod Ameen	P	P	P	P	P	P
35	20Q61A0570	Ravella Anuja	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **ARCHAEO CHEMISTRY**

I YEAR I–SEM CSE **A.Y 2020-21** **Date: 22-02-2021 to 27-02-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0536	Machkuri Vittal	30	100
2	20Q61A0537	Manukonda Kavya Sree	25	83.3
3	20Q61A0538	Mittapelly Raviteja	30	100
4	20Q61A0539	Moddu Sakshith Reddy	30	100
5	20Q61A0540	Mohammed Mudabbir Ali	30	100
6	20Q61A0541	Mukka Shashank	30	100
7	20Q61A0542	Nalla Yashwanth Reddy	30	100
8	20Q61A0543	Akash Dhapte	30	100
9	20Q61A0544	Anthati Mahesh	30	100
10	20Q61A0545	Atmakur Narayana Saketh	30	100
11	20Q61A0546	B Sarvari Bharadwaj	0	0
12	20Q61A0547	Bandi Chandana Goud	30	100
13	20Q61A0548	Botuka Siddartha	30	100
14	20Q61A0549	Bushipaka Karthik	30	100
15	20Q61A0550	Shetkar Harshitha Patil	25	83.3
16	20Q61A0551	Chinreddy Rakesh Reddy	30	100
17	20Q61A0552	Dosai Revanth	30	100
18	20Q61A0553	Etikala Upendar Reddy	30	100
19	20Q61A0554	G V Bhavana	30	100
20	20Q61A0555	Gaddam Krishnateja	25	83.3
21	20Q61A0556	Janagari Srithan Reddy	30	100
22	20Q61A0557	Kethireddy Harshitha	30	100
23	20Q61A0558	Kompelli Jalandhar	30	100
24	20Q61A0559	Kongari Sharath Chandra	30	100
25	20Q61A0560	Kotha Likith Sai Reddy	30	100
26	20Q61A0561	Naluparaju Mahesh	30	100
27	20Q61A0562	Nelli Varshitha	30	100
28	20Q61A0563	Pandla Madhu Kumar Goud	30	100
29	20Q61A0564	Peddinti Sai Krishna	30	100
30	20Q61A0565	Pothula Varsha	30	100
31	20Q61A0566	Puttapati Shashi Kumar	30	100
32	20Q61A0567	Ramagiri Nithin Rao	30	100

33	20Q61A0568	Ramavath Pavan Naik	25	83.3
34	20Q61A0569	Rathod Ameen	30	100
35	20Q61A0570	Ravella Anuja	30	100

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 02.03.2021

PROGRAM REPORT

Name of the value added course: Archaeo Chemistry
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.P.Venkatswamy Assistant Professor
Name of the Coordinator: Mrs.D.Srilakshmi Assistant Professor
Number of the Participants: 34
Topics covered: The following topics covered in this program

1 Introduction-Origin and Formation
2 The Rise and Rise of Portable XRF
3 Geochemistry in Clays
4 Chemistry of Archaeological Glass
5 The Corrosion of Buried Glass

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **M.VITTAL** Bearing roll number **20Q61A0536** from the department of **Basic Sciences and Humanities** completed the value added course on **"ARCHAEO CHEMISTRY"** During the year **2020-2021**.

Head of The Department

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Humanities & Sciences
Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

Co-Ordinator

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Principal

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **R.ANUJA** Bearing roll number **20Q61A0570** from the department of **Basic Sciences and Humanities** completed the value added course on **"ARCHAEO CHEMISTRY"** During the year **2020-2021**.

Head of The Department

Head of the Department
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Avanthi Institute of Engineering & Technology
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Ranga Reddy District.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2I/I/03 **Date: 08-03-2021**

CIRCULAR

This is to inform all the I B.Tech EEE, CSD & MECH students that, the Department organizing a Value Added Course on **"LISP Programming Language ".** Department Advisory Committee has been identified **Dr.M.Prasad Rao, Assistant Professor in Dept of CSE**. As a resource person for this course. This course is scheduled for 06 Days which will take from 15-03-2021 to 20-03-2021 in online mode. This course is organized by Department of Basic Science and Humanities.

HOD

Head of the Departm
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Ranga Reddy District.

Copy to:

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IQAC
Notice Board
I B.Tech EEE, CSD & MECH students
Dept. file

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COURSE MODULE

Module 1: Preliminary Concepts: Reasons for studying concepts of programming languages, programming domains, language evaluation criteria, influences on language design. language categories, language design trade-offs. Implementation methods, programming environments.

Module- II: Names, Bindings, and Scopes: Introduction, names, variables, concept of binding. scope, scope and lifetime, referencing environments, named constants.

Module- III: General semantics of calls and returns implementing simple subprograms, implementing subprograms with stack-dynamic local variables nested subprograms, blocks, Implementing dynamic scoping

Module-IV: Object Oriented Programming Design issues for OOP. OOP in Smalltalk Cr, Java, Ada 95, Ruby, Implementation of Object-Oriented constructs.

Module- V: Pragmatics, Key Concepts. Case Study Python-Values and Types, Variables Storage and Control, Bindings and Scope Procedure Abstraction, Data Abstraction.

COURSE OBJECTIVE

1.To Design the various programming paradigms.
2.To understand the evolution of programming languages.
3.To understand the concepts of C languages, functional languages, logical and scripting languages
4.To understand the principles and Technique involved in design and implement of modern programming languages.
5.To introduce the notations to describe the syntax and semantics of Programming languages.

EXECPTED OUTCOME

At the end of the course, students will have the ability to:

- Understand basics of LISP and installation.
- Implement the structure and components of a LISP program.
- Interpret how to write and implement functions in program.
- Create programs involving arrays and strings.
- Develop programs related to file operations.

Resource Person
Dr.M.Prasad Rao
Assistant Professor
Department of CSE.

Co-ordinator :
Mr.N.Ramesh
Assistant Professor
Department of H&S

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSeeQux48PqpeXricGE72AHkrpvwLxi3nL6uLJOIEX2ADIdlntyg/viewform

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Google Meet Link:

https://meet.google.com/vat-xmecgh-ksi

Class starts from 15-03-2021 to 20-03-2021,09:30AM TO 04:00PM

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B++ NAAC



ADD-ON COURSE ON

"LISP PROGRAMMING LANGUAG

15th TO 20th MAR,2021

Duration of the course:36 Hrs

ORGANIZED BY :

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES



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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **LISP PROGRAMMING**

VALUE ADDED COURSE SYLLABUS

B.Tech I YEAR-I SEM ACADEMIC YEAR 2020-21

Course Objectives:

- To introduce the various programming paradigms.
- To understand the evolution of programming languages.
- To understand the concepts of OO languages, functional languages, logical and scripting languages.
- To introduce the principles and techniques involved in design and implementation of modern programming languages.
- To introduce the notations to describe the syntax and semantics of programming languages.
- To introduce the concepts of concurrency control and exception handling.
- To introduce the concepts of ADT and OOP for software development.

UNIT- I : Preliminary Concepts: Reasons for studying concepts of programming languages, programming domains, language evaluation criteria, influences on language design, language categories, language design trade-offs, implementation methods, programming environments, Evolution of Major Programming Languages. Syntax and Semantics: General problem of describing syntax, formal methods of describing syntax, attribute grammars, describing the meanings of programs

UNIT- II: Names, Bindings, and Scopes: Introduction, names, variables, concept of binding, scope, scope and lifetime, referencing environments, named constants Data types: Introduction, primitive, character, string types, user defined ordinal types, array, associative arrays, record, tuple types, list types, union types, pointer and reference types, type checking, strong typing, type equivalence Expressions and Statements: Arithmetic expressions, overloaded operators, type conversions, relational and boolean expressions, short- circuit evaluation, assignment statements, mixedmode assignment Control Structures – introduction, selection statements, iterative statements, unconditional branching, guarded commands.

UNIT- III: Subprograms: Fundamentals of subprograms, design issues for subprograms, local referencing environments, parameter passing methods, parameters that are subprograms, calling subprograms indirectly, overloaded subprograms, generic subprograms, design issues for functions, user defined overloaded operators, closures, co routines Implementing subprograms: General semantics of calls and returns, implementing simple subprograms, implementing subprograms with stack-dynamic local variables, nested subprograms, blocks, implementing dynamic scoping Abstract Data types: The concept of abstraction, introductions to data abstraction, design issues, language examples, parameterized ADT, encapsulation constructs, naming encapsulations

UNIT- IV: Object Oriented Programming: Design issues for OOP, OOP in Smalltalk, C++, Java, Ada 95, Ruby, Implementation of Object-Oriented constructs. Concurrency: Introduction, introduction to subprogram level concurrency, semaphores, monitors, message passing, Ada support for concurrency, Java threads, concurrency in functional languages, statement level concurrency. Exception Handling and Event Handling: Introduction, exception handling in Ada, C++, Java, introduction to event handling, event handling with Java and C#.

UNIT-V: Functional Programming Languages: Introduction, mathematical functions, fundamentals of functional programming language, LISP, support for functional programming in primarily imperative languages, comparison of functional and imperative languages Logic Programming Language: Introduction, an overview of logic programming, basic elements of prolog, deficiencies of prolog, applications of logic programming. Scripting Language: Pragmatics, Key Concepts, Case Study: Python – Values and Types, Variables, Storage and Control, Bindings and Scope, Procedural Abstraction, Data Abstraction, Separate Compilation, Module Library.

TEXT BOOKS:

1. Concepts of Programming Languages, Robert .W. Sebesta 10th edition, Pearson Education.
2. Programming Language Design Concepts, D. A. Watt, Wiley India Edition.

REFERENCE BOOKS:

1. Programming Languages, A.B. Tucker, R.E. Noonan, TMH.
2. Programming Languages, K. C. Louden and K A Lambert., 3rd edition, Cengage Learning.
3. Programming Language Concepts, C Ghezzi and M Jazayeri, Wiley India.
4. Programming Languages 2nd Edition Ravi Sethi Pearson.

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HOD

Head of the Department
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Avanthi Institute of Engine[illegible] & Technology
Gunthapally (VIII), Ab[illegible]
Ranga Red[illegible]

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **LISP PROGRAMMING LANGUAGE**

ACADEMIC YEAR 2020-21 **Date: 08-03-2021**

B.TECH I YEAR-I SEM **DAY WISE SCHEDULE SHEET**

Day	Topic	Timings	Duration
15-03-2021	Concepts of programming languages, programming domains, language evaluation criteria, language design trade-offs, implementation methods, programming environments.	09:30 am to 04:00 pm	6 hour
16-03-2021	Names, Bindings, and Scopes: Introduction, names variable, concepts of binding scope, scope and lifetime, referencing environments, named constants.	09:30 am to 04:00 pm	6 hour
17-03-2021	General semantics of calls and returns, implementing simple subprograms, implementing subprograms with stack-dynamic local variables	09:30 am to 04:00 pm	6 hour
18-03-2021	Nested subprograms, blocks, implementing Dynamic, Object Oriented Programming: Design issues for OOP,OOP In Smalltalk++,Java,Ada 95	09:30 am to 04:00 pm	6 hour
19-03-2021	Ruby, Implementation of Objected-Oriented constructs Pragmatics Key Concepts.	09:30 am to 04:00 pm	6 hour
20-03-2021	Case study: Python – values and Types, Variables, Storage and Control, Bindings and Scope, Procedural Abstraction, Data Abstraction	09:30 am to 04:00 pm	6 hour
			Total 36 Hours

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Head of the Department
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Avanthi Institute of Engg. & Technology
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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **LISP PROGRAMMING LANGUAGE**

I YEAR –I SEM CSD, EEE & MECH Enrolled Students List Date: 08-03-21 to 20-03-21

S.No	Roll Number	Name of The Student
1	20Q61A0201	B Bhanu Prasad
2	20Q61A0202	E Naveen Goud
3	20Q61A0203	Gaddam Leander
4	20Q61A0204	Goli Saketh
5	20Q61A0205	Gugulothu Kamesh Babu
6	20Q61A0206	Gundaboina Bhavya
7	20Q61A0207	Gundeboyina Rachana
8	20Q61A0208	Katravath Ram Charan Naik
9	20Q61A0209	Gunti Mahesh
10	20Q61A0301	Erra Poulu
11	20Q61A0302	Mamidala Amarnadh
12	20Q61A0303	Sherpalli Shivaji
13	20Q61A0304	Paka Shiva Sai
14	20Q61A0305	Thundla Sathwik
15	20Q61A6701	Bhutharaju Shivashankara Varaprasad
16	20Q61A6702	Bobbulolu Pavani
17	20Q61A6703	Deshaveni Akshayarao
18	20Q61A6704	M Jyothi
19	20Q61A6705	Madugula Karthikeya
20	20Q61A6706	Goute Akhila
21	20Q61A6707	Kondakindi Vinay Reddy
22	20Q61A6708	Patlolla Aravind Reddy
23	20Q61A6709	Vsrsgnp Pantheswara

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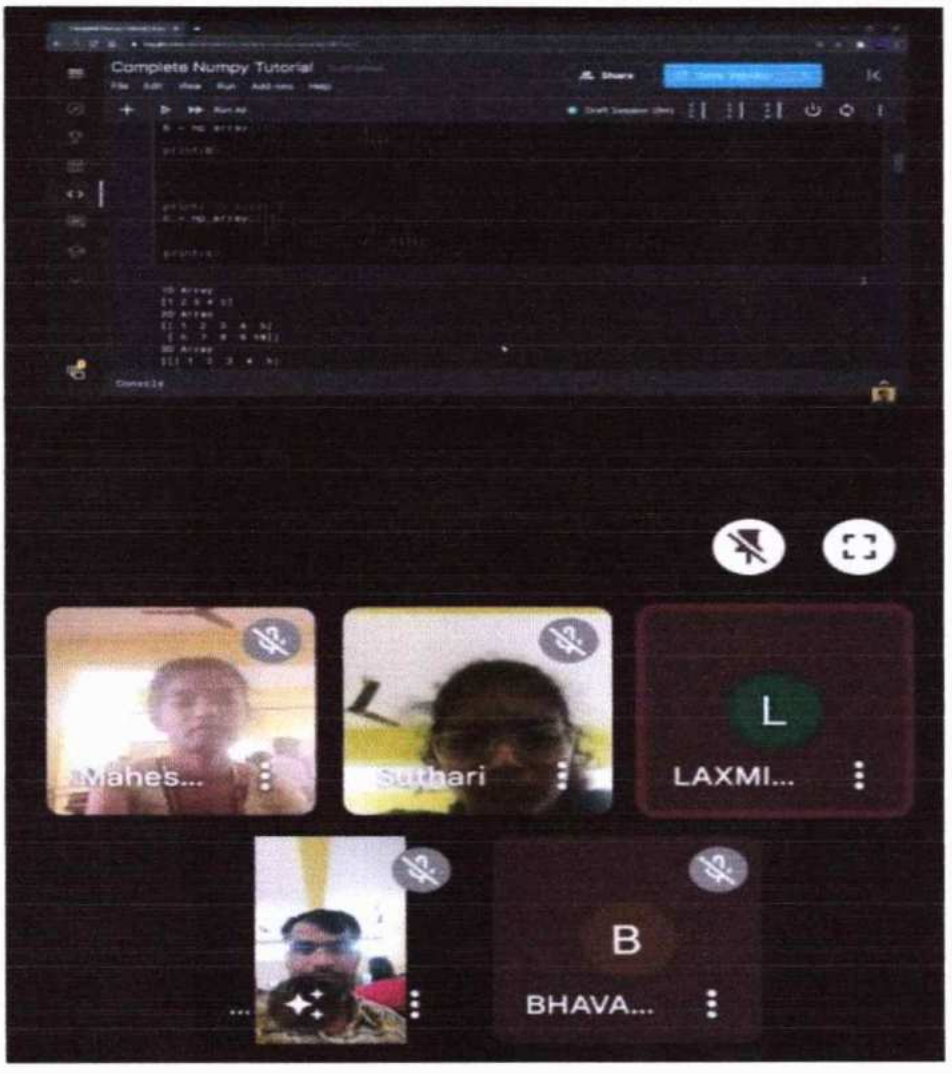

The students of I year B.Tech certificate program attending "LISP Programming Language" by Dr.M.Prasad Rao assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **LISP PROGRAMMING LANGUAGE**

I YEAR –I SEM CSD, EEE & MECH **A.Y 2020-2021** **Date: 08-03-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	15.03.21	16.03.21	17.03.21	18.03.21	19.03.21	20.03.21
1	20Q61A0201	B Bhanu Prasad	P	P	P	P	P	P
2	20Q61A0202	E Naveen Goud	P	P	P	P	P	P
3	20Q61A0203	Gaddam Leander	P	P	P	P	P	P
4	20Q61A0204	Goli Saketh	P	P	P	P	P	P
5	20Q61A0205	Gugulothu Kamesh Babu	P	P	P	P	P	P
6	20Q61A0206	Gundaboina Bhavya	A	P	P	P	P	P
7	20Q61A0207	Gundeboyina Rachana	P	P	P	P	P	P
8	20Q61A0208	Katravath Ram Charan Naik	P	P	P	P	P	P
9	20Q61A0209	Gunti Mahesh	P	P	P	P	P	P
10	20Q61A0301	Erra Poulu	P	P	P	P	P	P
11	20Q61A0302	Mamidala Amarnadh	P	P	P	P	P	P
12	20Q61A0303	Sherpalli Shivaji	P	P	A	P	P	P
13	20Q61A0304	Paka Shiva Sai	P	P	P	P	P	P
14	20Q61A0305	Thundla Sathwik	P	P	P	P	P	P
15	20Q61A6701	Bhutharaju Shivashankara Varaprasad	P	P	P	P	P	P
16	20Q61A6702	Bobbulolu Pavani	P	P	P	P	P	P
17	20Q61A6703	Deshaveni Akshayarao	A	P	P	P	P	P
18	20Q61A6704	M Jyothi	P	P	P	P	P	P
19	20Q61A6705	Madugula Karthikeya	P	P	P	P	P	P
20	20Q61A6706	Goute Akhila	P	P	P	P	P	P
21	20Q61A6707	Kondakindi Vinay Reddy	P	P	P	P	P	P
22	20Q61A6708	Patlolla Aravind Reddy	P	P	P	P	P	P
23	20Q61A6709	Vsrsgnp Pantheswara	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **LISP PROGRAMMING LANGUAGE**

I YEAR –I SEM CSD, EEE & MECH A.Y 2020-21 Date: 08-03-21 to 20-03-21

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0201	B Bhanu Prasad	36	100
2	20Q61A0202	E Naveen Goud	36	100
3	20Q61A0203	Gaddam Leander	36	100
4	20Q61A0204	Goli Saketh	36	100
5	20Q61A0205	Gugulothu Kamesh Babu	36	100
6	20Q61A0206	Gundaboina Bhavya	30	83.3
7	20Q61A0207	Gundeboyina Rachana	36	100
8	20Q61A0208	Katravath Ram Charan Naik	36	100
9	20Q61A0209	Gunti Mahesh	36	100
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15	20Q61A6701	Bhutharaju Shivashankara Varaprasad	36	100
16	20Q61A6702	Bobbulolu Pavani	36	100
17	20Q61A6703	Deshaveni Akshayarao	30	83.3
18	20Q61A6704	M Jyothi	36	100
19	20Q61A6705	Madugula Karthikeya	36	100
20	20Q61A6706	Goute Akhila	36	100
21	20Q61A6707	Kondakindi Vinay Reddy	36	100
22	20Q61A6708	Patlolla Aravind Reddy	36	100
23	20Q61A6709	Vsrsgnp Pantheswara	36	100

CO-ORDINATOR **HOD**

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 25-03-2021

PROGRAM REPORT

Name of the Value added Course: LISP Programming Language
Day/Duration: 36 hours
Time: 09:30 am to 04:00 pm
Resource Person: Dr.M.Prasad Rao Assistant Professor
Name of the Coordinator: Mr.N.Ramesh Assistant Professor
Number of the Participants: 23
Topics covered: The following topics covered in this program:

- Concepts of programming languages, programming Domain languages evaluation criteria, influences on language design.
- Binding, Scope, Scope and lifetime, referencing, environments.
- Subprograms with stack-dynamic local variables, nested subprograms blocks implementing dynamic scoping.
- Design issues for OOP, OOP In Smalltalk++, Java.
- Case study: Python – values and Types, Variables, Storage and Control.

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.BHANU PRASAD** Bearing roll number **20Q61A0201** from the department of **Basic Sciences and Humanities** completed the value added course on **"LISP PROGRAMMING LANGUAGE"** During the year **2020-2021**.

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CO-ORDINATOR
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PRINCIPAL
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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.AKHILA** Bearing roll number **20Q61A6706** from the department of **Basic Sciences and Humanities** completed the value added course on **"LISP PROGRAMMING LANGUAGE"** During the year **2020-2021**.

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Principal

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-21/II/01 **Date: 03-05-2021**

CIRCULAR

This is to inform all the I B. Tech CSE students that, the Department organizing an Value Added Course on **"Biological Basis of Behaviour"** Department Advisory Committee has been identified **Mr.E.Ravi Assistant Professor** as a resource person for this course. This course is scheduled for 06 Days which will take from 10-05-2020 to 15-05-2021 in online mode. This course is organized by Department of Humanities and Science.

.

HOD

Head of the Department
Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
I.B. Tech CSE students
Dept. file

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ABOUT THE COURSE

This course presents an introduction to the biological basis of behaviour. We will introduce topics relevant to behaviour in the normal and abnormal states beginning with sensory perception, attention, movement, emotion and language with experimental examples from our lab and clinical studies\research illustrating the effects of impaired brain function. We will begin an introduction of topics such as: How do neurons change? How does plasticity occur in the brain? Can music and dance help brain function? What is neurorehabilitation ?

COURSE OBJECTIVES

The Biological Basis of Behavior course is an introduction to the biological basis of behavior. The course objectives vary depending on the institution offering the course, but some common objectives include:

Understanding the structure and function of the nervous system in human and nonhuman animals.

Understanding the structure and function of the endocrine system.

Understanding the interaction between biological factors and experience.

Understanding methods and issues related to biological advances.

Introduction to the brain's input and output relationships.

Understanding how sensory information is processed in our brain.

Understanding how motor functions are accomplished

EXPECTED OUTCOMES

The Biological Basis of Behavior course is an introduction to the anatomical structures and physiological processes that determine behavior. The course aims to provide students with a solid understanding of the principles and techniques used in this field, and to enable them to apply their knowledge to the analysis of behavior and its underlying biological mechanisms.

Some common learning outcomes for a Biological Basis of Behavior course may include:

Understanding the basic functioning of the nervous system

The ability to use scientifically valid resources to communicate effectively about the biological basis of behavior1.

Knowledge of the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors

Resource Person
Mr.E.Ravi
Assistant Professor
Department of H&S

Co-ordinator
Mr.B.Balaji
Assistant Professor
Department of H&S

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Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAlp@L SfaUMOAMWK6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Class starts from 10-05-2021 to 15-05-2021,10:00AM TO 04:00PM

Google Meet Link: https://meet.google.com/vqt-xvoh-ksi

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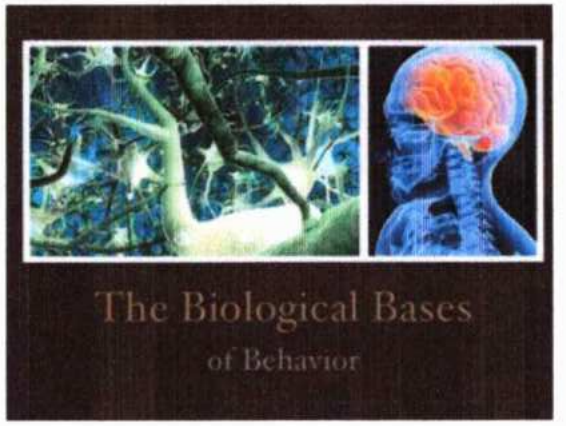
ACCREDITED WITH GRADE B++ NAAC



VALUE ADDED COURSE ON

"BIOLOGICAL BASIS OF BEHAVIOUR"

10th MAY to 15th MAY ,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES



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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **BIOLOGICAL BASIS OF BEHAVIOUR**

VALUE ADDED COURSE SYLLABUS

B.TECH I YEAR-II SEM CSE **ACADEMIC YEAR: 2020-21**

Course objectives:

- The "biological factors" that create an impact on the biological behavior of the human being are self-preservation, reproduction, and survival.
- Self-preservation: self-preservation is the biological process of sustaining in critical conditions.

Course Outcome:

By the end of this course, students will be able to:

- Apply critical analysis skills to evaluate research studies and conclusions.
- Describe the fundamental concepts and major themes in how information is processed by the brain.
- Compare and contrast particular approaches to studying brain function with respect to their use to answer a particular research question.
- Understand the link between psychological and brain functioning.

Chapter 1: The Psychology of Human Sexuality

Sexuality is one of the fundamental drives behind everyone's feelings, thoughts, and behaviors. It defines the means of biological reproduction, describes psychological and sociological representations of self, and orients a person's attraction to others. Further, it shapes the brain and body to be pleasure-seeking. Yet, as important as sexuality is to being human, it is often viewed as a taboo topic for personal or scientific inquiry.

Chapter 2: Biochemistry of Love

Love is deeply biological. The evolutionary principles and ancient hormonal and neural systems that support the beneficial and healing effects of loving relationships are described here. Structure and function of neurons is a necessary foundation as you move forward in the field of psychology.

Chapter 3: The Brain and Nervous System

The brain is the most complex part of the human body. It is the center of consciousness and also controls all voluntary and involuntary movement and bodily functions. It communicates with each part of the body through the nervous system, a network of channels that carry electrochemical signals.

Chapter 4: Hormones and Behavior

The goal of this module is to introduce you to the topic of hormones and behavior. This field of study is also called behavioral endocrinology, which is the scientific study of the interaction between hormones and behavior.

Chapter 5: Epigenetic in Psychology

Early life experiences exert a profound and long-lasting influence on physical and mental health throughout life. In this module, we survey recent developments revealing epigenetic aspects of mental health and review some of the challenges of epigenetic approaches in psychology to help explain how nurture shapes nature.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **BIOLOGICAL BASIS OF BEHAVIOUR**

ACADEMIC YEAR: 2020-21 **Date: 05.05.2021**

B.TECH. I YEAR-II SEM CSE **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	10-05-2021	The fundamental drives behind everyone's feelings, thoughts, and behaviors. It defines the means of biological reproduction	10.00 am to 04.00 pm	5 Hours
2	111-05-2021	The evolutionary principles and ancient hormonal and neural systems that support the beneficial and healing effects of loving relationships are described here	10.00 am to 04.00 pm	5 Hours
3	12-05-2021	The brain is the most complex part of the human body. It is the center of consciousness and also controls all voluntary and involuntary movement and bodily functions	10.00 am to 04.00 pm	5 Hours
4	13-05-2021	The goal of this module is to introduce you to the topic of hormones and behavior	10.00 am to 04.00 pm	5 Hours
5	14-05-2021	Early life experiences exert a profound and long-lasting influence on physical and mental health throughout life. In this module, we survey recent developments	10.00 am to 04.00 pm	5 Hours
6	15-05-2021	revealing epigenetic aspects of mental health and review some of the challenges of epigenetic approaches in psychology to help explain how nurture shapes nature	10.00 am to 04.00 pm	5 Hours
				Total – 30 Hours

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **BIOLOGICAL BASIS OF BEHAVIOUR**

I YEAR- II SEM CSE **Enrolled Students List** **Date: 10-05-2021 to 15-05-2021**

S.NO	Roll Number	Name of The Student
1	20Q61A0571	S Rajesh Gupta
2	20Q61A0572	Sai Vivek Matte
3	20Q61A0573	Shende Harikrishna
4	20Q61A0574	Shiva Kumar Vanam
5	20Q61A0575	Sourav Shukla
6	20Q61A0576	Suryawanshi Sachin
7	20Q61A0577	Syed Musharraf Uddin
8	20Q61A0578	T Narsimulu
9	20Q61A0579	Thirumala Nagaraju
10	20Q61A0580	Thota Lohitha
11	20Q61A0581	Tirumala Abhiramachary
12	20Q61A0582	Tirumareddy Ajitesh Reddy
13	20Q61A0583	Tudimilla Sravanthi
14	20Q61A0584	Utkam Sahasra
15	20Q61A0585	Vadlakonda Manideep
16	20Q61A0586	Vavilapalli Bhuvanesh
17	20Q61A0587	Velpula Rajesh
18	20Q61A0588	Lankela Uday Kiran Reddy
19	20Q61A0589	Madireddy Ajay Reddy
20	20Q61A0590	Mahammad Shennu
21	20Q61A0591	Malreddy Adithya
22	20Q61A0592	Mandugula Sadhwika
23	20Q61A0593	Minukuri Sai Prakash
24	20Q61A0594	Miyapuram Raja Vikas
25	20Q61A0595	Patibandla Chaitanya
26	20Q61A0596	Puli Hari Krishna

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27	20Q61A0597	Singireddy Mahalaxmi
28	20Q61A0598	Singireddy Ruthish Reddy
29	20Q61A0599	Somagani Navya
30	20Q61A05A0	Vankoju Purnanandha
31	20Q61A05A1	Yasa Mahesh Reddy
32	20Q61A05A2	Gajaula Venkatesh-
33	20Q61A05A3	Padala Abhilash
34	20Q61A0571	S Rajesh Gupta

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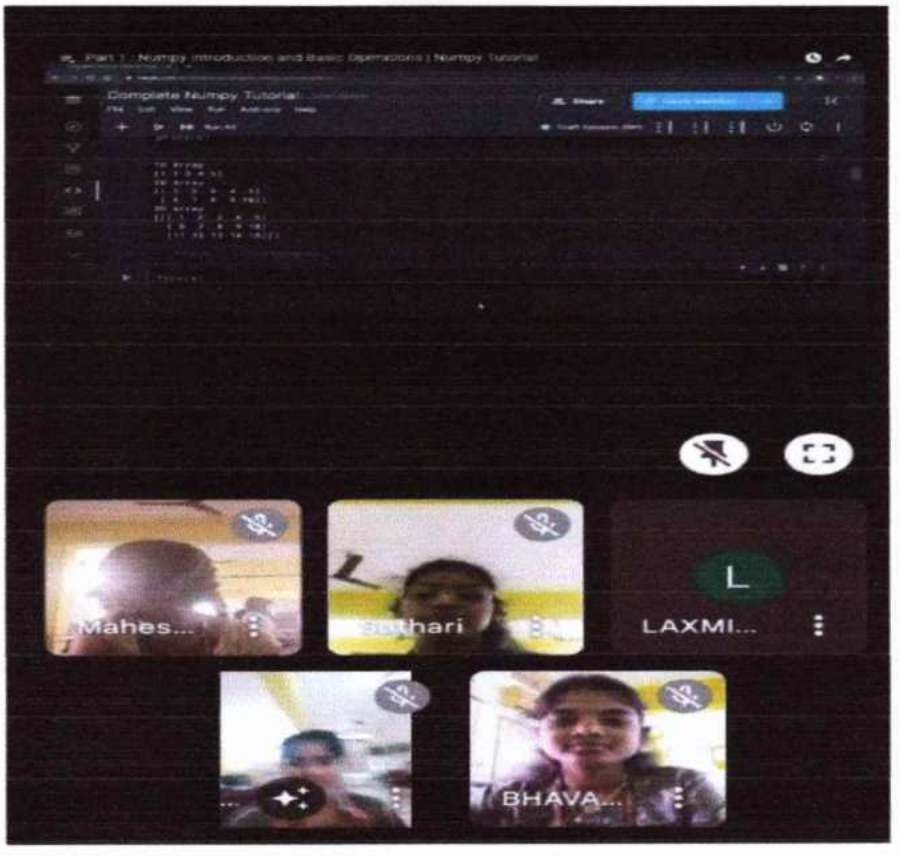

The students of I year B.Tech certificate program attending " Biological Basis of Behaviour" by Mr.E.Ravi assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: BIOLOGICAL BASIS OF BEHAVIOUR

I YEAR- II SEM CSE **A.Y 2020-2021** **Date: 03-05-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	10.05.21	11.05.21	12.05.21	13.05.21	14.05.21	15.05.21
1	20Q61A0571	S Rajesh Gupta	P	P	P	P	P	P
2	20Q61A0572	Sai Vivek Matte	P	P	P	P	P	P
3	20Q61A0573	Shende Harikrishna	P	P	P	P	P	P
4	20Q61A0574	Shiva Kumar Vanam	A	P	P	P	P	P
5	20Q61A0575	Sourav Shukla	P	P	P	P	P	P
6	20Q61A0576	Suryawanshi Sachin	P	P	P	P	P	P
7	20Q61A0577	Syed Musharraf Uddin	P	P	P	P	P	P
8	20Q61A0578	T Narsimulu	P	P	P	P	P	P
9	20Q61A0579	Thirumala Nagaraju	P	P	P	P	P	P
10	20Q61A0580	Thota Lohitha	P	P	P	P	P	P
11	20Q61A0581	Tirumala Abhiramachary	P	A	P	P	P	P
12	20Q61A0582	Tirumareddy Ajitesh Reddy	P	P	P	P	P	P
13	20Q61A0583	Tudimilla Sravanthi	P	P	P	P	P	P
14	20Q61A0584	Utkam Sahasra	P	P	P	P	P	P
15	20Q61A0585	Vadlakonda Manideep	P	P	P	P	P	P
16	20Q61A0586	Vavilapalli Bhuvanesh	P	P	P	P	P	P
17	20Q61A0587	Velpula Rajesh	P	P	P	P	P	P
18	20Q61A0588	Lankela Uday Kiran Reddy	A	P	P	P	P	P
19	20Q61A0589	Madireddy Ajay Reddy	P	P	P	P	P	P
20	20Q61A0590	Mahammad Shennu	P	P	P	P	P	P
21	20Q61A0591	Malreddy Adithya	P	P	P	P	P	P
22	20Q61A0592	Mandugula Sadhwika	P	P	P	P	P	P
23	20Q61A0593	Minukuri Sai Prakash	P	P	P	P	P	P
24	20Q61A0594	Miyapuram Raja Vikas	P	P	P	P	P	P
25	20Q61A0595	Patibandla Chaitanya	P	P	P	P	P	P
26	20Q61A0596	Puli Hari Krishna	P	P	P	P	P	P
27	20Q61A0597	Singireddy Mahalaxmi	P	P	P	P	P	P
28	20Q61A0598	Singireddy Ruthish Reddy	P	P	P	P	P	P
29	20Q61A0599	Somagani Navya	P	P	P	P	P	P

30	20Q61A05A0	Vankoju Purnanandha	P	P	P	P	P	P
31	20Q61A05A1	Yasa Mahesh Reddy	P	A	P	P	P	P
32	20Q61A05A2	Gajaula Venkatesh-	P	P	P	P	P	P
33	20Q61A05A3	Padala Abhilash	P	P	P	P	P	P
34	20Q61A0571	S Rajesh Gupta	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **BIOLOGICAL BASIS OF BEHAVIOUR**

I YEAR- II SEM CSE **A.Y 2020-21** **Date: 10-05-2021 to 15-05-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0571	S Rajesh Gupta	30	100
2	20Q61A0572	Sai Vivek Matte	30	100
3	20Q61A0573	Shende Harikrishna	30	100
4	20Q61A0574	Shiva Kumar Vanam	25	83.3
5	20Q61A0575	Sourav Shukla	30	100
6	20Q61A0576	Suryawanshi Sachin	30	100
7	20Q61A0577	Syed Musharraf Uddin	30	100
8	20Q61A0578	T Narsimulu	30	100
9	20Q61A0579	Thirumala Nagaraju	30	100
10	20Q61A0580	Thota Lohitha	30	100
11	20Q61A0581	Tirumala Abhiramachary	25	83.3
12	20Q61A0582	Tirumareddy Ajitesh Reddy	30	100
13	20Q61A0583	Tudimilla Sravanthi	30	100
14	20Q61A0584	Utkam Sahasra	30	100
15	20Q61A0585	Vadlakonda Manideep	30	100
16	20Q61A0586	Vavilapalli Bhuvanesh	30	100
17	20Q61A0587	Velpula Rajesh	30	100
18	20Q61A0588	Lankela Uday Kiran Reddy	25	83.3
19	20Q61A0589	Madireddy Ajay Reddy	30	100
20	20Q61A0590	Mahammad Shennu	30	100
21	20Q61A0591	Malreddy Adithya	30	100
22	20Q61A0592	Mandugula Sadhwika	30	100
23	20Q61A0593	Minukuri Sai Prakash	30	100
24	20Q61A0594	Miyapuram Raja Vikas	30	100
25	20Q61A0595	Patibandla Chaitanya	30	100
26	20Q61A0596	Puli Hari Krishna	30	100

27	20Q61A0597	Singireddy Mahalaxmi	30	100
28	20Q61A0598	Singireddy Ruthish Reddy	30	100
29	20Q61A0599	Somagani Navya	30	100
30	20Q61A05A0	Vankoju Purnanandha	30	100
31	20Q61A05A1	Yasa Mahesh Reddy	25	83.3
32	20Q61A05A2	Gajaula Venkatesh-	30	100
33	20Q61A05A3	Padala Abhilash	30	100
34	20Q61A0571	S Rajesh Gupta	30	100

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 20.05.2021

PROGRAM REPORT

Name of the value added course: Biological Basis of Behavior
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.E.Ravi Assistant Professor
Name of the Coordinator: Mr.B.Balaji Assistant Professor
Number of the Participants: 33
Topics covered: The following topics covered in this program

- Person's attraction to others
- Further, it shapes the brain
- Neurons is a necessary foundation
- Network of channels of electrochemical signals
- Long-lasting influences epigenetic aspects

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **S.RAJESH GUPTA** Bearing roll number **20Q61A0571** from the department of **Basic Sciences and Humanities** completed the value added course on **"BIOLOGICAL BASIS OF BEHAVIOUR"** During the year **2020-2021**.

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **S.NAVYA** Bearing roll number **20Q61A0599** from the department of **Basic Sciences and Humanities** completed the value added course on "**BIOLOGICAL BASIS OF BEHAVIOUR**" During the year **2020-2021**.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2l/II/02 **Date: 20-05-2021**

CIRCULAR

This is to inform all the I B. Tech CSM students that, the Department organizing a Value Added Course on **"Plant Tissue Culture "**. Department Advisory Committee has been identified **Dr.K.Shailaja Professor** as a resource person for this course. This course is scheduled for 06 days which will take place from 24-05-2021 to 29-05-2021 in online mode through Google Meet.

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Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
I B. Tech CSM students
Dept. file

ABOUT THE COURSE

Plant tissue and cell culture describes the sterile growth and multiplication of plant cells, tissues, and organs in vitro. Plant cells cultured with nutrient media in an artificial environment can be clonally propagated at scale, to more quickly produce mature and disease-free plants.

COURSE OBJECTIVES

- Understand the current developments in the field of Biotechnology.
- Equip the students to carry out plant tissue culture.

EXPECTED OUTCOMES

By the end of this course, students will be able to:

- Understand the basic concepts in plant tissue culture
- Discuss the process involved in micro propagation
- Analyze the practical use of tissue culture in life.

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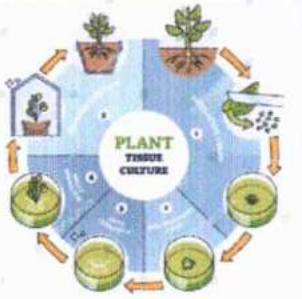

VALUE ADDED COURSE ON

"PLANT TISSUE CULTURE"

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

24th MAY to 29th MAY,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Resource Person
Dr.K.Shailaja
Professor
Department of H&S

Co-ordinator
Mrs.K.Swapna
Assistant Professor
Department of H&S



Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@LSfaklewqr6gqqpytedkhg-gJz3wbKtECF6ONOUD7J3hFN8DFmElG/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-htklmt-vlm-sq-ifeauj

Class starts from 24-05-2021 to 29-05-2021,10:00 AM to 04:00 PM

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: PLANT TISSUE CULTURE

VALUE ADDED COURSE SYLLABUS

B.TECH I YERA-II SEM CSM ACADEMIC YEAR: 2020-21

Course objectives:

- Understand the current developments in the field of Biotechnology.
- Equip the students to carry out plant tissue culture.

Course Outcome:

By the end of this course, students will be able to:

- Understand the basic concepts in plant tissue culture
- Discuss the process involved in micro propagation
- Analyze the practical use of tissue culture in life.

Module-I Brief history of tissue culture:

a) Cellular tot potency
b) Concept of dedifferentiation, redifferentiation and organogenesis

Module-II Tissue culture media:

a) Media composition
b) Selection of media
c) Media preparation

Module-III Micro propagation:

a) Selection of suitable material
b) Stock plant selection
c) Parts of plant
d) Size of explants
e) Avoid diseased tissue

Module-IV Types of plant tissue culture:

a) Meristem culture
b) Callus culture
c) Another culture
d) Embryo culture
e) Ovary culture
f) Ovule culture
g) Pollen culture

Module- V Benefits of plant tissue culture:

a) Rapid multiplication of clones
b) Genetic uniformity

c) Aseptic condition
d) Controlled environment

REFERENCE BOOKS:

1. R Keshava chandran and K V Peter. Plant Biotechnology: Methods in Tissue Culture and Gene Transfer. Orient Blackswan.
2. Haberlandt, G. (1902) Kulturver suchemitisoliertenPflanzenzellen. Sitzungsber. Akad. Wiss. Wien. Math.-Naturwiss. Kl., Abt. J. 111, 69–92

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **PLANT TISSUE CULTURE**

ACADEMIC YEAR: 2020-21 **Date: 20.05.2021**

B.TECH. I YEAR-II SEM CSM **DAY WISE SCHEDULE SHEET**

S.No	DAY	Topic	Timings	Duration
1	24.05.2021	Cellular tot potency Concept of dedifferentiation, redifferentiation and organogenesis	10:00 am to 04:00 pm	5 hours
2	25.05.2021	Media composition, Selection of media &Media preparation	10:00 am to 04:00 pm	5 hours
3	26.05.2021	Selection of suitable material Stock plant selection Parts of plant Size of explants Avoid diseased tissue	10:00 am to 04:00 pm	5 hours
4	27.05.2021	Meristem culture ,Callus culture Another culture, Embryo culture Ovary culture, Ovule culture	10:00 am to 04:00 pm	5 hours
5	28.05.2021	Benefits of plant tissue culture Rapid multiplication of clones Genetic uniformity	10:00 am to 04:00 pm	5 hours
6	29.05.2021	Aseptic condition, Controlled environment	10:00 am to 04:00 pm	5 hours
				TOTAL : 30 Hours

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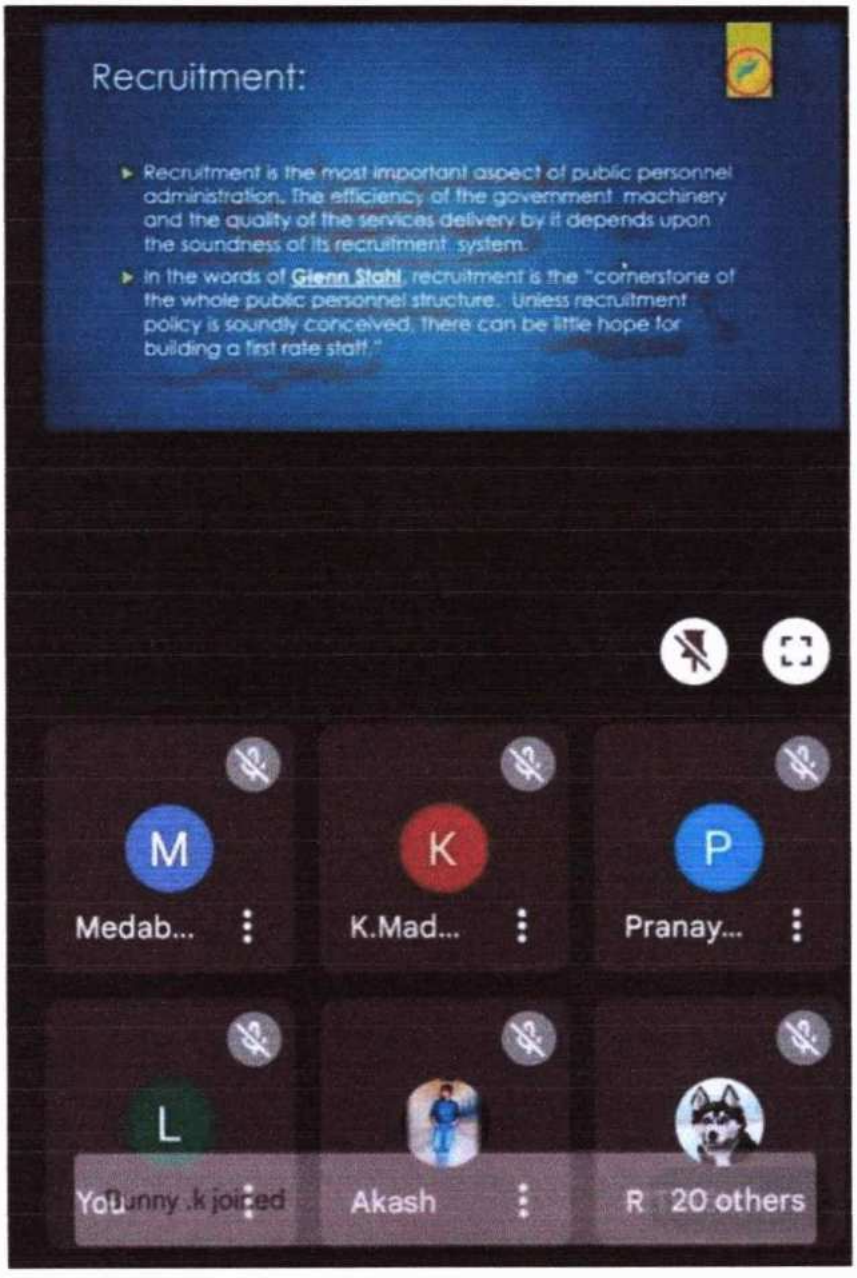

The students of I year B.Tech certificate program attending " Plant Tissue Culture" by Dr.K.Shailaja assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **PLANT TISSUE CULTURE**

I YEAR –II SEM CSM **Enrolled Students List** **Date: 24-05-2021 to 29-05-2021**

S.No	Roll Number	Name of The Student
1	20Q61A6601	Amgoth Pushpalatha
2	20Q61A6602	Balagoni Anil Goud
3	20Q61A6603	Bheemidi Ruthvik Reddy
4	20Q61A6604	Durgam Swamy
5	20Q61A6605	G Diwakar
6	20Q61A6606	Ganure Dinesh
7	20Q61A6607	Jella Priyanka
8	20Q61A6608	Kalali Vinesh Goud
9	20Q61A6609	Karakatla Vyshnavi
10	20Q61A6610	Kavali Madhu
11	20Q61A6611	Lakavath Shirisha
12	20Q61A6612	Lolam Sri Hari
13	20Q61A6613	Mohammed Uman
14	20Q61A6614	Nelavalli Dinesh Chowdary
15	20Q61A6615	Parsha Vamshi Krishna
16	20Q61A6616	Parupally Girija
17	20Q61A6617	Sapavath Lokesh
18	20Q61A6618	Sharma Meenakshi
19	20Q61A6619	Suryadevara Ujwala
20	20Q61A6620	Venkaiahgari Vinay
21	20Q61A6621	Yelpula Sai Teja
22	20Q61A6622	Bhagath Vamshi
23	20Q61A6623	Chinthakindi Murari
24	20Q61A6624	Duddukuri Sandeep
25	20Q61A6625	Goshika Shiva Krishna
26	20Q61A6626	Katepally Saikumar
27	20Q61A6627	Koppisetti Joshna Satwika
28	20Q61A6628	Oddhi Vignesh
29	20Q61A6629	Padamati Karthik Reddy
30	20Q61A6630	Sanku Vaishnavi
31	20Q61A6631	Sunkoju Harini
32	20Q61A6632	Veeramalla Ramu
33	20Q61A6633	Balu Reddi Prakash

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **PLANT TISSUE CULTURE**

I YEAR –II SEM CSM **A.Y 2020-2021** **Date: 20-05-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	24.05.21	25.05.21	26.05.21	27.05.21	28.05.21	29.05.21
1	20Q61A6601	Amgoth Pushpalatha	P	P	P	P	P	P
2	20Q61A6602	Balagoni Anil Goud	A	A	A	A	A	A
3	20Q61A6603	Bheemidi Ruthvik Reddy	P	P	P	P	P	P
4	20Q61A6604	Durgam Swamy	P	P	P	P	P	P
5	20Q61A6605	G Diwakar	P	P	P	P	P	P
6	20Q61A6606	Ganure Dinesh	P	P	P	P	P	P
7	20Q61A6607	Jella Priyanka	P	P	P	P	P	P
8	20Q61A6608	Kalali Vinesh Goud	P	P	P	P	P	P
9	20Q61A6609	Karakatla Vyshnavi	A	P	P	P	P	P
10	20Q61A6610	Kavali Madhu	P	P	P	P	P	P
11	20Q61A6611	Lakavath Shirisha	P	P	P	P	P	P
12	20Q61A6612	Lolam Sri Hari	P	P	P	P	P	P
13	20Q61A6613	Mohammed Uman	P	P	A	P	P	P
14	20Q61A6614	Nelavalli Dinesh Chowdary	P	P	P	P	P	P
15	20Q61A6615	Parsha Vamshi Krishna	P	P	P	P	P	P
16	20Q61A6616	Parupally Girija	P	P	P	P	P	P
17	20Q61A6617	Sapavath Lokesh	P	P	P	P	P	P
18	20Q61A6618	Sharma Meenakshi	A	P	P	P	P	P
19	20Q61A6619	Suryadevara Ujwala	P	P	P	P	P	P
20	20Q61A6620	Venkaiahgari Vinay	P	P	P	P	P	P
21	20Q61A6621	Yelpula Sai Teja	P	P	P	P	P	P
22	20Q61A6622	Bhagath Vamshi	P	P	P	P	P	P
23	20Q61A6623	Chinthakindi Murari	P	P	P	P	P	P
24	20Q61A6624	Duddukuri Sandeep	P	P	P	P	P	P
25	20Q61A6625	Goshika Shiva Krishna	P	P	P	P	P	P
26	20Q61A6626	Katepally Saikumar	P	P	P	P	P	P
27	20Q61A6627	Koppisetti Joshna Satwika	P	P	P	P	P	P
28	20Q61A6628	Oddhi Vignesh	P	P	P	P	P	P
29	20Q61A6629	Padamati Karthik Reddy	A	A	A	A	A	A
30	20Q61A6630	Sanku Vaishnavi	P	P	P	P	P	P
31	20Q61A6631	Sunkoju Harini	P	P	P	P	P	P
32	20Q61A6632	Veeramalla Ramu	P	P	P	P	P	P
33	20Q61A6633	Balu Reddi Prakash	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **PLANT TISSUE CULTURE**

I YEAR –II SEM CSM **A.Y 2020-21** **Date: 24-05-2021 to 29-05-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A6601	Amgoth Pushpalatha	30	100
2	20Q61A6602	Balagoni Anil Goud	0	0
3	20Q61A6603	Bheemidi Ruthvik Reddy	30	100
4	20Q61A6604	Durgam Swamy	30	100
5	20Q61A6605	G Diwakar	30	100
6	20Q61A6606	Ganure Dinesh	30	100
7	20Q61A6607	Jella Priyanka	30	100
8	20Q61A6608	Kalali Vinesh Goud	30	100
9	20Q61A6609	Karakatla Vyshnavi	25	83.3
10	20Q61A6610	Kavali Madhu	30	100
11	20Q61A6611	Lakavath Shirisha	30	100
12	20Q61A6612	Lolam Sri Hari	30	100
13	20Q61A6613	Mohammed Uman	25	83.3
14	20Q61A6614	Nelavalli Dinesh Chowdary	30	100
15	20Q61A6615	Parsha Vamshi Krishna	30	100
16	20Q61A6616	Parupally Girija	30	100
17	20Q61A6617	Sapavath Lokesh	30	100
18	20Q61A6618	Sharma Meenakshi	25	83.3
19	20Q61A6619	Suryadevara Ujwala	30	100
20	20Q61A6620	Venkaiahgari Vinay	30	100
21	20Q61A6621	Yelpula Sai Teja	30	100
22	20Q61A6622	Bhagath Vamshi	30	100
23	20Q61A6623	Chinthakindi Murari	30	100
24	20Q61A6624	Duddukuri Sandeep	30	100
25	20Q61A6625	Goshika Shiva Krishna	30	100
26	20Q61A6626	Katepally Saikumar	30	100
27	20Q61A6627	Koppisetti Joshna Satwika	30	100
28	20Q61A6628	Oddhi Vignesh	30	100
29	20Q61A6629	Padamati Karthik Reddy	0	0
30	20Q61A6630	Sanku Vaishnavi	30	100
31	20Q61A6631	Sunkoju Harini	30	100
32	20Q61A6632	Veeramalla Ramu	30	100
33	20Q61A6633	Balu Reddi Prakash	30	100

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 05.06.2021

PROGRAM REPORT

Name of the value added course: PLANT TISSUE CULTURE
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Dr.K.Shailaja, Professor
Name of the Coordinator: Mrs.K.Swapna, Assistant Professor
Number of the Participants: 33
Topics covered: The following topics covered in this program

1 Brief history of tissue culture.
2 Tissue culture media.
3 Micro propagation.
4 Types of plant tissue culture.
5 Benefits of plant tissue culture

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **A.PUSHPALATHA** Bearing roll number **20Q61A6601** from the department of **Basic Sciences and Humanities** completed the value added course on "**PLANT TISSUE CULTURE**" During the year **2020-2021**.

Head of The Department

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Reddy District.

Co-Ordinator

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Principal

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **V.RAMU** Bearing roll number **20Q61A6632** from the department of **Basic Sciences and Humanities** completed the value added course on **"PLANT TISSUE CULTURE"** During the year **2020-2021**.

Head of The Department

Head of the Department
Humanities & Sciences
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Gunthapally (Vill), Abdullapur Met (Mdl),
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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2l/II/03 **Date: 09-06-2021**

CIRCULAR

This is to inform all the I B. Tech ECE students that, the Department organizing an Value Added Course on **"Fundamental and applications in computer vision".** Department Advisory Committee has been identified **Mr.G.Ramakrishna, Assistant Professor Department of CSE.** As a resource person for this course. This course is scheduled for 06 Days which will take from 14-06-2021 to 19-06-2021 in online mode. This course is organized by Department of Basic Science and Humanities.

HOD

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Gunthapally (V), Abdullapur Met (Md), R.R. Dist.

Head of the Department
Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

Copy to:

The principal, for kind information
IQAC
Notice Board
I.B. Tech ECE students
Dept. file

ABOUT THE COURSE

Computer vision is the field of study that enables computers to see and understand the visual world. It is one of the most exciting and rapidly evolving areas of artificial intelligence, with applications ranging from face recognition and biometrics to self-driving cars and augmented reality.

COURSE OBJECTIVES

- **To introduce students the fundamentals of image formation.**
- **To introduce students the major ideas, methods, and techniques of computer vision and pattern recognition.**
- **To develop an appreciation for various issues in the design of computer vision and object recognition systems.**
- **To provide the student with programming experience from implementing computer vision and object recognition applications**

EXPECTED OUTCOMES

By the end of this course, students will be able to:

- **Describe how mathematical and scientific concepts are applied in computer vision.**
- **Identify and interpret appropriate sources of information relating to computer vision.**
- **Apply knowledge of computer vision to real life scenarios.**
- **Reflect on the relevance of current and future computer vision applications.**
- **Discuss principles of computer vision using appropriate language and terminology.**

Resource Person
Mr.G.Ramakrishna
Assistant Professor
Department of CSE

Co-ordinator
Mr.Sathyanarayana Chary
Assistant Professor
Department of H&S

Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@LSfaklewqr6gqSCGCE4gJz3wbKtECF6ONOUD7J3hFN8DFmElG/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-htklmt-vlm-sqew

Class starts from 14-06-2021 to 19-06-2021,10:00 AM to 04:00 PM

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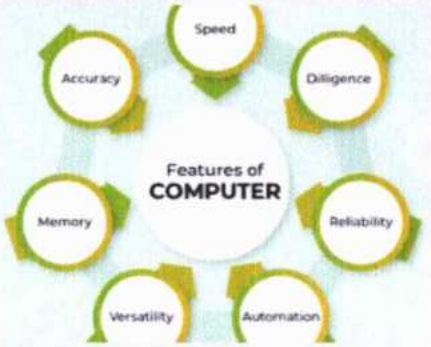
INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

ACCREDITED WITH GRADE B++ NAAC



VALUE ADDED COURSE ON

"FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION"

14th JUNE to 19th JUNE,2021

DURATION OF THE COURSE 30HRS

ORGANIZED BY :
DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION**
VALUE ADDED COURSE SYLLABUS

B.TECH I YEAR-II SEM ECE ACADEMIC YEAR: 2020-21

Course objectives:

- To introduce students the fundamentals of image formation.
- To introduce students the major ideas, methods, and techniques of computer vision and pattern recognition;
- To develop an appreciation for various issues in the design of computer vision and object recognition systems.
- To provide the student with programming experience from implementing computer vision and object recognition applications

Course Outcome:

By the end of this course, students will be able to:

- Describe how mathematical and scientific concepts are applied in computer vision.
- Identify and interpret appropriate sources of information relating to computer vision.
- Apply knowledge of computer vision to real life scenarios.
- Reflect on the relevance of current and future computer vision applications.
- Discuss principles of computer vision using appropriate language and terminology.

Chapter 1: Introduction to Computer Vision and Basic Concepts of Image Formation: Introduction and Goals of Computer Vision and Image Processing, Image Formation Concepts. Fundamental Concepts of Image Formation: Radiometry, Geometric Transformations, Geometric Camera Models.

Chapter 2: Fundamental Concepts of Image Formation: Camera Calibration, Image Formation in a Stereo Vision Setup, Image Reconstruction from a Series of Projections. Image Processing Concepts: Image Transforms.

Chapter 3: Image Processing Concepts: Image Transforms, Image Enhancement. Image Processing Concepts: Image Filtering, Color Image Processing, Image Segmentation Image Descriptors and Features: Texture Descriptors, Color Features, Edges/Boundaries.

Chapter 4: Fundamentals of Machine Learning: Linear Regression, Basic Concepts of Decision Functions, Elementary Statistical Decision Theory, Parameter Estimation, Clustering for Knowledge Representation, Dimension Reduction, and Linear Discriminate Analysis.

Chapter 5: Applications of Computer Vision: Artificial Neural Network for Pattern Classification, Convolution Neural Networks, Autoencoders.Applications of Computer Vision: Gesture Recognition, Motion Estimation and Object Tracking.

TEXT BOOKS:

1. Computer Vision - A modern approach, by D. Forsyth and J. Ponce, Prentice Hall Robot Vision, by B. K. P. Horn, McGraw-Hill.

REFERENCE BOOKS:

1. Richard Szeliksy "Computer Vision: Algorithms and Applications"
(http://szeliski.org/Book/) 2. Haralick& Shapiro, "Computer and Robot Vision", Vol II
3. G_erardMedioni and Sing Bing Kang "Emerging topics in computer vision"
4. Emanuele Trucco and AllessandroVerri "Introductory Techniques for 3-D Computer Vision", Prentice Hall, 1998.
5. Olivier Faugeras, "Three-Dimensional Computer Vision", the MIT Press, 1993.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION**

ACADEMIC YEAR: 2020-21 **Date: 09-06-2021**

B.TECH. I YERA-II SEM ECE **DAY WISE SCHEDULE SHEET**

S.No	DAY	Topic	Timings	Duration
1	14.06.2021	Introduction to Computer Vision and Basic Concepts of Image Formation: Introduction and Goals of Computer Vision and Image Processing, Image Formation Concepts	10:00 am to 04:00 pm	5 Hours
2	15.06.2021	Fundamental Concepts of Image Formation: Camera Calibration, Image Formation in a Stereo Vision Setup	10:00 am to 04:00 pm	5 Hours
3	16.06.2021	Image Processing Concepts: Image Transforms, Image Enhancement. Image Processing Concepts: Image Filtering	10:00 am to 04:00 pm	5 Hours
4	17.06.2021	Fundamentals of Machine Learning: Linear Regression, Basic Concepts of Decision Functions, Elementary Statistical Decision Theory, Parameter Estimation	10:00 am to 04:00 pm	5 Hours
5	18.06.2021	Applications of Computer Vision: Artificial Neural Network for Pattern	10:00 am to 04:00 pm	5 Hours
6	19.06.2021	Applications of Computer Vision: Gesture Recognition, Motion Estimation and Object Tracking.	10:00 am to 04:00 pm	5 Hours
				TOTAL : 30 Hours

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PRINCIPAL

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION

I YEAR - II SEM ECE **Enrolled Students List** **Date: 14-06-2021 to 19-06-2021**

S.No	Roll Number	Name of The Student
1	20Q61A0401	Baluguri Mounika
2	20Q61A0402	Barakala Nandhini
3	20Q61A0403	Boddupally Suresh
4	20Q61A0404	Chetlapalli Sampath Kumar
5	20Q61A0405	Deekonda Vinay Kumar
6	20Q61A0406	Donikala Vinay Goud
7	20Q61A0407	Donikela Prudhvi Samrat
8	20Q61A0408	Ganganamoni Vinayak
9	20Q61A0409	Gosti Rajesh Reddy
10	20Q61A0410	Gunta Mahesh
11	20Q61A0411	Kamagani Akhil
12	20Q61A0412	Kamsani Yakshitha
13	20Q61A0413	Kanduri Nithin Kumar
14	20Q61A0414	Kanna Anjan Kumar Goud
15	20Q61A0415	Karjale Akash Reddy
16	20Q61A0416	Katipally Shashi Kumar
17	20Q61A0417	Kummari Shirisha
18	20Q61A0418	Kura Lokesh-
19	20Q61A0419	Lingala Kavyanjali
20	20Q61A0420	Mayini Naresh
21	20Q61A0421	Mukundu Saikumar
22	20Q61A0422	Muppa Uday Kiran
23	20Q61A0423	P Ramulu
24	20Q61A0424	Pardha Saradhi Reddy Talasani
25	20Q61A0425	Parvatham Tejaswi
26	20Q61A0426	Pole Shekar
27	20Q61A0427	Sandanolla Suvarna
28	20Q61A0428	Tallapally Uday Kumar

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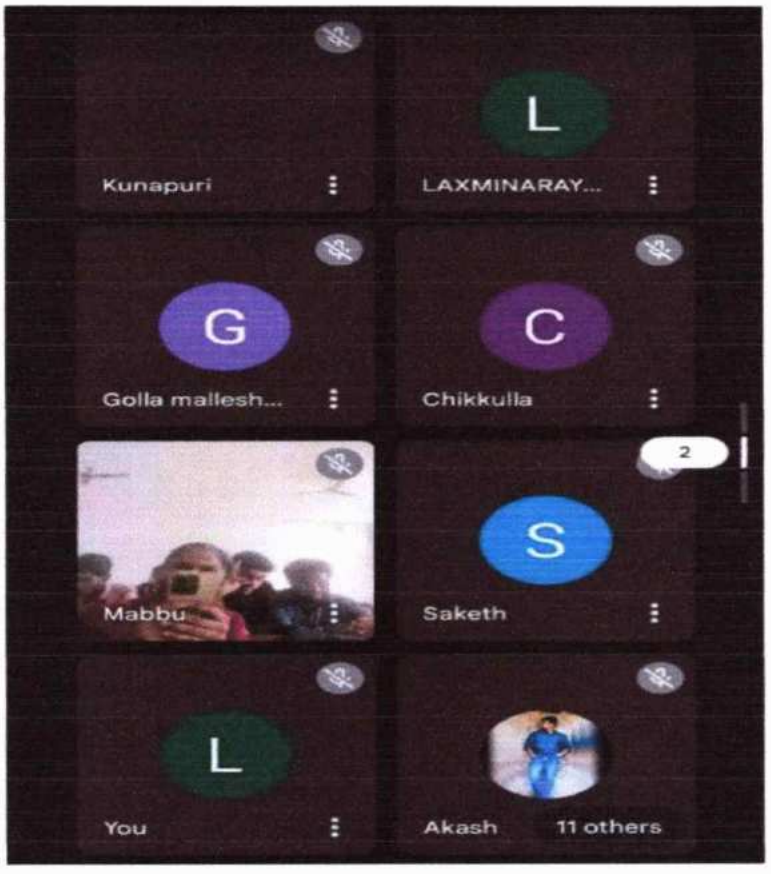

The students of I year B.Tech certificate program attending "Fundamental and applications in computer vision" by Mr.G.Ramakrishna assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION

I YEAR - II SEM ECE **A.Y 2020-2021** **Date: 09-06-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	14.06.21	15.06.21	16.06.21	17.06.21	18.06.21	19.06.21
1	20Q61A0401	Baluguri Mounika	A	A	A	A	A	A
2	20Q61A0402	Barakala Nandhini	P	P	P	P	P	P
3	20Q61A0403	Boddupally Suresh	P	P	P	P	P	P
4	20Q61A0404	Chetlapalli Sampath Kumar	P	P	P	P	P	P
5	20Q61A0405	Deekonda Vinay Kumar	P	P	P	P	P	P
6	20Q61A0406	Donikala Vinay Goud	A	P	P	P	P	P
7	20Q61A0407	Donikela Prudhvi Samrat	P	P	P	P	P	P
8	20Q61A0408	Ganganamoni Vinayak	P	P	P	P	P	P
9	20Q61A0409	Gosti Rajesh Reddy	P	P	P	P	P	P
10	20Q61A0410	Gunta Mahesh	P	P	P	A	P	P
11	20Q61A0411	Kamagani Akhil	P	P	P	P	P	P
12	20Q61A0412	Kamsani Yakshitha	P	P	P	P	P	P
13	20Q61A0413	Kanduri Nithin Kumar	A	A	A	A	A	A
14	20Q61A0414	Kanna Anjan Kumar Goud	P	P	P	P	P	P
15	20Q61A0415	Karjale Akash Reddy	P	P	P	P	P	P
16	20Q61A0416	Katipally Shashi Kumar	P	P	P	P	P	P
17	20Q61A0417	Kummari Shirisha	A	P	P	P	P	P
18	20Q61A0418	Kura Lokesh-	P	P	P	P	P	P
19	20Q61A0419	Lingala Kavyanjali	P	P	P	P	P	P
20	20Q61A0420	Mayini Naresh	P	P	P	P	P	P
21	20Q61A0421	Mukundu Saikumar	P	P	P	P	P	P
22	20Q61A0422	Muppa Uday Kiran	P	P	P	P	P	P
23	20Q61A0423	P Ramulu	P	P	P	P	P	P
24	20Q61A0424	Pardha Saradhi Reddy Talasani	A	A	A	A	A	A
25	20Q61A0425	Parvatham Tejaswi	P	P	P	P	P	P
26	20Q61A0426	Pole Shekar	P	P	P	P	P	P
27	20Q61A0427	Sandanolla Suvarna	P	P	P	P	P	P
28	20Q61A0428	Tallapally Uday Kumar	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION**

I YEAR - II SEM ECE **A.Y 2020-21** **Date: 14-06-2021 to 19-06-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0401	Baluguri Mounika	0	0
2	20Q61A0402	Barakala Nandhini	30	100
3	20Q61A0403	Boddupally Suresh	30	100
4	20Q61A0404	Chetlapalli Sampath Kumar	30	100
5	20Q61A0405	Deekonda Vinay Kumar	30	100
6	20Q61A0406	Donikala Vinay Goud	25	83.3
7	20Q61A0407	Donikela Prudhvi Samrat	30	100
8	20Q61A0408	Ganganamoni Vinayak	30	100
9	20Q61A0409	Gosti Rajesh Reddy	30	100
10	20Q61A0410	Gunta Mahesh	25	83.3
11	20Q61A0411	Kamagani Akhil	30	100
12	20Q61A0412	Kamsani Yakshitha	30	100
13	20Q61A0413	Kanduri Nithin Kumar	0	0
14	20Q61A0414	Kanna Anjan Kumar Goud	30	100
15	20Q61A0415	Karjale Akash Reddy	30	100
16	20Q61A0416	Katipally Shashi Kumar	30	100
17	20Q61A0417	Kummari Shirisha	25	83.3
18	20Q61A0418	Kura Lokesh-	30	100
19	20Q61A0419	Lingala Kavyanjali	30	100
20	20Q61A0420	Mayini Naresh	30	100
21	20Q61A0421	Mukundu Saikumar	30	100
22	20Q61A0422	Muppa Uday Kiran	30	100
23	20Q61A0423	P Ramulu	30	100
24	20Q61A0424	Pardha Saradhi Reddy Talasani	0	0
25	20Q61A0425	Parvatham Tejaswi	30	100
26	20Q61A0426	Pole Shekar	30	100
27	20Q61A0427	Sandanolla Suvarna	30	100
28	20Q61A0428	Tallapally Uday Kumar	30	100

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 25.06.2021

PROGRAM REPORT

Name of the value added course: Fundamental and Applications in Computer Vision
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.G.Ramakrishna, Assistant Professor
Name of the Coordinator: Mr.Sathyanarayana Chary, Assistant Professor
Number of the Participants: 25
Topics covered: The following topics covered in this program

- Introduction to Computer Vision and Basic Concepts.
- Fundamental Concepts of Image Formation.
- Image Processing Concepts: Image Transforms, Image Enhancement.
- Fundamentals of Machine Learning: Linear Regression.
- Applications of Computer Vision.

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.MOUNIKA** Bearing roll number **20Q61A0401** from the department of **Basic Sciences and Humanities** completed the value added course on **"FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION"** During the year **2020-2021.**

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **S.SUVARNA** Bearing roll number **20Q61A0427** from the department of **Basic Sciences and Humanities** completed the value added course on **"FUNDAMENTAL AND APPLICATIONS IN COMPUTER VISION"** During the year **2020-2021**.

Head of The Department

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Co-Ordinator

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

AVIH/H&S/AOC/2020-2l/II/04 **Date: 05-07-2021**

CIRCULAR

This is to inform all the I B. Tech ECE students that, the Department organizing a Value Added Course on **"READING SKILLS ".** Department Advisory Committee has been identified **Mrs.Adeebunissa Begum, Assistant Professor**. As a resource person for this course. This course is scheduled for 06 Days which will take from 12-07-2021 to 17-07-2021 in online mode. This course is organized by Department of Basic Science And Humanities.

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Head of the Department
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Copy to:

The principal, for kind information
IQAC
Notice Board
I.B. Tech ECE students
Dept. file

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ABOUT THE COURSE

Basic reading skills include the ability to identify and manipulate individual sounds in language; to identify printed letters and their associated sounds; to decode written language. Phonics is a set of rules that specify the relationship between letters in the spelling of words and the sounds of spoken language.

COURSE OBJECTIVES

- The process of Reading skills phonics, phonemic awareness vocabulary, reading comprehension and fluency.
- These five aspects work together to create the reading experience.
- As children learn to read they must develop skills in all five of these areas in order to become successful readers.

EXPECTED OUTCOMES

- Follow words from left to right, top to bottom and page to page.
- Name all the upper and lower case letters.
- Recognize rhyming words.
- Count, say, blend and break apart words that are spoken.
- Identify the front cover, back cover and title of a book.



ADD-ON COURSE ON

"READING SKILLS "

12th JULY TO 17th JULY,2021

DURATION OF THE COURSE 30HRS

Resource Person	Co-ordinator
Mrs.Adeebunissa Begum	Mr.M.Anthony
Assistant Professor	Assistant Professor
Department of H&S	Department of H&S

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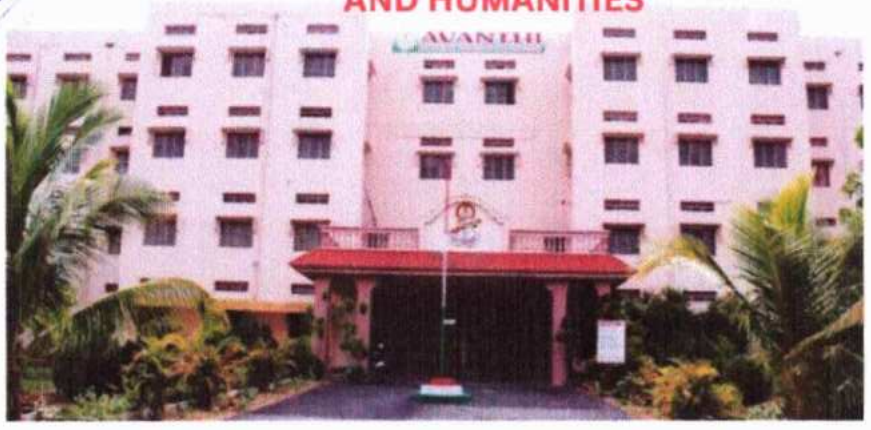
ORGANIZED BY :
DEPARTMENT OF BASIC SCIENCE AND HUMANITIES



Students are instructed to register the given below link:
https://docs.google.com/forms/d/e/1FAlp@L ledsqpyECs6gqSCGCE4 gJz3wbKtECF6ONOUD7J3hGN8CEmWLg/viewform

Google Meet Link: https://meet.google.com/vat-xvoh-kll-jewq

Class starts from 12-07- 2021 to 17-07-2021 10:00 AM TO 04:00 PM

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: READING SKILLS

VALUE ADDED COURSE SYLLABUS

B.TECH I YERA-II SEM ECE ACADEMIC YEAR: 2020-21

Course objectives:

- To process of Reading skills phonics, phonemic awareness vocabulary, reading comprehension and fluency.
- These five aspects work together to create the reading experience.
- As children learn to read they must develop skills in all five of these areas in order to become successful readers.

Course outcomes:

- Follow words from left to right top to bottom and page to page,
- Name all the Upper and lower case letters.
- Recognize rhyming words.
- Count say blend and break apart words that are spoken.
- Identity the front cover,back cover and title of a book.

SYLLABUS:

Reading Process: What strategies can be adopted for effective reading? Describe the five stages of Reading Process.

Reading Strategies: What is Reading strategy? Describe the five thinking Strategies of Good Readers.

Reading Comprehension: Importance Reading Comprehension? Crack Reading Comprehension passage task in examination by applying IEI Formula.

Cloze Test: What is Cloze Test? Flow chart Technique to crack reading Cloze Test Task in Examination.

Skimming: Purpose of Skimming in Reading a Text.

Scanning: Importance of Scanning in Reading and its Effect in Understanding a Text

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **READING SKILLS**

ACADEMIC YEAR: 2020-21 **Date: 05-07-2021**

B.TECH. I YERA-II SEM ECE **DAY WISE SCHEDULE SHEET**

S.I No	DAY	Topic	Timings	Duration
1	12-07-2021	**Reading Process:** What strategies can be adopted for effective reading? Describe the five stages of Reading Process.	10:00 am to 04:00 pm	5 Hours
2	13-07-2021	**Reading Strategies:** What is Reading strategy? Describe the five thinking Strategies of Good Readers	10:00 am to 04:00 pm	5 Hours
3	14-07-2021	Reading Comprehension? Crack Reading Comprehension passage task in examination by applying IEI Formula	10:00 am to 04:00 pm	5 Hours
4	15-07-2021	**Cloze Test**: What is Cloze Test? Flow chart Technique to crack reading Cloze Test Task in Examination.	10:00 am to 04:00 pm	5 Hours
5	16-07-2021	**Skimming**: Purpose of Skimming in Reading a Text	10:00 am to 04:00 pm	5 Hours
6	17-07-2021	**Scanning**: Importance of Scanning in Reading and its Effect in Understanding a Text	10:00 am to 04:00 pm	5 Hours
				TOTAL : 30 Hours

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **READING SKILLS**

I YEAR -II SEM ECE **Enrolled Students List** **Date: 12-07-2021 to 17-07-2021**

S.No	Roll Number	Name of The Student
1	20Q61A0429	Thati Gayathri
2	20Q61A0430	Vadlamudi Narendra Kumar
3	20Q61A0431	Yerra Mounika
4	20Q61A0432	Alluri Yeshwanthi
5	20Q61A0433	Boyapally Koushik
6	20Q61A0434	Chinthala Saikumar Reddy
7	20Q61A0435	Jagtap Shirish
8	20Q61A0436	Marri Shivanath Reddy
9	20Q61A0437	Medam Shiva Sai Reddy
10	20Q61A0438	Mohammad Imran
11	20Q61A0439	Mohini Saivamshi
12	20Q61A0440	Muddam Vi Nuthna
13	20Q61A0441	Muddam Vinay Kumar Reddy
14	20Q61A0442	Paidipelli Abhinav
15	20Q61A0443	Pannala Sravana Sandhya
16	20Q61A0444	Ponshetti Sathvika
17	20Q61A0445	Saketi Anusha
18	20Q61A0446	Sappati Anand Reddy
19	20Q61A0447	Shaik Nazeer
20	20Q61A0448	Syed Neha
21	20Q61A0449	Thirumala Sai Kumar Goud
22	20Q61A0450	Velpula Ramkumar
23	20Q61A0451	Vendru Susmitha
24	20Q61A0452	Sachu Uma Maheshwar Rao
25	20Q61A0453	Jogu Parsharamulu
26	20Q61A0454	Chouty Akash
27	20Q61A0455	Jammisetty Venu
28	20Q61A0456	Piske Navya

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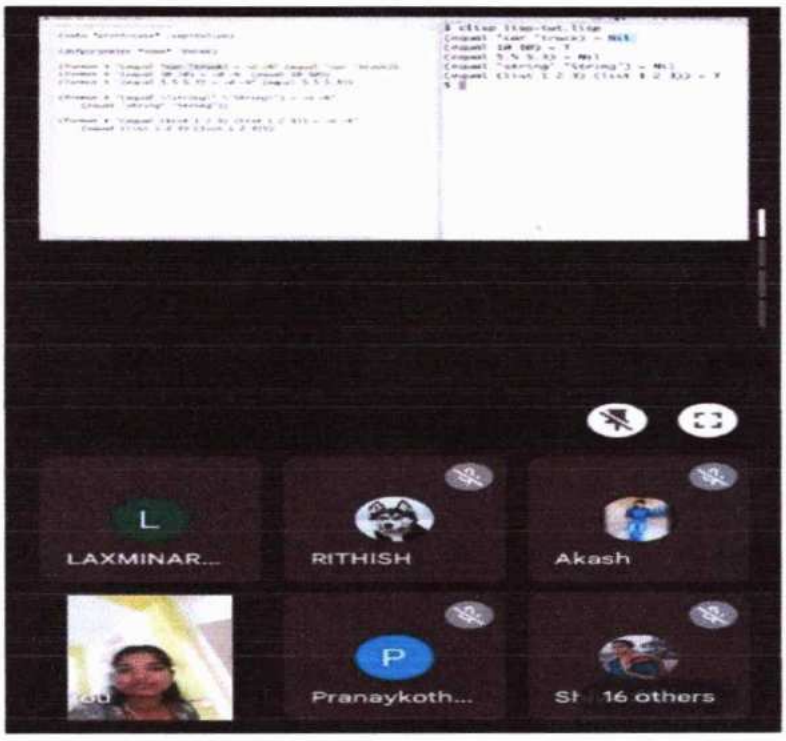

The students of I year B.Tech certificate program attending ""READING SKILLS " by Mrs.Adeebunissa Begum assistant professor.

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **READING SKILLS**

I YEAR -II SEM ECE **A.Y 2020-2021** **Date: 05-07-2021**

DAYWISE ATTANDANCE SHEET

S.No	Roll Number	Name of The Student	12.07.21	13.07.21	14.07.21	15.07.21	16.07.21	17.07.21
1	20Q61A0429	Thati Gayathri	P	P	P	P	P	P
2	20Q61A0430	Vadlamudi Narendra Kumar	A	A	A	A	A	A
3	20Q61A0431	Yerra Mounika	P	P	P	P	P	P
4	20Q61A0432	Alluri Yeshwanthi	P	P	P	P	P	P
5	20Q61A0433	Boyapally Koushik	P	P	P	P	P	P
6	20Q61A0434	Chinthala Saikumar Reddy	P	P	P	P	P	P
7	20Q61A0435	Jagtap Shirish	P	P	P	P	P	P
8	20Q61A0436	Marri Shivanath Reddy	A	P	P	P	P	P
9	20Q61A0437	Medam Shiva Sai Reddy	P	P	P	P	P	P
10	20Q61A0438	Mohammad Imran	P	P	P	P	P	P
11	20Q61A0439	Mohini Saivamshi	P	P	P	P	P	P
12	20Q61A0440	Muddam Vi Nuthna	P	P	P	P	P	P
13	20Q61A0441	Muddam Vinay Kumar Reddy	P	P	P	P	P	P
14	20Q61A0442	Paidipelli Abhinav	P	P	P	P	P	P
15	20Q61A0443	Pannala Sravana Sandhya	P	P	A	P	P	P
16	20Q61A0444	Ponshetti Sathvika	P	P	P	P	P	P
17	20Q61A0445	Saketi Anusha	P	P	P	P	P	P
18	20Q61A0446	Sappati Anand Reddy	P	P	P	P	P	P
19	20Q61A0447	Shaik Nazeer	P	P	P	P	P	P
20	20Q61A0448	Syed Neha	P	P	P	P	P	P
21	20Q61A0449	Thirumala Sai Kumar Goud	P	P	P	P	P	P
22	20Q61A0450	Velpula Ramkumar	P	P	P	P	P	P
23	20Q61A0451	Vendru Susmitha	P	P	P	P	P	P
24	20Q61A0452	Sachu Uma Maheshwar Rao	P	P	P	P	P	P
25	20Q61A0453	Jogu Parsharamulu	P	P	P	P	P	P
26	20Q61A0454	Chouty Akash	P	P	P	P	P	P
27	20Q61A0455	Jammisetty Venu	A	A	A	A	A	A
28	20Q61A0456	Piske Navya	P	P	P	P	P	P

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE NAME: **READING SKILLS**

I YEAR -II SEM ECE **A.Y 2020-21** **Date: 12-07-2021 to 17-07-2021**

S.No	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61A0429	Thati Gayathri	30	100
2	20Q61A0430	Vadlamudi Narendra Kumar	0	0
3	20Q61A0431	Yerra Mounika	30	100
4	20Q61A0432	Alluri Yeshwanthi	30	100
5	20Q61A0433	Boyapally Koushik	30	100
6	20Q61A0434	Chinthala Saikumar Reddy	30	100
7	20Q61A0435	Jagtap Shirish	30	100
8	20Q61A0436	Marri Shivanath Reddy	25	83.3
9	20Q61A0437	Medam Shiva Sai Reddy	30	100
10	20Q61A0438	Mohammad Imran	30	100
11	20Q61A0439	Mohini Saivamshi	30	100
12	20Q61A0440	Muddam Vi Nuthna	30	100
13	20Q61A0441	Muddam Vinay Kumar Reddy	30	100
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18	20Q61A0446	Sappati Anand Reddy	30	100
19	20Q61A0447	Shaik Nazeer	30	100
20	20Q61A0448	Syed Neha	30	100
21	20Q61A0449	Thirumala Sai Kumar Goud	30	100
22	20Q61A0450	Velpula Ramkumar	30	100
23	20Q61A0451	Vendru Susmitha	30	100
24	20Q61A0452	Sachu Uma Maheshwar Rao	30	100
25	20Q61A0453	Jogu Parsharamulu	30	100
26	20Q61A0454	Chouty Akash	30	100
27	20Q61A0455	Jammisetty Venu	0	0
28	20Q61A0456	Piske Navya	30	100

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PRINCIPAL

Head of the Department
Humanities & Sciences

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www.aietg.ac.in email: principal.avanthi@gmail.com

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Date: 20.07.2021

PROGRAM REPORT

Name of the value added course: Reading Skills
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mrs.Adeebunissa Begum,Assistant Professor
Name of the Coordinator: Mr.M.Anthony Assistant Professor
Number of the Participants: 26
Topics covered: The following topics covered in this program

- Basic Grammatical for Form class and Function words.
- Word Order and Sentence Pattern.
- Direct and Indirect Speech.
- Verb agreement in Sentences.
- Paragraph Editing and translate a passage.

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Avanthi Institute of Engineering & Technology
Gunthapally (V)

PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Md), R.R. Dist.

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Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapur Met (Mdl),
Ranga Reddy District.

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **T.GAYATHRI** Bearing roll number **20Q61A0429** from the department of **Basic Sciences and Humanities** completed the value added course on **"READING SKILLS"** During the year **2020-2021**.

Head of The Department

Head of the Department
Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),

Co-Ordinator

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Ranga Reddy Dist, Telangana.

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Department of Basic Sciences and Humanities

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **P.NAVYA** Bearing roll number **20Q61A0456** from the department of **Basic Sciences and Humanities** completed the value added course on **"READING SKILLS"** During the year **2020-2021**.

Head of The Department
Head of the Department
Humanities & Sciences
Avanthi Institute of Engineering & Technology
Gunthapally (VIII), Abdullapur Met (Mdl),
Ranga Reddy District.

Co-Ordinator
CO ORDINATOR
Avanthi Institute of Engineering & Technology
Gunthapally (V), Abdullapur Met (Mdl),
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

AVIH/MBA/AOC/CIR/2020-2I/ I/01 **Date: 20-10-2020**

CIRCULAR

This is to inform all the II Year students that, the Department organizing a Value Added Course on "**Business Statistics**". will be held from 26-10-2020 to 31-10-2020. All students are invited to take part in this course. The participating students will be honored with certificates of participation. During the course you will be encouraged to interact with the speaker and the other participants through the case study discussions. This course is scheduled in online mode through Google Meet.

The Value Added Course is in Collaboration with Mr.A.Srikanth with Asset Integrated Info System.

HOD

Head of the Department
MBA
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapurmet (Mdl)
Ranga Reddy District.

Copy to:

The principal, for kind information
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Notice Board
II Year .MBA students
Dept. file

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INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE,CSE&EEE UG Programmes are Accredited by NBA
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ACCREDITED WITH GRADE B++ NAAC

ABOUT THE COURSE

Business statistics is the application of statistics to analyze business data. Companies use business stats for forecasting, testing correlations, and describing data. A career in business statistics can be a good choice for people with strong math skills.

COURSE OBJECTIVES

- **Distinguish among different scales of measurement and their implications for solving problems**
- **Create tables and graphs to format, organize, and interpret data; summarize and present data**
- **Calculate and analyze numerical descriptive measures for a given data set**
- **Apply concepts of sample space and probability to solving problems**
- **Calculate measures of central tendency and variation; use statistical software to analyze results**
- **Identify methods of obtaining data and identify the advantages and disadvantages of each as applied to solving problems 8. Calculate the mean and variance of a discrete distribution**
- **Distinguish between sample and population distributions, analyze the role played by the central limit theorem, and apply the central limit theorem to calculate standard error and determine the sampling distributions**

EXPECTED OUTCOMES

After completion of the course, learners would be able to:

- **To summarize and analyze statistical data to solve practical business related problems.**
- **To interpret the relevance of statistical findings for business problem solving and decision making.**
- **To apply technology to statistical analysis and problem solving.**



ADD-ON COURSE ON

"BUSINESS STATISTICS"

26th OCT TO 31st OCT,2020

DURATION OF THE COURSE 30 HRS

ORGANIZED BY :

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Resource Person
Mr.A.Srikanth
Subject Expert
Asset Integrated Info System

Co-ordinator
Mr.A.Naresh
Assistant Professor
Department of MBA

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSdTpl_cdMhGnKMedNm-ZsRb-58Hfrqm%20RIxynZDWw5Ajw/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-htklmt-klm

Class starts from 26.10.2020 to 31.10.2020 at 10AM - 4 PM.



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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS STATISTICS**

VALUE ADDED COURSE SYLLABUS

Course Objectives:

- Distinguish among different scales of measurement and their implications for solving problems
- Create tables and graphs to format, organize, and interpret data; summarize and present data
- Calculate and analyze numerical descriptive measures for a given data set
- Apply concepts of sample space and probability to solving problems
- Calculate measures of central tendency and variation; use statistical software to analyze results
- Identify methods of obtaining data and identify the advantages and disadvantages of each as applied to solving problems 8. Calculate the mean and variance of a discrete distribution
- Distinguish between sample and population distributions, analyze the role played by the central limit theorem, and apply the central limit theorem to calculate standard error and determine the sampling distributions

Course outcomes:

After completion of the course, learners would be able to:

- To summarize and analyze statistical data to solve practical business related problems.
- To interpret the relevance of statistical findings for business problem solving and decision making.
- To apply technology to statistical analysis and problem solving.

MODULE1: Statistical Methods: Definition and scope of Statistics, concepts of statistical population and sample. Data: quantitative and qualitative, attributes, variables, scales of measurement nominal, ordinal, interval and ratio. Presentation: tabular and graphical, including histogram and ogives, consistency and independence of data with special reference to attributes.

MODULE 2 Significance of Statistics in Management domain, Difference between Population and Sample studies, Non-Probability sampling methods, Probability sampling methods, Sampling errors, Non-sampling errors and their remedies, Selection of suitable sample size.

MODULE 3: Measures of central tendency and dispersion: Mean, median, Mode, Harmonic mean, geometric mean, Merits, limitations & Suitability of averages, Absolute & Relative measures of dispersion, range, Quartile deviations, mean Deviation, Standard deviation..

MODULE 4: Index Numbers: Definition, construction of index numbers and problems thereof for weighted and unweighted Fisher's. Chain index numbers, conversion of fixed based to chain based index numbers and vice-versa. Consumer price index numbers.

TEXT BOOKS:

1. Business Statistics: Text and Problems - With Introduction to Business Analytics by N D Vohra - 2nd Edition, Tata Mc Graw Hill Publishers – 2021
2. Statistical Methods by S.P. Gupta - 43rd Edition, Sultan Chand Publishers – 2014
3. Business Statistics by Digambar Patri, D.N. Patri - 3rd Edition, Kalyani Publishers –2014
4. Goon A.M., Gupta M.K. and Dasgupta B. (2002): Fundamentals of Statistics, Vol. I & II, 8th Edn. The World Press, Kolkata

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS STATISTICS**

ACADEMIC YEAR: 2020-21 **Date: 20-10-2020**

II YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
26-10-2020	Statistical Methods: Definition and scope of Statistics, concepts of statistical population and sample. Data: quantitative and qualitative, attributes, variables, scales of measurement nominal.	10:00 am to 04:00 pm	5 hours
27-10-2020	Non-Probability sampling methods, Probability sampling methods.	10:00 am to 04:00 pm	5 hours
28-10-2020	Measures of central tendency and dispersion: Mean, median, Mode, Harmonic mean, geometric mean, Merits, limitations & Suitability of averages.	10:00 am to 04:00 pm	5 hours
29-10-2020	Index Numbers: Definition, construction of index numbers and problems thereof for weighted and un weighted Fisher's	10:00 am to 04:00 pm	5 hours
30-10-2020	Chain index numbers, conversion of fixed based to chain based index numbers and vice-versa. Consumer price index numbers	10:00 am to 04:00 pm	5 hours
31-10-2020	Conversion of fixed based to chain based index numbers and vice-versa. Consumer price index numbers.	10:00 am to 04:00 pm	5 hours
			TOTAL– 30 Hours

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS STATISTICS**

II YEAR I–SEM ENROLLED STUDENTS LIST Date: 26-10-2020 to 31-10-2020

S.NO	Roll Number	Name of The Student
1	19Q61E0001	Adamala Prathyusha
2	19Q61E0002	Ankamgari Sai Kiran Goud
3	19Q61E0003	Madaka Raju
4	19Q61E0004	Bathula Sulochana
5	19Q61E0005	Buyya Akhil Goud
6	19Q61E0006	Chandagalla Rajesh
7	19Q61E0007	Choudoju Mounika
8	19Q61E0008	D Navya
9	19Q61E0009	Dasari Sainath
10	19Q61E0010	Devarakonda Sravani
11	19Q61E0011	Enthala Lahari
12	19Q61E0012	Etikala Ranjith
13	19Q61E0013	G Prashanthi
14	19Q61E0014	Golusula Ramesh
15	19Q61E0015	Gundemoni Srikanth
16	19Q61E0016	Gunti Mahesh Chary
17	19Q61E0017	Gajjela Srilatha
18	19Q61E0018	Kallu Radhika
19	19Q61E0019	Kasoju Padmini
20	19Q61E0020	Kodagandla Ramesh
21	19Q61E0021	Konuganti Mounika
22	19Q61E0022	Koora Saikumar
23	19Q61E0023	Lingampally Shiva
24	19Q61E0024	Mogulla Prashanth
25	19Q61E0025	Mohammed Nasreen
26	19Q61E0026	Nakka Anil
27	19Q61E0027	Narabathoju Shivakumar
28	19Q61E0028	P Swathireddy
29	19Q61E0029	Palewar Tejaswini
30	19Q61E0030	Pasunuri Rushikesh
31	19Q61E0031	Piska Karun

32	19Q61E0032	Poloju Vikas
33	19Q61E0033	Poondra Anjali
34	19Q61E0034	Racherla Sowmya
35	19Q61E0035	Ranga Shivani
36	19Q61E0036	Reetesh Kumar Mehta
37	19Q61E0037	S Shekar
38	19Q61E0038	Salendra Anvesh
39	19Q61E0039	Vadlakonda Supritha
40	19Q61E0040	Vemula Ganesh
41	19Q61E0041	Ramesh
42	19Q61E0042	Yellaniki Ramya
43	19Q61E0043	Barukunti Pranathi
44	19Q61E0044	Kandhi Mamatha
45	19Q61E0045	Yarramati Harish
46	19Q61E0046	Medipally Pooja
47	19Q61E0047	Rakashi Manish Reddy
48	19Q61E0048	Surapally Sai Kumar
49	19Q61E0049	Pappula Narayana Reddy
50	19Q61E0050	D Laxmanudu
51	19Q61E0051	Madhurantakam Vishal
52	19Q61E0052	Pulla Swetha
53	19Q61E0053	Mothukuri Nageshwarrao
54	19Q61E0054	Balla Bhanu

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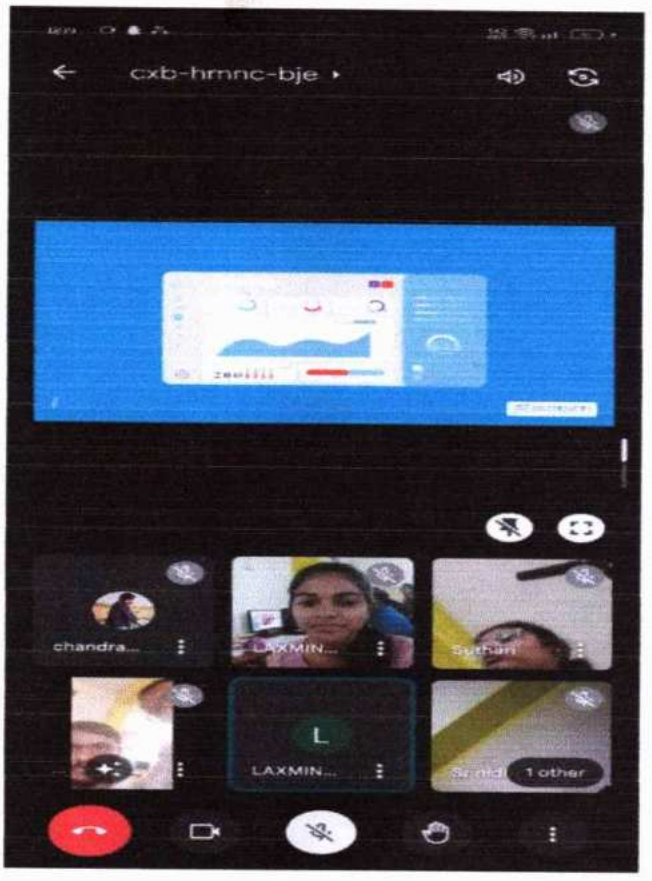
Gunthapally (Vill), Abdullapurmet (M
Ranga Reddy District.



The students of II YEAR MBA certificate program attending " Business Statistics"" by Mr.A.Srikanth, assistant professor.

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HOD MBA
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS STATISTICS**

II YEAR I–SEM **A.Y 2020-2021** **Date: 20-10-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	26.10.20	27.10.20	28.10.20	29.10.21	30.10.20	31.10.20
1	19Q61E0001	Adamala Prathyusha	P	A	P	P	P	P
2	19Q61E0002	Ankamgari Sai Kiran Goud	P	P	P	P	P	P
3	19Q61E0003	Madaka Raju	P	P	P	P	P	P
4	19Q61E0004	Bathula Sulochana	P	P	P	P	P	P
5	19Q61E0005	Buyya Akhil Goud	A	A	A	A	A	A
6	19Q61E0006	Chandagalla Rajesh	P	P	P	P	P	P
7	19Q61E0007	Choudoju Mounika	P	P	P	P	P	P
8	19Q61E0008	D Navya	P	P	P	P	P	P
9	19Q61E0009	Dasari Sainath	P	P	P	P	P	P
10	19Q61E0010	Devarakonda Sravani	A	P	P	P	P	P
11	19Q61E0011	Enthala Lahari	P	P	P	P	P	P
12	19Q61E0012	Etikala Ranjith	P	P	P	P	P	P
13	19Q61E0013	G Prashanthi	P	P	P	P	P	P
14	19Q61E0014	Golusula Ramesh	P	P	P	P	P	P
15	19Q61E0015	Gundemoni Srikanth	P	P	A	P	P	P
16	19Q61E0016	Gunti Mahesh Chary	P	P	P	P	P	P
17	19Q61E0017	Gajjela Srilatha	P	P	P	P	P	P
18	19Q61E0018	Kallu Radhika	P	P	P	P	P	P
19	19Q61E0019	Kasoju Padmini	P	P	P	P	P	P
20	19Q61E0020	Kodagandla Ramesh	A	P	P	P	P	P
21	19Q61E0021	Konuganti Mounika	P	P	P	P	P	P
22	19Q61E0022	Koora Saikumar	P	P	P	P	P	P
23	19Q61E0023	Lingampally Shiva	P	P	P	P	P	P
24	19Q61E0024	Mogulla Prashanth	P	P	P	P	P	P
25	19Q61E0025	Mohammed Nasreen	P	P	P	P	P	P
26	19Q61E0026	Nakka Anil	P	P	P	P	P	P
27	19Q61E0027	Narabathoju Shivakumar	P	P	P	P	P	P
28	19Q61E0028	P Swathireddy	P	P	P	P	P	P
29	19Q61E0029	Palewar Tejaswini	P	P	P	P	P	P
30	19Q61E0030	Pasunuri Rushikesh	A	A	A	A	A	A

31	19Q61E0031	Piska Karun	P	P	P	P	P	P
32	19Q61E0032	Poloju Vikas	P	P	P	P	P	P
33	19Q61E0033	Poondra Anjali	P	P	P	P	P	P
34	19Q61E0034	Racherla Sowmya	P	A	P	P	P	P
35	19Q61E0035	Ranga Shivani	P	P	P	P	P	P
36	19Q61E0036	Reetesh Kumar Mehta	P	P	P	P	P	P
37	19Q61E0037	S Shekar	P	P	P	P	P	P
38	19Q61E0038	Salendra Anvesh	P	P	P	P	P	P
39	19Q61E0039	Vadlakonda Supritha	P	P	P	P	P	P
40	19Q61E0040	Vemula Ganesh	P	P	A	P	P	P
41	19Q61E0041	Ramesh	P	P	P	P	P	P
42	19Q61E0042	Yellaniki Ramya	P	P	P	P	P	P
43	19Q61E0043	Barukunti Pranathi	P	P	P	P	P	P
44	19Q61E0044	Kandhi Mamatha	A	P	P	P	P	P
45	19Q61E0045	Yarramati Harish	P	P	P	P	P	P
46	19Q61E0046	Medipally Pooja	P	P	P	P	P	P
47	19Q61E0047	Rakashi Manish Reddy	P	P	P	P	P	P
48	19Q61E0048	Surapally Sai Kumar	P	P	P	P	P	P
49	19Q61E0049	Pappula Narayana Reddy	P	P	P	P	P	P
50	19Q61E0050	D Laxmanudu	P	P	P	P	P	P
51	19Q61E0051	Madhurantakam Vishal	P	P	P	P	P	P
52	19Q61E0052	Pulla Swetha	P	P	P	P	P	P
53	19Q61E0053	Mothukuri Nageshwarrao	P	P	P	P	P	P
54	19Q61E0054	Balla Bhanu	P	P	P	P	P	P

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS STATISTICS**

II YEAR –I SEM **A.Y 2020-21** **Date: 26-10-2020 to 31-10-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61E0001	Adamala Prathyusha	25	83.3
2	19Q61E0002	Ankamgari Sai Kiran Goud	30	100
3	19Q61E0003	Madaka Raju	30	100
4	19Q61E0004	Bathula Sulochana	30	100
5	19Q61E0005	Buyya Akhil Goud	0	0
6	19Q61E0006	Chandagalla Rajesh	30	100
7	19Q61E0007	Choudoju Mounika	30	100
8	19Q61E0008	D Navya	30	100
9	19Q61E0009	Dasari Sainath	30	100
10	19Q61E0010	Devarakonda Sravani	25	83.3
11	19Q61E0011	Enthala Lahari	30	100
12	19Q61E0012	Etikala Ranjith	30	100
13	19Q61E0013	G Prashanthi	30	100
14	19Q61E0014	Golusula Ramesh	30	100
15	19Q61E0015	Gundemoni Srikanth	25	83.3
16	19Q61E0016	Gunti Mahesh Chary	30	100
17	19Q61E0017	Gajjela Srilatha	30	100
18	19Q61E0018	Kallu Radhika	30	100
19	19Q61E0019	Kasoju Padmini	30	100
20	19Q61E0020	Kodagandla Ramesh	25	83.3
21	19Q61E0021	Konuganti Mounika	30	100
22	19Q61E0022	Koora Saikumar	30	100
23	19Q61E0023	Lingampally Shiva	30	100
24	19Q61E0024	Mogulla Prashanth	30	100
25	19Q61E0025	Mohammed Nasreen	30	100
26	19Q61E0026	Nakka Anil	30	100
27	19Q61E0027	Narabathoju Shivakumar	30	100
28	19Q61E0028	P Swathireddy	30	100
29	19Q61E0029	Palewar Tejaswini	30	100
30	19Q61E0030	Pasunuri Rushikesh	0	0
31	19Q61E0031	Piska Karun	30	100
32	19Q61E0032	Poloju Vikas	30	100

33	19Q61E0033	Poondra Anjali	30	100
34	19Q61E0034	Racherla Sowmya	25	83.3
35	19Q61E0035	Ranga Shivani	30	100
36	19Q61E0036	Reetesh Kumar Mehta	30	100
37	19Q61E0037	S Shekar	30	100
38	19Q61E0038	Salendra Anvesh	30	100
39	19Q61E0039	Vadlakonda Supritha	30	100
40	19Q61E0040	Vemula Ganesh	25	83.3
41	19Q61E0041	Ramesh	30	100
42	19Q61E0042	Yellaniki Ramya	30	100
43	19Q61E0043	Barukunti Pranathi	30	100
44	19Q61E0044	Kandhi Mamatha	25	83.3
45	19Q61E0045	Yarramati Harish	30	100
46	19Q61E0046	Medipally Pooja	30	100
47	19Q61E0047	Rakashi Manish Reddy	30	100
48	19Q61E0048	Surapally Sai Kumar	30	100
49	19Q61E0049	Pappula Narayana Reddy	30	100
50	19Q61E0050	D Laxmanudu	30	100
51	19Q61E0051	Madhurantakam Vishal	30	100
52	19Q61E0052	Pulla Swetha	30	100
53	19Q61E0053	Mothukuri Nageshwarrao	30	100
54	19Q61E0054	Balla Bhanu	30	100

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Date: 05-11-2020

PROGRAM REPORT

Name of the value added course: Business Statistics
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.A.Srikanth, Subject Expert, Asset Integrated Info System.
Name of the Coordinator: Mr.A.Naresh, Assistant Professor
Number of the Participants: 52
Topics covered: The following topics covered in this program

- Statistical Methods: Definition and scope of Statistics, concepts of statistical population and sample. Data.
- Significance of Statistics in Management domain, Difference between Population and Sample studies.
- Measures of central tendency and dispersion.
- Index Numbers: Definition.

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OF COURSE COMPLETION

Mr./Ms. **A.PRATHYUSHA** Bearing Roll.No **19Q61E0001**,Department of **MASTER OF BUSINESS ADMINISTRATION** from **Avanthi Institute of Engineering & Technology,**Gunthapally,Abdullapurmettu,Rangareddy has participated in "**BUSINESS STATISTICS**" Organized by '**ASSET INTIGRATED INFO SYSTEMS** ' During dates **26/10/2020** to **31/10/2020**.

V. Ramasubramanyam

(Authorized Signatory)
Name: V. Ramasubramanyam
Designation: Proprietor
Place: Secunderabad
Date:
Stamp:

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ASSET INTIGRATED INFO SYSTEMS
#6-6-124/2, Janardhan Nilayam, Chitrala House, Kavadiguda, Telangana - 500 080. Secunderabad.
T: 040-27537184 / 27537185, M : +91 98490 33736, Email : vrs@assettally.com
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Mr./Ms. **P.TEJASWINI** Bearing Roll.No **19Q61E0029**,Department of **MASTER OF BUSINESS ADMINISTRATION** from **Avanthi Institute of Engineering & Technology,**Gunthapally,Abdullapurmettu,Rangareddy has participated in "**BUSINESS STATISTICS**" Organized by '**ASSET INTIGRATED INFO SYSTEMS** ' During dates **26/10/2020** to **31/10/2020**.

V. Ramasubramanyam

(Authorized Signatory)
Name: V. Ramasubramanyam
Designation: Proprietor
Place: Secunderabad
Date:
Stamp:

Head of the Department
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

AVIH/MBA/AOC/CIR/2020-2l/I/02 **Dates: 09-11-2020**

CIRCULAR

This is to inform all the II Year MBA students that, the Department organizing an Value Added Course on **"Personal Administration &Time Management** ". Department Advisory Committee has been identified **Mrs.B.Nayeema Assistant Professor** in MBA as a resource person for this course. This course is scheduled for 06 days which will take place from 16-11-2020 to 21-11-2020 in online mode through Google Meet.

HOD

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IQAC
Notice Board
II Year .MBA students
Dept. file

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ECE,CSE&EEE UG Programmes are Accredited by NBA
Approved by AICTE,Recgd by Govt.of TS and Affiliated to JNTU(H)

ACCREDITED WITH GRADE B++ NAAC

ABOUT THE COURSE

Personnel administration is that part of administration which is concerned with people at work and with their relationships within an organisation. It refers to the entire spectrum of an organisation's interaction with its human resources from recruitment activity to retirement process.Time management is the process of planning and controlling how much time to spend on specific activities. Good time management enables an individual to complete more in a shorter period of time, lowers stress, and leads to career success.

COURSE OBJECTIVES

- Prioritize, Plan and arrange daily activities in a productive way
- Learn techniques to overcome procrastination
- Organize your work station and workflow to make better use of time
- Efficiently Delegate tasks
- Coordinate business meetings more effectively
- Identify the 'time stealers' and handle them appropriately
- Learn the scheduling, planning and prioritizing skills.

EXPECTED OUTCOMES

After completion of the course, learners would be able to:

- The benefits of managing time are simple.
- Good time management allows you to accomplish bigger results in a shorter period
- Which leads to more time freedom, helps you focus better, allows you
- To be more productive, lowers your stress and gives you more time
- To spend with the people that matter most.



ADD-ON COURSE ON

"PERSONAL ADMINISTRATION AND TIME MANAGEMENT"

16th NOV TO 21st NOV,2020

DURATION OF THE COURSE 30 HRS

ORGANIZED BY :

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Resource Person
Mrs.B.Nayeema
Assistant Professor
Department of MBA

Co-ordinator
Mrs.G.Yesumani
Assistant Professor
Department of MBA

PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSdTpl_cdMhGnYQVONjedNm-ZsRb-58Hfrqm%20RIxynZDWw5Ajw/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-htt-klm

Class starts from 16.11.2020 to 21.11.2020 at 10AM - 4 PM.



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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PERSONAL ADMINISTRATION &TIME MANAGEMENT**

VALUE ADDED COURSE SYLLABUS

II YEAR-II SEM **ACADEMIC YEAR: 2020-21**

Course objectives:

- Prioritize, Plan and arrange daily activities in a productive way
- Learn techniques to overcome procrastination
- Organize your work station and workflow to make better use of time
- Efficiently Delegate tasks
- Coordinate business meetings more effectively
- Identify the 'time stealers' and handle them appropriately
- Learn the scheduling, planning and prioritizing skills.

Course outcomes: After completion of the course, learners would be able to:

- The benefits of managing time are simple.
- Good time management allows you to accomplish bigger results in a shorter period
- Which leads to more time freedom, helps you focus better, allows you
- To be more productive, lowers your stress and gives you more time
- To spend with the people that matter most.

MODULE1: Foundational Principles of Time Management A systematic approach to Priority Management Time and the appropriate Use of Time Stumbling blocks to time-management Profiling your time Steps of Time Management Keys for managing time effectively.

MODULE 2:Assessing your present time utilization realities Identifying your biggest 'time stealer' Dealing with typical Time Wasters Strategizing plans to resolve time wasters Disciplines of Assertiveness towards time wasters Managing and distributing your energy Taking time to think and plan.

MODULE 3: Planning and defining your workload Planning Tools to Evaluate and Examine Plans Fostering daily and weekly plans Implementing planning in your lifeUse of technology in planning Paper planners vs. electronic planners Planning time for yourself and others Balancing out your work and individual life

MODULE 4: Stress Management and Time Management Optimal utilization of the time available Preventing overloads and burnouts Damaging effects of stress Ways to say 'NO' assertively The trap of over-commitment Identifying inappropriate pressures Developing win-win solutions Importance of taking breaks.

MODULE 5: Delegation: Introduction Knowing What to Delegate Delegating tasks Art of effective delegation the best person for the right task Saving time and energy through delegation Avoiding double and repetitive work Pitfalls of Delegation.

TEXT BOOKS:

1. Personnel Administration and Recruitment: Technical Reference by P.K. AGRAWAL
2. Time Management by Michael-Afolayan-Afolayan.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PERSONAL ADMINISTRATION &TIME MANAGEMENT**

ACADEMIC YEAR: 2020-21 **Date: 09-11-2020**

II YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
16-11-2020	Foundational Principles of Time Management A systematic approach to Priority	10:00 am to 04:00 Pm	5 hours
17-11-2020	time utilization realities Identifying your biggest 'time stealer' Dealing with typical Time Wasters Strategizing plans to resolve time wasters	10:00 am to 04:00 Pm	5 hours
18-11-2020	Planning and defining your workload Planning Tools to Evaluate and Examine Plans Fostering daily and weekly plans	10:00 am to 04:00 Pm	5 hours
19-11-2020	Stress Management and Time Management Optimal utilization of the time available Preventing overloads and burnouts Damaging effects of stress	10:00 am to 04:00 Pm	5 hours
20-11-2020	Introduction Knowing What to Delegate Delegating tasks Art of effective delegation the best person for the right task Saving time	10:00 am to 04:00 Pm	5 hours
21-11-2020	and energy through delegation Avoiding double and repetitive work Pitfalls of Delegation	10:00 am to 04:00 Pm	5 hours
		TOTAL : 30 Hours	

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PERSONAL ADMINISTRATION &TIME MANAGEMENT**

II YEAR I–SEM ENROLLED STUDENTS LIST Date: 16-11-2020 to 21-11-2020

S.NO	Roll Number	Name of The Student
1	19Q61E0055	Pushadapu Siva Sankar
2	19Q61E0061	Yellavula Sandeep Kumar
3	19Q61E0062	Bodise Shireesha
4	19Q61E0063	Bodise Soni
5	19Q61E0064	D Ramudu
6	19Q61E0065	Dasari Anusha
7	19Q61E0066	Gudepu Nikhil
8	19Q61E0067	Neelam Neelima
9	19Q61E0068	Velpula Madhu
10	19Q61E0069	Rapolu Sushma
11	19Q61E0071	Vyasabhattu Pavanraj
12	19Q61E0072	Kandikanti Mounika
13	19Q61E0073	Mitai Sandhya
14	19Q61E0074	Katta Naresh
15	19Q61E0075	Ailapuram Ramu
16	19Q61E0076	Banothu Yakanna
17	19Q61E0077	Bantu Paandu
18	19Q61E0078	Bore Rakesh
19	19Q61E0079	Dagam Vamshi Kumar
20	19Q61E0080	Dasireddy Nikhil
21	19Q61E0081	Dhanthalapelli Madhu
22	19Q61E0082	Gokulakonda Vidyasagar
23	19Q61E0083	Gollapalli Manoj Kumar
24	19Q61E0090	Karne Mahesh
25	19Q61E0091	Kethavarapu Madhan
26	19Q61E0092	M Parusharamulu
27	19Q61E0093	Merugumalla Vamshikiran
28	19Q61E0094	Mittapelli Saikiran
29	19Q61E0095	Mudavath Shiva Kumar
30	19Q61E0096	Nandhagiri Manoj
31	19Q61E0097	Nandru Prashanth
32	19Q61E0098	Nulka Vijay Kumar

33	19Q61E00A2	Pudari Rajinish
34	19Q61E00A3	Puli Pradeep
35	19Q61E00A4	Shaik Fahad
36	19Q61E00A5	Shaik Zubair
37	19Q61E00A6	Shanam Ajay Kumar
38	19Q61E00B4	Akkinepally Ramana Rao
39	19Q61E00B5	Banda Anjali
40	19Q61E00B6	Ganta Naveena
41	19Q61E00B7	Vcnaganti Vinay Kumar
42	19Q61E00B8	Kumbham Karthik
43	19Q61E00B9	A Pranitha
44	19Q61E00C0	Adapa Sai Adithya
45	19Q61E00C1	Arepalli Kiran Kumar Reddy
46	19Q61E00C2	Atte Shekhar
47	19Q61E00C3	B Ramya
48	19Q61E00C8	Darapurreddy Sai Krishna
49	19Q61E00C9	Dasari Navya
50	19Q61E00D0	Dharavath Navya
51	19Q61E00D1	Enaganti Pradeep
52	19Q61E00D2	Gangireddy Karunakar Reddy
53	19Q61E00D3	Gopidi Naveen
54	19Q61E00D4	Gurija Chandrashekar

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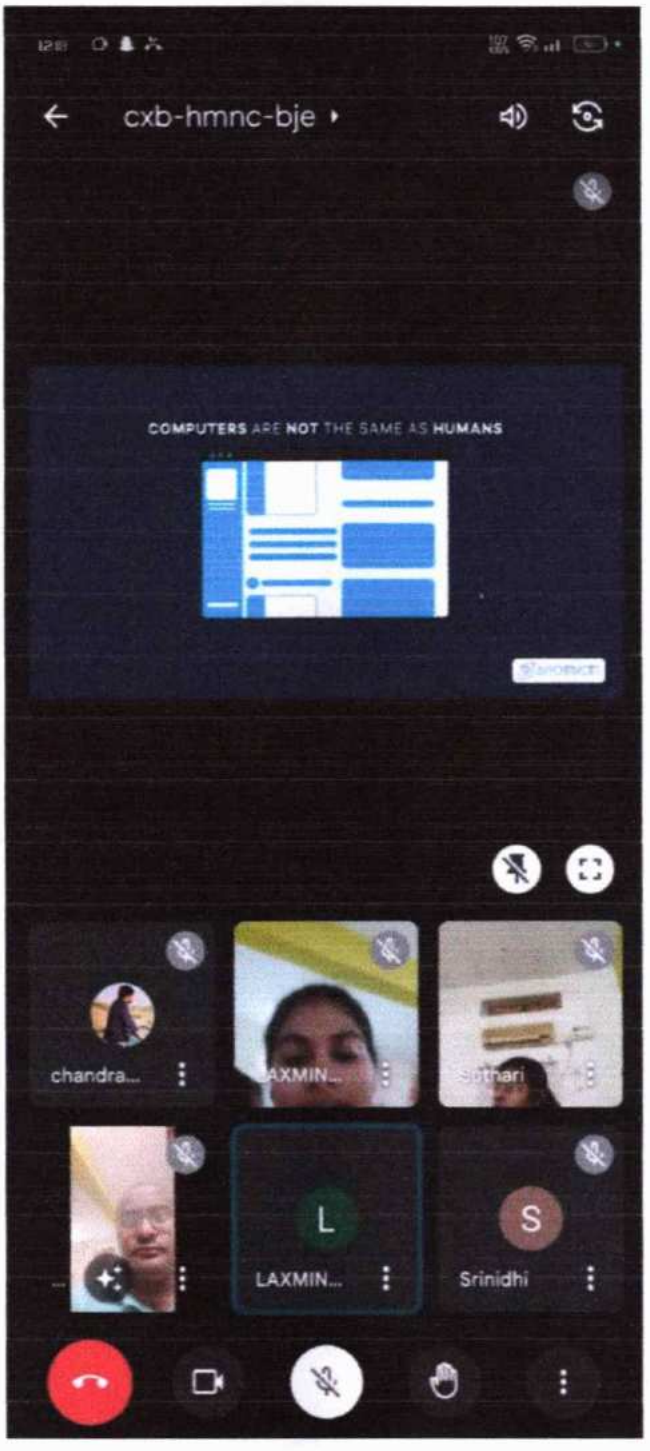

The students of II year MBA certificate program attending "Personal Administration &Time Management" by Mrs.B.Nayeema assistant professor.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PERSONAL ADMINISTRATION &TIME MANAGEMENT**

II YEAR I–SEM **A.Y 2020-2021** **Date: 09-11-2020**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	16.11.20	17.11.20	18.11.20	19.11.20	20.11.20	21.11.20
1	19Q61E0055	Pushadapu Siva Sankar	P	P	P	P	P	P
2	19Q61E0061	Yellavula Sandeep Kumar	A	A	A	A	A	A
3	19Q61E0062	Bodise Shireesha	P	P	P	P	P	P
4	19Q61E0063	Bodise Soni	A	P	P	P	P	P
5	19Q61E0064	D Ramudu	P	P	P	P	P	P
6	19Q61E0065	Dasari Anusha	P	P	P	P	P	P
7	19Q61E0066	Gudepu Nikhil	P	A	P	P	P	P
8	19Q61E0067	Neelam Neelima	P	P	P	P	P	P
9	19Q61E0068	Velpula Madhu	P	P	P	P	P	P
10	19Q61E0069	Rapolu Sushma	P	P	P	P	P	P
11	19Q61E0071	Vyasabhattu Pavanraj	P	P	P	P	P	P
12	19Q61E0072	Kandikanti Mounika	A	P	P	P	P	P
13	19Q61E0073	Mitai Sandhya	P	P	P	P	P	P
14	19Q61E0074	Katta Naresh	P	P	P	P	P	P
15	19Q61E0075	Ailapuram Ramu	P	P	P	P	P	P
16	19Q61E0076	Banothu Yakanna	P	P	P	P	P	P
17	19Q61E0077	Bantu Paandu	P	P	P	P	P	P
18	19Q61E0078	Bore Rakesh	A	A	A	A	A	A
19	19Q61E0079	Dagam Vamshi Kumar	P	P	P	P	P	P
20	19Q61E0080	Dasireddy Nikhil	P	P	P	P	P	P
21	19Q61E0081	Dhanthalapelli Madhu	P	P	P	P	P	P
22	19Q61E0082	Gokulakonda Vidyasagar	P	P	P	P	P	P
23	19Q61E0083	Gollapalli Manoj Kumar	P	P	P	P	P	P
24	19Q61E0090	Karne Mahesh	P	P	P	P	P	P
25	19Q61E0091	Kethavarapu Madhan	P	P	P	P	P	P
26	19Q61E0092	M Parusharamulu	A	A	A	A	A	A
27	19Q61E0093	Merugumalla Vamshikiran	P	P	P	P	P	P
28	19Q61E0094	Mittapelli Saikiran	P	P	P	P	P	P
29	19Q61E0095	Mudavath Shiva Kumar	P	P	P	P	P	P
30	19Q61E0096	Nandhagiri Manoj	P	P	P	P	P	P
31	19Q61E0097	Nandru Prashanth	P	P	P	P	P	P

32	19Q61E0098	Nulka Vijay Kumar	A	A	A	A	A	A
33	19Q61E00A2	Pudari Rajinish	P	P	P	P	P	P
34	19Q61E00A3	Puli Pradeep	P	P	P	P	P	P
35	19Q61E00A4	Shaik Fahad	P	P	P	P	P	P
36	19Q61E00A5	Shaik Zubair	P	P	P	P	P	P
37	19Q61E00A6	Shanam Ajay Kumar	P	P	P	P	P	P
38	19Q61E00B4	Akkinepally Ramana Rao	P	P	P	P	P	P
39	19Q61E00B5	Banda Anjali	P	P	P	P	P	P
40	19Q61E00B6	Ganta Naveena	P	P	P	P	P	P
41	19Q61E00B7	Venaganti Vinay Kumar	P	P	P	P	P	P
42	19Q61E00B8	Kumbham Karthik	P	P	P	P	P	P
43	19Q61E00B9	A Pranitha	P	P	P	P	P	P
44	19Q61E00C0	Adapa Sai Adithya	P	P	P	P	P	P
45	19Q61E00C1	Arepalli Kiran Kumar Reddy	P	P	A	P	P	P
46	19Q61E00C2	Atte Shekhar	P	P	P	P	P	P
47	19Q61E00C3	B Ramya	P	P	P	P	P	P
48	19Q61E00C8	Darapurreddy Sai Krishna	P	P	P	P	P	P
49	19Q61E00C9	Dasari Navya	A	P	P	P	P	P
50	19Q61E00D0	Dharavath Navya	P	P	P	P	P	P
51	19Q61E00D1	Enaganti Pradeep	P	P	P	P	P	P
52	19Q61E00D2	Gangireddy Karunakar Reddy	P	P	P	P	P	P
53	19Q61E00D3	Gopidi Naveen	P	P	P	P	P	P
54	19Q61E00D4	Gurija Chandrashekar	P	P	P	P	P	P

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PERSONAL ADMINISTRATION &TIME MANAGEMENT**

II YEAR I–SEM **A.Y 2020-21** **Date: 16-11-2020 to 21-11-2020**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	19Q61E0055	Pushadapu Siva Sankar	30	100
2	19Q61E0061	Yellavula Sandeep Kumar	0	0
3	19Q61E0062	Bodise Shireesha	30	100
4	19Q61E0063	Bodise Soni	25	83.3
5	19Q61E0064	D Ramudu	30	100
6	19Q61E0065	Dasari Anusha	30	100
7	19Q61E0066	Gudepu Nikhil	25	83.3
8	19Q61E0067	Neelam Neelima	30	100
9	19Q61E0068	Velpula Madhu	30	100
10	19Q61E0069	Rapolu Sushma	30	100
11	19Q61E0071	Vyasabhattu Pavanraj	30	100
12	19Q61E0072	Kandikanti Mounika	25	83.3
13	19Q61E0073	Mitai Sandhya	30	100
14	19Q61E0074	Katta Naresh	30	100
15	19Q61E0075	Ailapuram Ramu	30	100
16	19Q61E0076	Banothu Yakanna	30	100
17	19Q61E0077	Bantu Paandu	30	100
18	19Q61E0078	Bore Rakesh	0	0
19	19Q61E0079	Dagam Vamshi Kumar	30	100
20	19Q61E0080	Dasireddy Nikhil	30	100
21	19Q61E0081	Dhanthalapelli Madhu	30	100
22	19Q61E0082	Gokulakonda Vidyasagar	30	100
23	19Q61E0083	Gollapalli Manoj Kumar	30	100
24	19Q61E0090	Karne Mahesh	30	100
25	19Q61E0091	Kethavarapu Madhan	30	100
26	19Q61E0092	M Parusharamulu	0	0
27	19Q61E0093	Merugumalla Vamshikiran	30	100
28	19Q61E0094	Mittapelli Saikiran	30	100
29	19Q61E0095	Mudavath Shiva Kumar	30	100
30	19Q61E0096	Nandhagiri Manoj	30	100
31	19Q61E0097	Nandru Prashanth	30	100

32	19Q61E0098	Nulka Vijay Kumar	0	0
33	19Q61E00A2	Pudari Rajinish	30	100
34	19Q61E00A3	Puli Pradeep	30	100
35	19Q61E00A4	Shaik Fahad	30	100
36	19Q61E00A5	Shaik Zubair	30	100
37	19Q61E00A6	Shanam Ajay Kumar	30	100
38	19Q61E00B4	Akkinepally Ramana Rao	30	100
39	19Q61E00B5	Banda Anjali	30	100
40	19Q61E00B6	Ganta Naveena	30	100
41	19Q61E00B7	Venaganti Vinay Kumar	30	100
42	19Q61E00B8	Kumbham Karthik	30	100
43	19Q61E00B9	A Pranitha	30	100
44	19Q61E00C0	Adapa Sai Adithya	30	100
45	19Q61E00C1	Arepalli Kiran Kumar Reddy	25	83.3
46	19Q61E00C2	Atte Shekhar	30	100
47	19Q61E00C3	B Ramya	30	100
48	19Q61E00C8	Darapurreddy Sai Krishna	30	100
49	19Q61E00C9	Dasari Navya	25	83.3
50	19Q61E00D0	Dharavath Navya	30	100
51	19Q61E00D1	Enaganti Pradeep	30	100
52	19Q61E00D2	Gangireddy Karunakar Reddy	30	100
53	19Q61E00D3	Gopidi Naveen	30	100
54	19Q61E00D4	Gurija Chandrashekar	30	100

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Date: 01-12-2020

PROGRAM REPORT

Name of the value added course: Personal Administration &Time Management
Day/Duration: 30 Hours
Time: 01:30 pm to 03:30 pm
Resource Person: Mrs.B.Nayeema Assistant Professor
Name of the Coordinator: Mrs.G.Yesumani Assistant Professor
Number of the Participants: 50
Topics covered: The following topics covered in this program

- Foundational Principles of Time Management.
- Assessing your present time utilization.
- Planning and defining your workload Planning.
- Stress Management and Time Management
- Delegation: Introduction Knowing.

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Nayeema

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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **P.SIVA SANKAR** Bearing roll number **19Q61E0055** from the department of **Master of Business and Administration** completed the value added course on **"PERSONAL ADMINISTRATION & TIME MANAGEMENT"** During the year **2020-21.**

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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.NAVEEN** Bearing roll number **19Q61E00D3** from the department of **Master of Business and Administration** completed the value added course on **"PERSONAL ADMINISTRATION & TIME MANAGEMENT"** During the year **2020-21.**

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Ranga Reddy District.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

AVIH/MBA/AOC/CIR/2020-21/I/03 **Date: 28-01-2021**

CIRCULAR

This is to inform all the I Year students that, the Department organizing an Value Added Course on **"Business analytics with R Programming"**. Department Advisory Committee has been identified **Dr.M.Srikumar, Associate Professor** in MBA as a resource person for this course. This course is scheduled for 06 days which will take place from 01-02-2021 to 06-02-2021 in online mode through Google Meet.

HOD

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Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Copy to:

The principal, for kind information
IQAC
Notice Board
I Year .MBA students
Dept. file

ABOUT THE COURSE

R analytics (or R programming language) is a free, open-source software used for all kinds of data science, statistics, and visualization projects. R programming language is powerful, versatile, AND able to be integrated into BI platforms like Sisense, to help you get the most out of business-critical data.

COURSE OBJECTIVES

- The basics of statistical computing and data analysis
- How to use R for analytical programming
- How to implement data structure in R
- R loop functions and debugging tools
- Object-oriented programming concepts in R
- Data visualization in R

EXPECTED OUTCOMES

After completion of the course, learners would be able to:

- Explain critical R programming concepts
- Demonstrate how to install and configure R Studio
- Apply OOP concepts in R programming
- Explain the use of data structure and loop functions
- Analyze data and generate reports based on the data
- Apply various concepts to write programs in R

Resource Person
Dr.M.Srikumar
Associate Professor
Department of MBA

Co-ordinator
Mr.Asharaf Hussain
Assistant Professor
Department of MBA

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Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSdTpl_cdMhGnYQVONjedNm-ZsRbmnadeIk41-43zBw0m%20RIUGGWw5Ajw/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fquimfdlzoqj

Class starts from 01.02.2021 to 06.02.2021 at 10AM - 4 PM.

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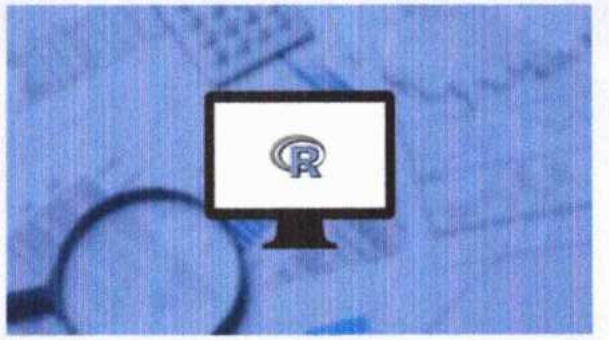

ADD-ON COURSE ON

"BUSINESS ANALYTICS WITH R PROGRAMMING"

01st FEB TO 06th FEB,2021

DURATION OF THE COURSE 30 HRS

ORGANIZED BY :

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS ANALYTICS WITH R PROGRAMMING**

ACADEMIC YEAR: 2020-21

I YEAR-I SEM

Course Objectives:

- The basics of statistical computing and data analysis
- How to use R for analytical programming
- How to implement data structure in R
- R loop functions and debugging tools
- Object-oriented programming concepts in R
- Data visualization in R

Course Outcomes: After completion of the course, learners would be able to:

- Explain critical R programming concepts
- Demonstrate how to install and configure R Studio
- Apply OOP concepts in R programming
- Explain the use of data structure and loop functions
- Analyze data and generate reports based on the data
- Apply various concepts to write programs in R

Syllabus

- Introduction
- About the Technology
- History
- Types
- Scope
- Features
- Advantages
- Certification
- Key components of a business analytics dashboard
- Differences and similarities between business intelligence and analytics
- Types of Business Analysis
- Tools and Techniques

REFERENCE BOOKS:

1 Human Resource Management by "P.K AGARWAL

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS ANALYTICS WITH R PROGRAMMING**

ACADEMIC YEAR 2020-21 **Date: 28-01-2021**

I YEAR-I SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
01-02-2021	Introduction Business Analytics With R	10:00 am to 04:00 Pm	5 hour
02-02-2021	About the Technology	10:00 am to 04:00 Pm	5 hour
03-02-2021	Scope of Business Analytics With R	10:00 am to 04:00 Pm	5 hour
04-02-2021	Key components of a business analytics dashboard	10:00 am to 04:00 Pm	5 hour
05-02-2021	Types of Business Analysis	10:00 am to 04:00 Pm	5 hour
06-02-2021	Tools and Techniques	10:00 am to 04:00 Pm	5 hour
			Total – 30 Hours

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS ANALYTICS WITH R PROGRAMMING**

I YEAR I–SEM ENROLLED STUDENTS LIST Date: 01-02-2021 to 06-02-2021

S.NO	Roll Number	Name of The Student
1	20Q61E0001	Abbanagoni Mukesh
2	20Q61E0002	Addagatla Sandhya
3	20Q61E0003	Adepu Niharika
4	20Q61E0004	Ankagalla Jeevan
5	20Q61E0005	Attapuram Mamatha
6	20Q61E0006	B Manasa
7	20Q61E0007	B Saikumar
8	20Q61E0008	Bachanagoni Aishwarya
9	20Q61E0009	Badur Naveen
10	20Q61E0010	Bangarigada Swathi
11	20Q61E0011	Bathula Anupriya
12	20Q61E0012	Boddu Shirisha
13	20Q61E0013	Burra Aishwarya
14	20Q61E0014	Challa Shruthi
15	20Q61E0015	Chenna Prakash
16	20Q61E0016	Damma Kavitha
17	20Q61E0017	Devulapalli Uha
18	20Q61E0018	Dhanavath Ashok Naik
19	20Q61E0019	Eedhula Shirisha
20	20Q61E0020	Ettula Sai Prasanna
21	20Q61E0021	Gatla Prabath
22	20Q61E0022	Gavini Naveen Kumar
23	20Q61E0023	Goshika Sreevani
24	20Q61E0024	Jadala Naveen Kumar
25	20Q61E0025	K Anvesh
26	20Q61E0026	K Ramya Sri
27	20Q61E0027	Karingu Lavanya
28	20Q61E0028	Kasula Anusha
29	20Q61E0029	Kesani Sai Babu
30	20Q61E0030	Koduru Nagamani
31	20Q61E0031	Konreddy Lavanya
32	20Q61E0032	Korkela Vinay

33	20Q61E0033	Kuna Hari Chandana
34	20Q61E0034	Kunapareddy Sony
35	20Q61E0035	Kyatham Manasa
36	20Q61E0036	Madduri Pavankalyan
37	20Q61E0037	Mandha Preethi
38	20Q61E0038	Mandla Yadagiri
39	20Q61E0039	Mandugala Pavani
40	20Q61E0040	Miriyala Kalyani
41	20Q61E0041	Miryala Pravallika
42	20Q61E0042	Merugu Rajashekhar
43	20Q61E0043	Nomula Samitha
44	20Q61E0044	Pakala Narsimha
45	20Q61E0045	Palle Nikitha
46	20Q61E0046	Peesodi Shivani
47	20Q61E0047	Pippera Rohith
48	20Q61E0048	Pooja Gehlot
49	20Q61E0049	Rageeru Anil Kumar
50	20Q61E0050	Ravulakollu Reshma
51	20Q61E0051	Samala Sairam
52	20Q61E0052	Surgi Madhu
53	20Q61E0053	Tarak Jagadish
54	20Q61E0054	Thakur Kalyani
55	20Q61E0055	Thunga Navyasri
56	20Q61E0056	Vanam Omkar
57	20Q61E0057	Varala Preethi
58	20Q61E0058	Velugupally Shravani
59	20Q61E0059	Vijayagiri Sanjay
60	20Q61E0060	Yelugandula Mahipal
61	20Q61E0061	Yelugandula Srikanth
62	20Q61E0062	Vakdoth Shashi Rekha
63	20Q61E0063	Abbavathi Bhavani
64	20Q61E0064	Kampelli Simon
65	20Q61E0065	Anugu Pravalika
66	20Q61E0066	Baira Deekshitha
67	20Q61E0067	Bandari Charani
68	20Q61E0068	Belle Navya
69	20Q61E0069	Biradar Divya
70	20Q61E0070	Burri Nagamani

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71	20Q61E0071	Chennarap Sharath
72	20Q61E0072	Pannala Bhavani
73	20Q61E0073	Chepuri Bhanuprakash
74	20Q61E0074	Sirigada Saiteja
75	20Q61E0075	D Pruthvi Bhargav
76	20Q61E0076	Doda Divya
77	20Q61E0077	Donthula Ramya
78	20Q61E0078	Edla Raghavender
79	20Q61E0079	Eeramouni Anil Kumar

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The students of I year MBA certificate program attending "Business analytics with R Programming" by Dr.M.Srikumar assistant professor.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS ANALYTICS WITH R PROGRAMMING**

I YEAR I–SEM **A.Y 2020-2021** **Date: 28-01-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21	06.02.21
1	20Q61E0001	Abbanagoni Mukesh	P	P	P	P	P	P
2	20Q61E0002	Addagatla Sandhya	P	P	P	P	P	P
3	20Q61E0003	Adepu Niharika	A	A	A	A	A	A
4	20Q61E0004	Ankagalla Jeevan	P	P	P	P	P	P
5	20Q61E0005	Attapuram Mamatha	P	P	P	P	P	P
6	20Q61E0006	B Manasa	A	A	A	A	A	A
7	20Q61E0007	B Saikumar	P	P	P	P	P	P
8	20Q61E0008	Bachanagoni Aishwarya	P	P	P	P	P	P
9	20Q61E0009	Badur Naveen	P	P	P	P	P	P
10	20Q61E0010	Bangarigada Swathi	P	P	P	P	P	P
11	20Q61E0011	Bathula Anupriya	P	P	P	P	P	P
12	20Q61E0012	Boddu Shirisha	A	A	A	A	A	A
13	20Q61E0013	Burra Aishwarya	P	P	P	P	P	P
14	20Q61E0014	Challa Shruthi	P	P	P	P	P	P
15	20Q61E0015	Chenna Prakash	P	A	P	P	P	P
16	20Q61E0016	Damma Kavitha	P	P	P	P	P	P
17	20Q61E0017	Devulapalli Uha	P	P	P	P	P	P
18	20Q61E0018	Dhanavath Ashok Naik	P	P	P	P	P	P
19	20Q61E0019	Eedhula Shirisha	P	P	P	P	P	P
20	20Q61E0020	Ettula Sai Prasanna	A	P	P	P	P	P
21	20Q61E0021	Gatla Prabath	P	P	P	P	P	P
22	20Q61E0022	Gavini Naveen Kumar	P	P	P	A	P	P
23	20Q61E0023	Goshika Sreevani	P	P	P	P	P	P
24	20Q61E0024	Jadala Naveen Kumar	P	P	P	P	P	P
25	20Q61E0025	K Anvesh	P	P	P	P	P	P
26	20Q61E0026	K Ramya Sri	P	P	P	P	P	P
27	20Q61E0027	Karingu Lavanya	P	P	P	P	P	P
28	20Q61E0028	Kasula Anusha	P	P	P	P	P	P
29	20Q61E0029	Kesani Sai Babu	P	P	P	P	P	P
30	20Q61E0030	Koduru Nagamani	P	P	P	P	P	P
31	20Q61E0031	Konreddy Lavanya	P	P	P	P	P	P

32	20Q61E0032	Korkela Vinay	P	P	P	P	P	P
33	20Q61E0033	Kuna Hari Chandana	P	P	P	P	P	P
34	20Q61E0034	Kunapareddy Sony	P	P	P	P	P	P
35	20Q61E0035	Kyatham Manasa	A	A	A	A	A	A
36	20Q61E0036	Madduri Pavankalyan	P	P	P	P	P	P
37	20Q61E0037	Mandha Preethi	P	P	A	P	P	P
38	20Q61E0038	Mandla Yadagiri	P	P	P	P	P	P
39	20Q61E0039	Mandugala Pavani	P	P	P	P	P	P
40	20Q61E0040	Miriyala Kalyani	P	P	P	P	P	P
41	20Q61E0041	Miryala Pravallika	P	P	P	P	P	P
42	20Q61E0042	Merugu Rajashekhar	P	P	P	P	P	P
43	20Q61E0043	Nomula Samitha	P	P	P	P	P	P
44	20Q61E0044	Pakala Narsimha	A	P	P	P	P	P
45	20Q61E0045	Palle Nikitha	P	P	P	P	P	P
46	20Q61E0046	Peesodi Shivani	P	P	P	P	P	P
47	20Q61E0047	Pippera Rohith	P	P	P	P	P	P
48	20Q61E0048	Pooja Gehlot	P	P	P	P	P	P
49	20Q61E0049	Rageeru Anil Kumar	P	P	P	P	P	P
50	20Q61E0050	Ravulakollu Reshma	P	P	P	P	P	P
51	20Q61E0051	Samala Sairam	P	P	P	P	P	P
52	20Q61E0052	Surgi Madhu	A	A	A	A	A	A
53	20Q61E0053	Tarak Jagadish	P	P	P	P	P	P
54	20Q61E0054	Thakur Kalyani	P	P	P	P	P	P
55	20Q61E0055	Thunga Navyasri	P	P	A	P	P	P
56	20Q61E0056	Vanam Omkar	P	P	P	P	P	P
57	20Q61E0057	Varala Preethi	P	P	P	P	P	P
58	20Q61E0058	Velugupally Shravani	P	P	P	P	P	P
59	20Q61E0059	Vijayagiri Sanjay	P	P	P	P	P	P
60	20Q61E0060	Yelugandula Mahipal	P	P	P	P	P	P
61	20Q61E0061	Yelugandula Srikanth	P	P	P	P	P	P
62	20Q61E0062	Vakdoth Shashi Rekha	P	P	P	P	P	P
63	20Q61E0063	Abbavathi Bhavani	P	P	P	P	P	P
64	20Q61E0064	Kampelli Simon	P	P	P	P	P	P
65	20Q61E0065	Anugu Pravalika	P	P	P	P	P	P
66	20Q61E0066	Baira Deekshitha	P	P	P	P	P	P
67	20Q61E0067	Bandari Charani	P	P	P	P	P	P
68	20Q61E0068	Belle Navya	P	P	P	P	P	P
69	20Q61E0069	Biradar Divya	P	P	P	P	P	P

70	20Q61E0070	Burri Nagamani	P	P	P	P	P	P
71	20Q61E0071	Chennarap Sharath	P	P	P	P	P	P
72	20Q61E0072	Pannala Bhavani	A	A	A	A	A	A
73	20Q61E0073	Chepuri Bhanuprakash	P	P	P	P	P	P
74	20Q61E0074	Sirigada Saiteja	P	P	A	P	P	P
75	20Q61E0075	D Pruthvi Bhargav	P	P	P	P	P	P
76	20Q61E0076	Doda Divya	P	P	P	P	P	P
77	20Q61E0077	Donthula Ramya	A	P	P	P	P	P
78	20Q61E0078	Edla Raghavender	P	P	P	P	P	P
79	20Q61E0079	Eeramouni Anil Kumar	P	P	P	P	P	P

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **BUSINESS ANALYTICS WITH R PROGRAMMING**

I YEAR I–SEM **A.Y 2020-21** **Date: 01-02-2021 to 06-02-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61E0001	Abbanagoni Mukesh	30	100
2	20Q61E0002	Addagatla Sandhya	30	100
3	20Q61E0003	Adepu Niharika	0	0
4	20Q61E0004	Ankagalla Jeevan	30	100
5	20Q61E0005	Attapuram Mamatha	30	100
6	20Q61E0006	B Manasa	0	0
7	20Q61E0007	B Saikumar	30	100
8	20Q61E0008	Bachanagoni Aishwarya	30	100
9	20Q61E0009	Badur Naveen	30	100
10	20Q61E0010	Bangarigada Swathi	30	100
11	20Q61E0011	Bathula Anupriya	30	100
12	20Q61E0012	Boddu Shirisha	0	0
13	20Q61E0013	Burra Aishwarya	30	100
14	20Q61E0014	Challa Shruthi	30	100
15	20Q61E0015	Chenna Prakash	25	83.3
16	20Q61E0016	Damma Kavitha	30	100
17	20Q61E0017	Devulapalli Uha	30	100
18	20Q61E0018	Dhanavath Ashok Naik	30	100
19	20Q61E0019	Eedhula Shirisha	30	100
20	20Q61E0020	Ettula Sai Prasanna	25	83.3
21	20Q61E0021	Gatla Prabath	30	100
22	20Q61E0022	Gavini Naveen Kumar	25	83.3
23	20Q61E0023	Goshika Sreevani	30	100
24	20Q61E0024	Jadala Naveen Kumar	30	100
25	20Q61E0025	K Anvesh	30	100
26	20Q61E0026	K Ramya Sri	30	100
27	20Q61E0027	Karingu Lavanya	30	100
28	20Q61E0028	Kasula Anusha	30	100
29	20Q61E0029	Kesani Sai Babu	30	100
30	20Q61E0030	Koduru Nagamani	30	100
31	20Q61E0031	Konreddy Lavanya	30	100

32	20Q61E0032	Korkela Vinay	30	100
33	20Q61E0033	Kuna Hari Chandana	30	100
34	20Q61E0034	Kunapareddy Sony	30	100
35	20Q61E0035	Kyatham Manasa	0	0
36	20Q61E0036	Madduri Pavankalyan	30	100
37	20Q61E0037	Mandha Preethi	25	83.3
38	20Q61E0038	Mandla Yadagiri	30	100
39	20Q61E0039	Mandugala Pavani	30	100
40	20Q61E0040	Miriyala Kalyani	30	100
41	20Q61E0041	Miryala Pravallika	30	100
42	20Q61E0042	Merugu Rajashekhar	30	100
43	20Q61E0043	Nomula Samitha	30	100
44	20Q61E0044	Pakala Narsimha	25	83.3
45	20Q61E0045	Palle Nikitha	30	100
46	20Q61E0046	Peesodi Shivani	30	100
47	20Q61E0047	Pippera Rohith	30	100
48	20Q61E0048	Pooja Gehlot	30	100
49	20Q61E0049	Rageeru Anil Kumar	30	100
50	20Q61E0050	Ravulakollu Reshma	30	100
51	20Q61E0051	Samala Sairam	30	100
52	20Q61E0052	Surgi Madhu	0	0
53	20Q61E0053	Tarak Jagadish	30	100
54	20Q61E0054	Thakur Kalyani	30	100
55	20Q61E0055	Thunga Navyasri	25	83.3
56	20Q61E0056	Vanam Omkar	30	100
57	20Q61E0057	Varala Preethi	30	100
58	20Q61E0058	Velugupally Shravani	30	100
59	20Q61E0059	Vijayagiri Sanjay	30	100
60	20Q61E0060	Yelugandula Mahipal	30	100
61	20Q61E0061	Yelugandula Srikanth	30	100
62	20Q61E0062	Vakdoth Shashi Rekha	30	100
63	20Q61E0063	Abbavathi Bhavani	30	100
64	20Q61E0064	Kampelli Simon	30	100
65	20Q61E0065	Anugu Pravalika	30	100
66	20Q61E0066	Baira Deekshitha	30	100
67	20Q61E0067	Bandari Charani	30	100
68	20Q61E0068	Belle Navya	30	100
69	20Q61E0069	Biradar Divya	30	100

70	20Q61E0070	Burri Nagamani	30	100
71	20Q61E0071	Chennarap Sharath	30	100
72	20Q61E0072	Pannala Bhavani	0	0
73	20Q61E0073	Chepuri Bhanuprakash	30	100
74	20Q61E0074	Sirigada Saiteja	25	83.3
75	20Q61E0075	D Pruthvi Bhargav	30	100
76	20Q61E0076	Doda Divya	30	100
77	20Q61E0077	Donthula Ramya	25	83.3
78	20Q61E0078	Edla Raghavender	30	100
79	20Q61E0079	Eeramouni Anil Kumar	30	100

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Date: 10-02-2021

PROGRAM REPORT

Name of the value added course: Business Analytics with R Programming
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 Pm
Resource Person: Dr.M.Srikumar, Associate Professor
Name of the Coordinator: Mr.Asharaf Hussain Assistant Professor
Number of the Participants: 79
Topics covered: The following topics covered in this program

- Introduction
- About the Technology
- History
- Types
- Scope
- Features
- Differences and similarities between business intelligence and analytics
- Types of Business Analysis

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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **K.ANUSHA** Bearing roll number **20Q61E0028** from the department of **Master of Business and Administration** completed the value added course on **"BUSINESS ANALYTICS WITH R PROGRAMMING"** During the year **2020-21.**

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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **A.MUKESH** Bearing roll number **20Q61E0001** from the department of **Master of Business and Administration** completed the value added course on **"BUSINESS ANALYTICS WITH R PROGRAMMING"** During the year **2020-21.**

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Co-Ordinator

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Principal

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

AVIH/MBA /AOC/CIR/2020-21 /II/01 **Dates: 05-04-2021**

CIRCULAR

This is to inform all the I Year MBA students that, the Department organizing a Value Added Course on **"People Management"**. Department Advisory Committee has been identified **Mr.N.RamanaReddy Assistant Professor** in MBA as a resource person for this course. This course is scheduled for 06 days which will take place from 12-04-2021 to 17-04-2021 in online mode through Google Meet.

HOD

Head of the Department
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Avanthi Institute of Engineering & Technology
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Ranga Reddy District.

Copy to:

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IQAC
Notice Board
I Year .MBA students
Dept. file

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ACCREDITED WITH GRADE B++ NAAC

ABOUT THE COURSE

People management is defined as a set of practices that encompass the end-to-end processes of talent acquisition, talent optimization, and talent retention while providing continued support for the business and guidance for the employees of an organization.



COURSE OBJECTIVES

- Describe and implement different theories and philosophies to manage people at work
- Understand how individuals and teams work in an organization
- Examine individuals' personality and behaviors to resulting in better management of people
- Apply different techniques and strategies to improve people management in organizations
- Harness the team's ability to improve the performance
- Motivate people to improve their overall performance
- Coach and inspire employees effectively
- Resolve and manage conflicts quickly
- Understand the cultural differences and nullify it's negative impacts

EXPECTED OUTCOMES

After completion of the course, learners would be able to:

- Understand what is meant by management and managerial effectiveness
- Identify the roles which are fulfilled while working as a manager
- Identify managerial activities that contribute to managerial effectiveness
- Identify a cause of stress in managerial life from a range covering mismatches between capabilities and role, player-manager tension and everyday stressor
- Understand time pressures and the need for time management.

ADD-ON COURSE ON

"PEOPLE MANAGEMENT"

12th APR TO 17th APR,2021

DURATION OF THE COURSE 30 HRS

ORGANIZED BY :

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

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Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Resource Person	Co-ordinator
Mr.N.Ramana Reddy	Mr.A.Kalyan
Assistant Professor	Assistant Professor
Department of MBA	Department of MBA

Students are instructed to register the given below link:

https://docs.google.com/forms/d/e/1FAIpQLSdTpl_cdMhGnYQVONjedNm-ZsRb-58Hfrqm%20RIUGGWw5Ajw/viewform

Google Meet Link: https://meet.google.com/www.bmcp-Ckg-fhiuf-hsat

Class starts from 12.04.2021 to 17.04.2021 at 10AM - 4 PM.



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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: PEOPLE MANAGEMENT

VALUE ADDED COURSE SYLLABUS

ACADEMIC YEAR: 2020-21

I YEAR-II SEM

Course Objectives:

- Describe and implement different theories and philosophies to manage people at work
- Understand how individuals and teams work in an organization
- Examine individuals' personality and behaviors to resulting in better management of people
- Apply different techniques and strategies to improve people management in organizations
- Harness the team's ability to improve the performance
- Motivate people to improve their overall performance
- Coach and inspire employees effectively
- Resolve and manage conflicts quickly
- Understand the cultural differences and nullify it's negative impacts

Course Outcomes: After completion of the course, learners would be able to:

- Understand what is meant by management and managerial effectiveness
- Identify the roles which are fulfilled while working as a manager
- Identify managerial activities that contribute to managerial effectiveness
- Identify a cause of stress in managerial life from a range covering mismatches between capabilities and role, player-manager tension and everyday stressor
- Understand time pressures and the need for time management.

MODULE1: Introduction to People Management Difference between People Management and Human Resource Management; impact of individual and organizational factors on people management.

MODULE 2: Getting Work Done through Others Challenges of getting work done; significance of prioritization and assigning work to team members.

MODULE 3: Assessment and Evaluation Concept of performance management and role of a manager in the different stages of the performance management process.

MODULE 4: Building Peer Networks Understanding the importance of peer networks in an organization; being able to influence those on whom you have no authority.

MODULE 5: Essentials of Communication Concept of the communication process with reflection on various barriers to effective communication and ways to overcome.

MODULE 6: Managing Self Reflection on what does it mean to be a people manager; building a personal development plan for oneself.

TEXT BOOKS:

1. Armstrong's Handbook of Human Resource Management
2. Public Personnel Management: Contexts and Strategies 7th Edition

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PEOPLE MANAGEMENT**

ACADEMIC YEAR 2020-21 **Date: 05-04-2021**

I YEAR-II SEM **DAY WISE SCHEDULE SHEET**

DAY	Topic	Timings	Duration
12-04-2021	Difference between People Management	10:00 am to 04:00 pm	5 hours
13-04-2021	Human Resource Management	10:00 am to 04:00 pm	5 hours
14-04-2021	Impact of individual and organizational factors on people management.	10:00 am to 04:00 pm	5 hours
15-04-2021	being able to influence those on whom you have no authority	10:00 am to 04:00 pm	5 hours
16-04-2021	Essentials of Communication Concept of the communication process with reflection	10:00 am to 04:00 pm	5 hours
17-04-2021	various barriers to effective communication and ways to overcome	10:00 am to 04:00 pm	5 hours
			TOTAL : 30 Hours

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PEOPLE MANAGEMENT**

I YEAR II–SEM ENROLLED STUDENTS LIST Date: 12-04-2021 to 17-04-2021

S.NO	Roll Number	Name of The Student
1	20Q61E0080	Gundreddy Sravanthi
2	20Q61E0081	Junjuru Anilkumar
3	20Q61E0082	Junnu Harish
4	20Q61E0083	Kasaramoni Prashanth
5	20Q61E0084	Lingala Saikumar
6	20Q61E0085	Macha Ravinder
7	20Q61E0086	Machha Shiva Krishna
8	20Q61E0087	Narra Spandhana Reddy
9	20Q61E0088	Narri Ramalingam
10	20Q61E0089	Nimmala Kavitha
11	20Q61E0090	O Laxmi Durga Rao
12	20Q61E0091	Pakkir Vamshidhar Reddy
13	20Q61E0092	Palle Suresh Kumar
14	20Q61E0093	Panthangi Uma
15	20Q61E0094	Penta Rakesh
16	20Q61E0095	Polamoni Sai Kumar
17	20Q61E0096	Rachapally Vaishnavidevi
18	20Q61E0097	Surishetti Vasavi
19	20Q61E0098	T Thirupathi
20	20Q61E0099	Thotala Pavan Kumar
21	20Q61E00A0	Vaishnavi Sharma
22	20Q61E00A1	Vaskula Rajkumar
23	20Q61E00A2	Vishal Giri
24	20Q61E00A3	Yerra Manasa
25	20Q61E00A4	Kathalanu Swapna
26	20Q61E00A5	Vangapally Srikanth
27	20Q61E00A6	Bhushan Naveen Kumar
28	20Q61E00A7	Akash
29	20Q61E00A8	Mekarti Daniel
30	20Q61E00A9	Bardarker Sai Bhavani
31	20Q61E00B0	Chalavadi Venu Gopal
32	20Q61E00B1	Deepak Panda

33	20Q61E00B2	Kasu Venkata Naga Prasada Reddy
34	20Q61E00B3	Lanka Ramya
35	20Q61E00B4	Mohammad Amreen
36	20Q61E00B5	Mohammad Sohel
37	20Q61E00B6	Obulareddy Ravinderareddy
38	20Q61E00B7	Om Pavani Kota
39	20Q61E00B8	Paidipelli Sagar Goud
40	20Q61E00B9	Surakanti Ravali
41	20Q61E00C0	Shaik Ata Ur Rahman
42	20Q61E00C1	Sunkari Shirisha
43	20Q61E00C2	Nagulapalli Jhansi
44	20Q61E00C3	Llollu Swapna
45	20Q61E00C4	Kotapati Venkata Gopala Krishna Reddy
46	20Q61E00C5	Gudugu Keerthana
47	20Q61E00C6	Ray Bitika
48	20Q61E00C7	Harinath Pendem
49	20Q61E00C8	Nazia Begum
50	20Q61E00C9	Jangam Kavya Reddy
51	20Q61E00D0	Patel Abhishek Reddy
52	20Q61E00D1	Rathlavath Shankar
53	20Q61E00D2	Bharatha Sai Vardhan
54	20Q61E00D3	Godha Sony
55	20Q61E00D4	Guduru Sampath Reddy
56	20Q61E00D5	Deshaboina Hareesh
57	20Q61E00D6	Bommani Mallikarjun
58	20Q61E00D7	Kondoju Pavan Kalyan
59	20Q61E00D8	Parne Avinash Reddy
60	20Q61E00D9	Gutha Vinay Kumar
61	20Q61E00E0	Vaddepally Manisha
62	20Q61E00E1	Pallerla Sai Kishore
63	20Q61E00E2	Pasala Vinay Raju
64	20Q61E00E3	Surkanti Mahepal Reddy
65	20Q61E00E4	Tummalapally Sainath
66	20Q61E00E5	Katta Ranjith Kumar
67	20Q61E00E6	Bdhanalaxmi
68	20Q61E00E7	Guvvala Shiva Vara Prasad
69	20Q61E00E8	Dopathi Gamanisri
70	20Q61E00E9	Prodaturu Shiva Kumar

71	20Q61E00F0	B Pallavi
72	20Q61E00F1	Thathari Sunny
73	20Q61E00F2	Vardalle Shravan Kumar
74	20Q61E00F3	Revanuru Sravan Teja
75	20Q61E00F4	Sarvigari Akhileshwarreddy
76	20Q61E00F5	Gunji Venu Gopal
77	20Q61E00F6	B Ajithabreddy
78	20Q61E00F7	N Ganga

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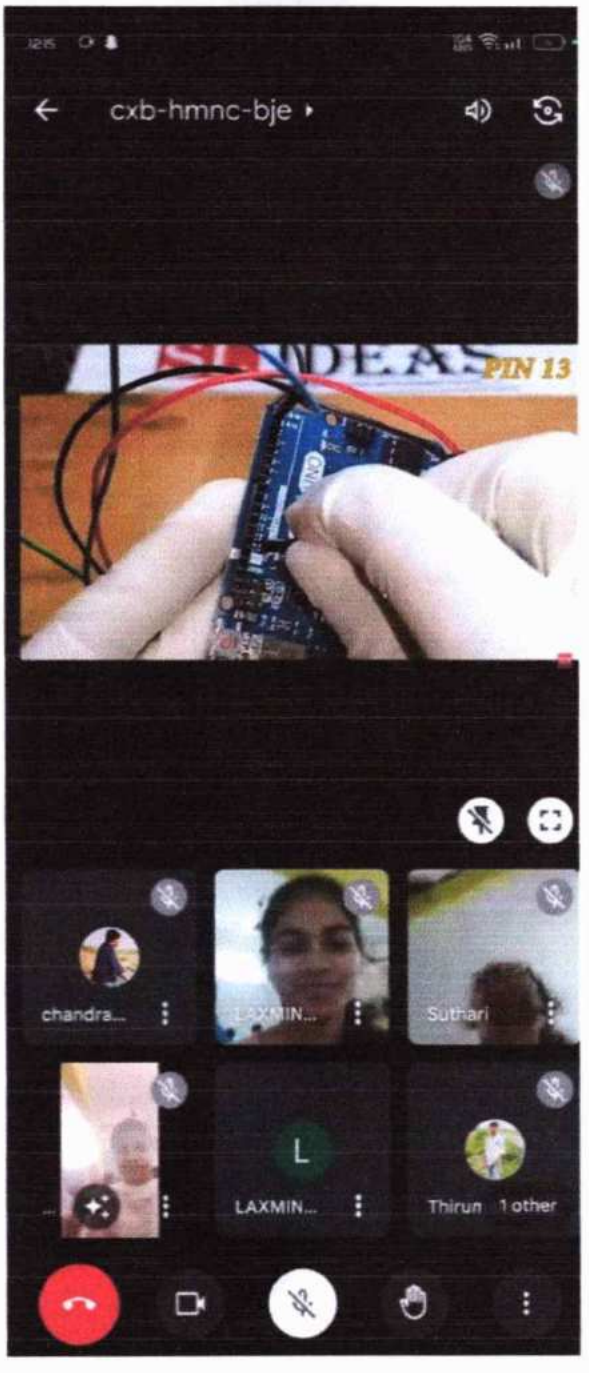
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.



The students of I year MBA certificate program attending "People Management" by Mr.N.RamanaReddy assistant professor.

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Gunthapally (V), Abdullapur Met (Mdl),
Ranga Reddy Dist, Telangana.

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HOD

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Gunthapally (Vill), Abdullapurmet (M
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PEOPLE MANAGEMENT**

I YEAR II–SEM **A.Y 2020-2021** **Date: 05-04-2021**

DAYWISE ATTANDANCE SHEET

S.NO	Roll Number	Name of The Student	12.04.21	13.04.21	14.04.21	15.04.21	16.04.21	17.04.21
1	20Q61E0080	Gundreddy Sravanthi	P	P	P	P	P	P
2	20Q61E0081	Junjuru Anilkumar	P	P	P	P	P	P
3	20Q61E0082	Junnu Harish	P	P	P	P	P	P
4	20Q61E0083	Kasaramoni Prashanth	A	A	A	A	A	A
5	20Q61E0084	Lingala Saikumar	P	P	P	P	P	P
6	20Q61E0085	Macha Ravinder	P	A	P	P	P	P
7	20Q61E0086	Machha Shiva Krishna	P	P	P	P	P	P
8	20Q61E0087	Narra Spandhana Reddy	P	P	P	P	P	P
9	20Q61E0088	Narri Ramalingam	P	P	P	P	P	P
10	20Q61E0089	Nimmala Kavitha	P	P	P	P	P	P
11	20Q61E0090	O Laxmi Durga Rao	P	P	P	P	P	P
12	20Q61E0091	Pakkir Vamshidhar Reddy	P	P	P	P	P	P
13	20Q61E0092	Palle Suresh Kumar	A	A	A	A	A	A
14	20Q61E0093	Panthangi Uma	P	P	P	P	P	P
15	20Q61E0094	Penta Rakesh	P	P	P	P	P	P
16	20Q61E0095	Polamoni Sai Kumar	P	P	P	P	P	P
17	20Q61E0096	Rachapally Vaishnavidevi	P	P	P	P	P	P
18	20Q61E0097	Surishetti Vasavi	P	A	P	P	P	P
19	20Q61E0098	T Thirupathi	P	P	P	P	P	P
20	20Q61E0099	Thotala Pavan Kumar	P	P	P	P	P	P
21	20Q61E00A0	Vaishnavi Sharma	P	P	P	P	P	P
22	20Q61E00A1	Vaskula Rajkumar	P	P	P	P	P	P
23	20Q61E00A2	Vishal Giri	P	P	P	P	P	P
24	20Q61E00A3	Yerra Manasa	P	P	P	A	P	P
25	20Q61E00A4	Kathalanu Swapna	P	P	P	P	P	P
26	20Q61E00A5	Vangapally Srikanth	P	P	P	P	P	P
27	20Q61E00A6	Bhushan Naveen Kumar	P	P	P	P	P	P
28	20Q61E00A7	Akash	P	P	P	P	P	P
29	20Q61E00A8	Mekarti Daniel	P	P	P	P	P	P
30	20Q61E00A9	Bardarker Sai Bhavani	P	P	P	P	P	P

31	20Q61E00B0	Chalavadi Venu Gopal	P	P	P	P	P	P
32	20Q61E00B1	Deepak Panda	P	P	P	P	P	P
33	20Q61E00B2	Kasu Venkata Naga Prasada Reddy	P	P	P	P	P	P
34	20Q61E00B3	Lanka Ramya	P	P	P	P	P	P
35	20Q61E00B4	Mohammad Amreen	P	P	P	P	P	P
36	20Q61E00B5	Mohammad Sohel	P	P	P	P	P	P
37	20Q61E00B6	Obulareddy Ravinderareddy	P	P	P	P	P	P
38	20Q61E00B7	Om Pavani Kota	A	A	A	A	A	A
39	20Q61E00B8	Paidipelli Sagar Goud	P	P	P	P	P	P
40	20Q61E00B9	Surakanti Ravali	P	P	P	P	P	P
41	20Q61E00C0	Shaik Ata Ur Rahman	A	A	A	A	A	A
42	20Q61E00C1	Sunkari Shirisha	P	P	P	P	P	P
43	20Q61E00C2	Nagulapalli Jhansi	P	P	P	P	P	P
44	20Q61E00C3	Llollu Swapna	P	P	P	P	P	P
45	20Q61E00C4	Kotapati Venkata Gopala Krishna Reddy	P	P	P	P	P	P
46	20Q61E00C5	Gudugu Keerthana	P	P	P	P	P	P
47	20Q61E00C6	Ray Bitika	P	A	P	P	P	P
48	20Q61E00C7	Harinath Pendem	P	P	P	P	P	P
49	20Q61E00C8	Nazia Begum	P	P	P	P	P	P
50	20Q61E00C9	Jangam Kavya Reddy	P	P	P	P	P	P
51	20Q61E00D0	Patel Abhishek Reddy	P	P	P	P	P	P
52	20Q61E00D1	Rathlavath Shankar	P	P	P	P	P	P
53	20Q61E00D2	Bharatha Sai Vardhan	P	P	A	P	P	P
54	20Q61E00D3	Godha Sony	P	P	P	P	P	P
55	20Q61E00D4	Guduru Sampath Reddy	P	P	P	P	P	P
56	20Q61E00D5	Deshaboina Hareesh	P	P	P	P	P	P
57	20Q61E00D6	Bommani Mallikarjun	P	P	P	P	P	P
58	20Q61E00D7	Kondoju Pavan Kalyan	P	P	P	P	P	P
59	20Q61E00D8	Parne Avinash Reddy	A	A	A	A	A	A
60	20Q61E00D9	Gutha Vinay Kumar	P	P	P	P	P	P
61	20Q61E00E0	Vaddepally Manisha	P	P	P	P	P	P
62	20Q61E00E1	Pallerla Sai Kishore	P	P	P	P	P	P
63	20Q61E00E2	Pasala Vinay Raju	P	P	P	P	P	P
64	20Q61E00E3	Surkanti Mahepal Reddy	P	P	P	P	P	P
65	20Q61E00E4	Tummalapally Sainath	P	P	P	P	P	P
66	20Q61E00E5	Katta Ranjith Kumar	P	P	P	P	P	P
67	20Q61E00E6	Bdhanalaxmi	P	P	P	P	P	P

68	20Q61E00E7	Guvvala Shiva Vara Prasad	P	P	A	P	P	P
69	20Q61E00E8	Dopathi Gamanisri	P	P	P	P	P	P
70	20Q61E00E9	Prodaturu Shiva Kumar	P	P	P	P	P	P
71	20Q61E00F0	B Pallavi	P	P	P	P	P	P
72	20Q61E00F1	Thathari Sunny	P	P	P	P	P	P
73	20Q61E00F2	Vardalle Shravan Kumar	A	P	P	P	P	P
74	20Q61E00F3	Revanuru Sravan Teja	P	P	P	P	P	P
75	20Q61E00F4	Sarvigari Akhileshwarreddy	A	A	A	A	A	A
76	20Q61E00F5	Gunji Venu Gopal	P	P	P	P	P	P
77	20Q61E00F6	B Ajithabreddy	P	P	P	P	P	P
78	20Q61E00F7	N Ganga	P	P	P	P	P	P

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Ranga Reddy Dist. Telangana.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

VALUE ADDED COURSE NAME: **PEOPLE MANAGEMENT**

I YEAR II–SEM **A.Y 2020-21** **Date: 12-04-2021 to 17-04-2021**

S.NO	Roll Number	Name of The Student	No of Classes Attended	% Of Classes Attended
1	20Q61E0080	Gundreddy Sravanthi	30	100
2	20Q61E0081	Junjuru Anilkumar	30	100
3	20Q61E0082	Junnu Harish	30	100
4	20Q61E0083	Kasaramoni Prashanth	0	0
5	20Q61E0084	Lingala Saikumar	30	100
6	20Q61E0085	Macha Ravinder	25	83.3
7	20Q61E0086	Machha Shiva Krishna	30	100
8	20Q61E0087	Narra Spandhana Reddy	30	100
9	20Q61E0088	Narri Ramalingam	30	100
10	20Q61E0089	Nimmala Kavitha	30	100
11	20Q61E0090	O Laxmi Durga Rao	30	100
12	20Q61E0091	Pakkir Vamshidhar Reddy	30	100
13	20Q61E0092	Palle Suresh Kumar	0	0
14	20Q61E0093	Panthangi Uma	30	100
15	20Q61E0094	Penta Rakesh	30	100
16	20Q61E0095	Polamoni Sai Kumar	30	100
17	20Q61E0096	Rachapally Vaishnavidevi	30	100
18	20Q61E0097	Surishetti Vasavi	25	83.3
19	20Q61E0098	T Thirupathi	30	100
20	20Q61E0099	Thotala Pavan Kumar	30	100
21	20Q61E00A0	Vaishnavi Sharma	30	100
22	20Q61E00A1	Vaskula Rajkumar	30	100
23	20Q61E00A2	Vishal Giri	30	100
24	20Q61E00A3	Yerra Manasa	25	83.3
25	20Q61E00A4	Kathalanu Swapna	30	100
26	20Q61E00A5	Vangapally Srikanth	30	100
27	20Q61E00A6	Bhushan Naveen Kumar	30	100
28	20Q61E00A7	Akash	30	100
29	20Q61E00A8	Mekarti Daniel	30	100
30	20Q61E00A9	Bardarker Sai Bhavani	30	100

31	20Q61E00B0	Chalavadi Venu Gopal	30	100
32	20Q61E00B1	Deepak Panda	30	100
33	20Q61E00B2	Kasu Venkata Naga Prasada Reddy	30	100
34	20Q61E00B3	Lanka Ramya	30	100
35	20Q61E00B4	Mohammad Amreen	30	100
36	20Q61E00B5	Mohammad Sohel	30	100
37	20Q61E00B6	Obulareddy Ravinderareddy	30	100
38	20Q61E00B7	Om Pavani Kota	0	0
39	20Q61E00B8	Paidipelli Sagar Goud	30	100
40	20Q61E00B9	Surakanti Ravali	30	100
41	20Q61E00C0	Shaik Ata Ur Rahman	0	0
42	20Q61E00C1	Sunkari Shirisha	30	100
43	20Q61E00C2	Nagulapalli Jhansi	30	100
44	20Q61E00C3	Llollu Swapna	30	100
45	20Q61E00C4	Kotapati Venkata Gopala Krishna Reddy	30	100
46	20Q61E00C5	Gudugu Keerthana	30	100
47	20Q61E00C6	Ray Bitika	25	83.3
48	20Q61E00C7	Harinath Pendem	30	100
49	20Q61E00C8	Nazia Begum	30	100
50	20Q61E00C9	Jangam Kavya Reddy	30	100
51	20Q61E00D0	Patel Abhishek Reddy	30	100
52	20Q61E00D1	Rathlavath Shankar	30	100
53	20Q61E00D2	Bharatha Sai Vardhan	25	83.3
54	20Q61E00D3	Godha Sony	30	100
55	20Q61E00D4	Guduru Sampath Reddy	30	100
56	20Q61E00D5	Deshaboina Hareesh	30	100
57	20Q61E00D6	Bommani Mallikarjun	30	100
58	20Q61E00D7	Kondoju Pavan Kalyan	30	100
59	20Q61E00D8	Parne Avinash Reddy	0	0
60	20Q61E00D9	Gutha Vinay Kumar	30	100
61	20Q61E00E0	Vaddepally Manisha	30	100
62	20Q61E00E1	Pallerla Sai Kishore	30	100
63	20Q61E00E2	Pasala Vinay Raju	30	100
64	20Q61E00E3	Surkanti Mahepal Reddy	30	100
65	20Q61E00E4	Tummalapally Sainath	30	100
66	20Q61E00E5	Katta Ranjith Kumar	30	100
67	20Q61E00E6	Bdhanalaxmi	30	100
68	20Q61E00E7	Guvvala Shiva Vara Prasad	25	83.3

69	20Q61E00E8	Dopathi Gamanisri	30	100
70	20Q61E00E9	Prodaturu Shiva Kumar	30	100
71	20Q61E00F0	B Pallavi	30	100
72	20Q61E00F1	Thathari Sunny	30	100
73	20Q61E00F2	Vardalle Shravan Kumar	25	83.3
74	20Q61E00F3	Revanuru Sravan Teja	30	100
75	20Q61E00F4	Sarvigari Akhileshwarreddy	0	0
76	20Q61E00F5	Gunji Venu Gopal	30	100
77	20Q61E00F6	B Ajithabreddy	30	100
78	20Q61E00F7	N Ganga	30	100

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Gunthapally (V), Abdullapur Met (Mdl)

HOD

Head of the Department
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Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapurmet (Mdl),
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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Date: 22-04-2021

PROGRAM REPORT

Name of the value added course: People Management
Day/Duration: 30 Hours
Time: 10:00 am to 04:00 pm
Resource Person: Mr.N.RamanaReddy Assistant Professor
Name of the Coordinator: Mr.A.Kalyan Assistant Professor
Number of the Participants: 72
Topics covered: The following topics covered in this program

- Introduction to People Management.
- Getting Work Done through Other.
- Assessment and Evaluation Concept of performance management.
- Building Peer Networks Understanding.
- Essentials of Communication Concept.
- Managing Self Reflection.

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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **B.PALLAVI** Bearing roll number **20Q61E00F0** from the department of **Master of Business and Administration** completed the value added course on **"PEOPLE MANAGEMENT"** During the year **2020-21.**

Head of The Department

Head of the Department
MBA
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapurmet (Mdl),
Ranga Reddy District.

Co-Ordinator

Avanthi Institute of Engineering & Technology
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Department of Master of Business Administration

CERTIFICATE

OF PARTICIPATION

This is to certify that Ms./Mr **G.SRAVANTHI** Bearing roll number **20Q61E0080** from the department of **Master of Business and Administration** completed the value added course on **"PEOPLE MANAGEMENT"** During the year **2020-21.**

Head of The Department

Head of the Department
MBA
Avanthi Institute of Engineering & Technology
Gunthapally (Vill), Abdullapurmet (M)
Ranga Reddy District.

Co-Ordinator

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Ranga Reddy Dist, Telangana.

Principal

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