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1.3.2 List of value-added courses for imparting transferable and life skills offered during the assessment year 2020-21.

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Principal

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE (2020 -2021)

COURSE INFORMATION SHEET

Date	26/3/2021 to 03/4/2021
Venue	JAMES GOSLING LAB,& DENNIS RECHIE LAB VIIT, Dept. of. CE, VIIT.
Name of the Course	PYTHON PROGRAMMING- I
Resource Person	Mr.LOKESH UPPUGUNDURU Software Developer at TCS,HYD.
Duration	38 Hrs
Program	B.TECH
Year and Semester	II - II
Total number of students enrolled	121
Total number of students successfully completed the course	121

(Mr.V. SUDHIR)

Course Coordinator

HOD-CE
Head of the
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DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

on

PYTHON PROGRAMMING-I

SUMMARY REPORT

Name of the Resource Person : **Mr. Lokesh Uppugunduru**

Venue : James Gosling Lab,& Dennis Rechie Lab, VIIT(A).

Date : 26/3/2021 to 03/4/2021

Python for beginners is a course that is designed as a workshop which is made for students who want to know how python works and also to those totally new to programming. The python language has very simple syntax (way to write it) to learn and it is one of the most powerful languages to learn since it can be used for a variety of things. Data analysis, Game development, Visualization, Web development. Robotics and more.Jobs in this field are really lucrative and knowing this language will give you an edge when finding a job and making a lot more money than other developers; python developers are not as many as in other languages since people think it is hard. Python is super easy to learn but very powerful since it contains many possibilities. Python is growing faster and faster everyday and it has surpassed many other languages over the years for a lot of reasons.

Course Objectives:

- The course is designed to provide Basic knowledge of Python.
- The objective of the course is to make the students enable at par to Industry aligned companies, validate and benchmark their experience. Experience of different sensor module programming.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Install Python IDE and run basic Python scripts.	PO1,PO2
CO2	Understand the operators, functions, key Concepts of Object Oriented Programming in python.	PO1,PO2
CO3	Access Python from various online resources and import packages to the current working environment.	PO1,PO5
CO4	Understand file handling operations and implement ML/DS Libraries using Python.	PO1, PO12

Name of the Value-added Course: **PYTHON PROGRAMMING-I**, Date: **26/3/2021 to 3/4/2021, Venue: James Gosling Lab,& Dennis Rechie Lab, Dept. of. CE, VIIT.**

(Mr. V. SUDHIR)
Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	March 8th 2021 to March 13st 2021
Venue	JAMES GOSLING LAB,VIIT(A)
Name of the Course	Design of Steel structural & PEB Industry aligned program for Civil Engineering
Resource Person	Mr. S. Sridhar, Project Manager ,Garuda 7D Engineering solutions
Duration	36 Hrs
Program	B.TECH
Year and Semester	IV-II
Total number of students enrolled	70
Total number of students successfully completed the course	70

(V. Sudhir)

Course Coordinator

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Name of the Value-added Course: **DESIGN OF STEEL STRUCTURAL & PEB INDUSTRY ALIGNED PROGRAM FOR CIVIL ENGINEERING,** Date: **08/03/2021 to 13/03/2021, Venue: James gosling lab, Dept. of. CE, VIIT.**

(Mr.V.Sudhir)

Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

on

DESIGN OF STEEL STRUCTURAL & PEB INDUSTRY ALIGNED PROGRAM FOR CIVIL ENGINEERING

SUMMARY REPORT

Name of the Resource Person : **Mr. S. Sridhar**

Venue : James Gosling Lab,VIIT

Date : 08/03/2021 to 13/03/2021

Technological improvement over the year has contributed immensely to the enhancement of quality of life through various new products and services. One such revolution was the pre engineered buildings. Through its origin can be traced back to 1960's its potential has been felt only during the recent years. This was mainly due to the development in technology, which helped in computerizing the design and design.

Course Objectives: To highlight the technical challenges and emerging technologies for the improvement of efficiency of making structural PEB.

To make the students enable at par to Industry aligned companies, validate and benchmarking their experience.

Course Outcomes:

- Will be able to prepare detailing engineering drawings for all Steel structural & PEB
- Explain about integration AOD's & AOE's in respective Steel structural & PEB.
- Will be able to communicate to any industry in Steel structural & PEB
- Will be able to prepare and match his resume to any civil Steel structural & PEB industries.

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Will be able to prepare detailing engineering drawings for all Steel structural & PEB.	PO1, PO6, PO7, PO9
CO2	Explain about integration AOD's & AOE's in respective Steel structural & PEB.	PO1, PO6, PO7, PO9, PO12
CO3	Will be able to communicate to any industry in Steel structural & PEB.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Will be able to prepare and match his resume to any civil Steel structural & PEB industries.	PO1, PO3, PO6, PO7, PO9, PO12

DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	**8th March 2021 to 12th March 2021**
Venue	E-23 CLASS ROOM,3rd Floor, VIIT
Name of the course	**Airports & Marine docks Industry aligned program for Civil Engineering**
Resource person	**Mr.J. Kiran Kumar,** Managing Director Marino Engineering
Duration	30 Hrs.
Program	B.Tech
Year and semester	II-II
Total number of students enrolled	27
Total number of students successfully completed the course	27

(Mr.V.SUDHIR)

Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

on

"Airports & Marine docks Industry aligned program for Civil Engineering"

SUMMARY REPORT

Name of the Resource Person : **Mr.J.Kiran Kumar**

Venue : Lecture Hall (E23), CE, VIIT

Date : 08/03/2021 to 12/03/2021

The value-added course on Airports and Marine Docks industry-aligned program for Civil Engineering provides students with specialized skills and knowledge that will help them excel in their careers. The course covers topics such as airport and marine dock design and construction, operations, environmental considerations, regulatory requirements, and project management principles.

Through this course, students can gain a deep understanding of the design, construction, and operations of airports and marine docks, as well as the regulatory and environmental considerations that must be taken into account. This knowledge can help them meet the demands of the industry and advance their careers.

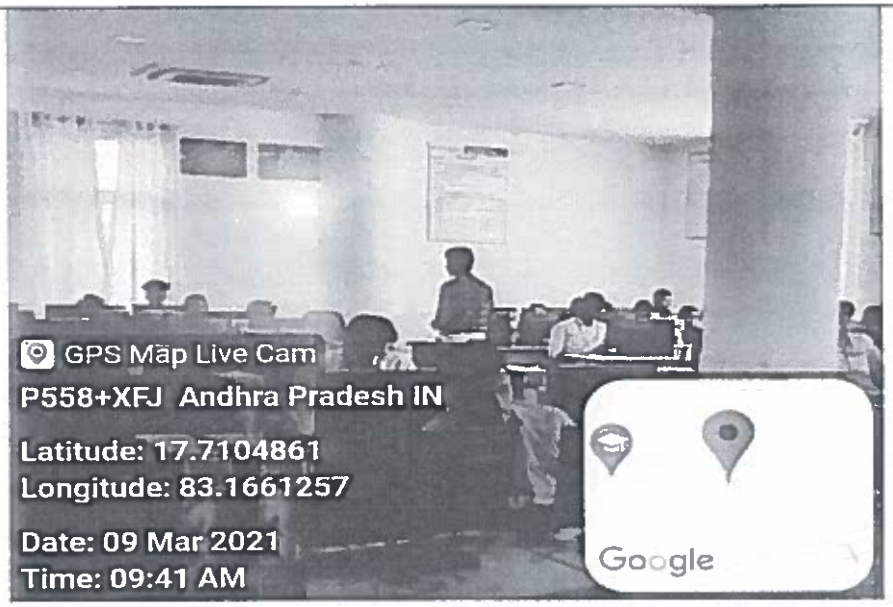
Course Objectives:

- To provide students with an understanding of the design, construction, and operation of airports and marine docks.
- To familiarize students with the regulatory and environmental considerations that must be taken into account when building and operating airports and marine docks.
- To equip students with project management principles and techniques that are essential for large-scale infrastructure projects.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Understand regulatory requirements for building and operating airports and marine docks.	PO1, PO6, PO7, PO9
CO2	Study zoning regulations, environmental regulations, and safety regulations.	PO1, PO6, PO7, PO9, PO12
CO3	Design and construct airport infrastructure such as runways, taxiways, and aprons, as well as marine dock structures such as piers and docks	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Operate airports and marine docks, including air traffic control, ground handling, cargo handling, and security systems.	PO1, PO3, PO6, PO7, PO9, PO12



Name of the Value-added Course: **Airports & Marine docks Industry aligned program for Civil Engineering,** Date: **08/03/2021 to 12/03/2021,**
Venue: Lecture hall: E23, Dept. of. CE, VIIT.

(Mr.V.Sudhir)
Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

DETAILS OF VALUE ADDED COURSE 2020-2021

Date	**March 8th 2021 to March 13th 2021**
Venue	E-34 CLASS ROOM,3nd Floor, VIIT(A)
Name of the course	**Roads & Highway Industry aligned program for Civil Engineering**
Name of the Resource person	Mr. Satya Srinivasa Rao TDD-Head, AEP Certification
Duration	36 Hrs.
Program	B.Tech
Year and semester	IV-II
Total number of students enrolled	70
Total number of students successfully completed the Course	70

(Mr.V.SUDHIR)
Course Coordinator

HOD-CE

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DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

On

ROADS & HIGHWAY INDUSTRY ALIGNED PROGRAM FOR CIVIL ENGINEERING

SUMMARY REPORT

Name of the Resource Person : **Mr. Satya Srinivasa Rao**

Venue : Lecture Hall (E34), CE, VIIT

Date : 08/3/2021 to 13/3/2021

This course is designed to enable civil engineer graduates at par with industry required skills, based on Brown belt companies & Green belt companies. This program is with respective to emerging and latest technologies (engineering software's) applied in present industries, Hence for the Industries are furtherly categorised as domains with area of disciplines (AOD's) and area of expertise (AOD's). Roads & Highway prepares the students on Roads & Highway industries and make him eligible to the Roads & Highway industries, with terminologies knowledge with AOD's concepts like Execution, planning, procurement, erection, scheduling, QA/QC – testing and safety related in each domain in brown belt companies.

Course Objectives:

- To make the students enable at par to Industry aligned companies, validate and bench marking their experience
- Planning, Designing and solving the transportation problems

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Will be able to prepare detailing engineering drawings for all Roads & Highway	PO1, PO4, PO7, PO9
CO2	Will be able to prepare AOE's deliverables for all Design engineer for Roads & Highway	PO1, PO5, PO7, PO9, PO12
CO3	Explain about integration AOD's & AOE's in respective Design engineer for Roads & Highway. Will be able to any industry in Design engineer for Roads & Highway	PO1, PO2, PO6, PO7, PO6, PO12
CO4	Will be able to prepare and match his resume to any civil Design engineer for Roads & Highway industries.	PO1, PO4, PO5, PO7, PO11, PO12

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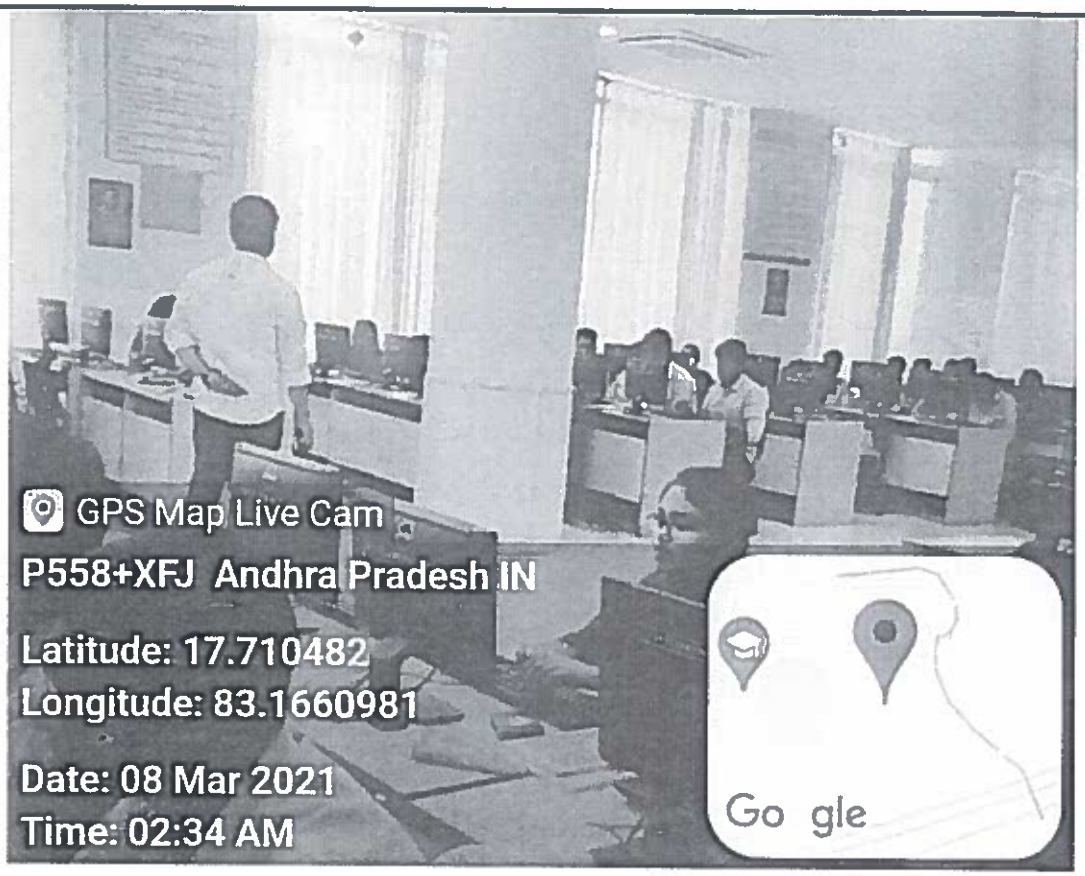

Name of the Value-added Course: **ROADS & HIGHWAY INDUSTRY ALIGNED PROGRAM FOR CIVIL ENGINEERING**

Date: **08/3/2021 to 13/3/2021, Venue: Lecture hall: E34, Dept. of. CE, VIIT.**

(Mr.V.SUDHIR)
Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	15.03.2021 To 9.04.2021
Venue	DENNIS RITCHIE LAB, 3rd Floor, VIIT(A)
Name of the Course	REVITARCHITECTURE
Resource Person	**Mr. N. Satya Srinivasa Rao** TDD-Head AEP certification
Duration	36 Hrs
Program	B.TECH
Year and Semester	III - II
Total number of students enrolled	148
Total number of students successfully completed the course	148

(Mr. V. Sudhir)
Course Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

on

REVIT ARCHITECTURE

SUMMARY REPORT

Name of the Resource Person : **Mr. N. Satya Srinivasa Rao**

Venue : DENNIS RECHIE LAB, 3rd Floor, VIIT(A)

Date : 15.03.2021 To 9.04.2021

Revit Architecture allows as an engineer, architect, designer, or technician to design and document a virtual representation of the project. Revit Architecture is an integrated architectural design and documentation environment. Students create a virtual building model of the design with intelligent building elements. These smart, parametric building elements automatically adjust and interact with the design environment, and at the same time views such as floor plans, sections, elevations, schedules, and so on can be created.

This course covers the fundamentals of using the key features of Revit Architecture, including many usable features. Moreover, this course offers numerous Revit tips and tricks, with ample expert recommended advice and techniques. The goal is that the students will be able to identify and readily adapt these "best practices" for usage of Revit Architecture.

Course Objectives:

- To enable students to create architectural project models and set them up in working drawings.
- To create floors and ceilings, add roofs and curtain walls, and work with stairs and railings in a building model and create elevation, section, and 3D views.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Describe building information modelling, bidirectional associativity, and parametric relationships in Revit.	PO1, PO3, PO5, PO12
CO2	Create a basic floor plan, add and modify walls and compound walls, use editing tools, and work with doors and windows.	PO1, PO3 PO5, PO12
CO3	Work with component families and Learn how to use dimensions and constraints.	PO1, PO5, PO12
CO4	Create floors and ceilings, add roofs and curtain walls, and work with stairs and railings in a building model and create elevation, section, and 3D views.	PO1, PO5, PO12

Name of the Value-added Course: **Revit Architecture**

Date: **15/03/2021 to 09/04/2021, Venue: : DENNIS RECHIE LAB, Dept. of CE, VIIT.**

(Mr. V. Sudhir)
Course Coordinator

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Department of Electrical and Electronics Engineering

VALUE ADDED COURSE (2020-21)

COURSE INFORMATION SHEET

Date	22/04/2021 to 29/04/2021
Mode	ONLINE
Name of the event	Optimization Techniques and its application in Power System using MATLAB
Duration	48Hrs
Program	Bachelor of Technology, Electrical and Electronics Engineering
Year and semester	IV-year II Semester
Total number of students enrolled	69
Resource Person	**Dr. Jyothi Ranjan Nayak**

Course Coordinator
(Mrs.K.Sravanthi)

HoD-EEE

HOD EEE Dept
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

"OPTIMIZATION TECHNIQUES AND ITS APPLICATION IN POWER SYSTEM USING MATLAB"

SUMMARY REPORT

Name of the Resource Person : **Dr. Jyothi Ranjan Nayak**
Venue : **Online**
Date : 22/04/2021 to 29/04/2021

A Value Added Course for 4th year students of B.Tech was organized by the Department of Electrical and Electronics Engineering at Vignan's Institute of Information Technology from 22nd – 29thapril, 2021. The course was conducted on "Optimization Techniques And Its Application in Power System Using MATLAB". The resource person for the course is Dr. Jyothi Ranjan Nayak, Assistant Professor, Department of EEE, VIIT (A) and Coordinator is Mrs. K. Sravanthi, Assistant Professor, Department of EEE, VIIT (A). The course started on 22nd April, 2021 with the Welcome address by the Co-Ordinator and ended up with his concluding remarks on 29th April, 2021. A total of 69 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- To provide students with a basic knowledge and hands on experience in designing optimization technique-based models to solve different problems in power system.
- To understand in optimization in MATLAB software
- To implement different optimization techniques in power system using MATLAB

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	To implement optimized PID controller in MATLAB/Simulink.	PO1, PO6, PO7, PO9
CO2	To develop optimization algorithms to solve multi-objective problems.	PO1, PO6, PO7, PO9, PO12
CO3	To integrate optimization technique in power system to improve the power quality.	PO1, PO3, PO6, PO7, PO9, PO12

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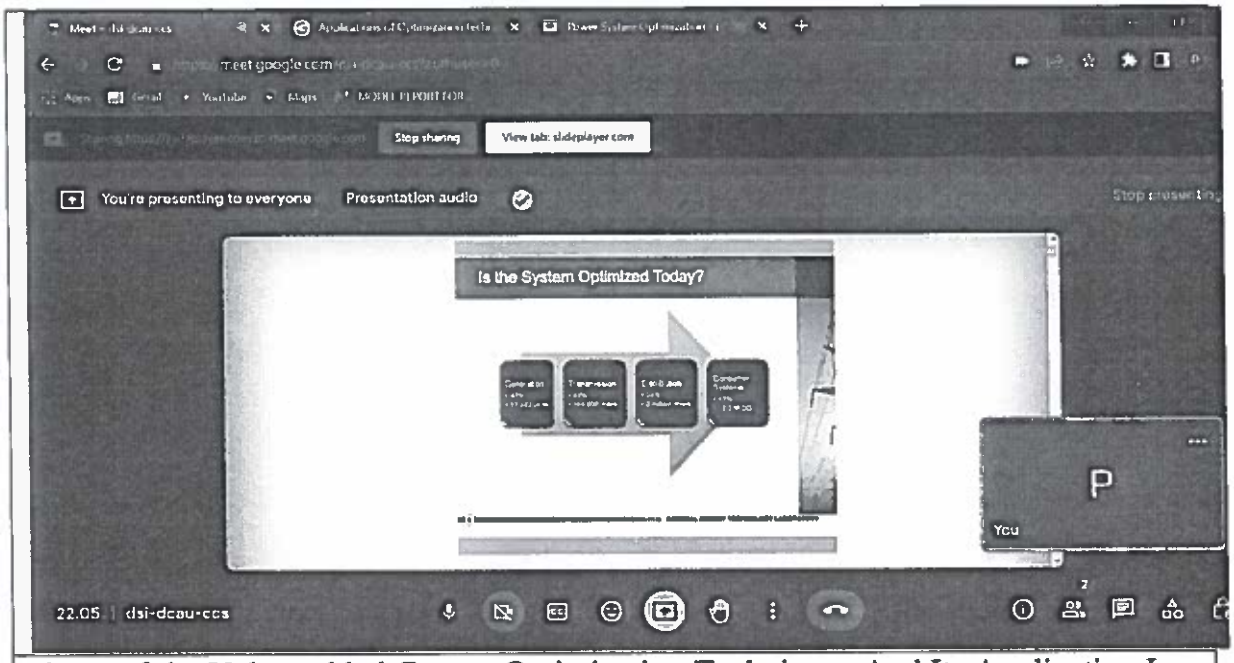

Name of the Value-added Course:Optimization Techniques And Its Application In Power System Using MATLAB
Dates :22/04/2021-29/04/2021
Mode :Online

(Mrs. K. Sravanthi)
Course Coordinator

HOD-EEE

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Department of Electrical and Electronics Engineering

VALUE ADDED COURSE (2020-21)

COURSE INFORMATION SHEET

Date	22/04/2021 to 29/04/2021
Mode	ONLINE
Name of the event	Optimization Techniques and its application in Power System using MATLAB
Duration	48Hrs
Program	Bachelor of Technology, Electrical and Electronics Engineering
Year and semester	IV-year II Semester
Total number of students enrolled	69
Resource Person	**Dr. Jyothi Ranjan Nayak**

Course Coordinator
(Mrs.K.Sravanthi)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

"OPTIMIZATION TECHNIQUES AND ITS APPLICATION IN POWER SYSTEM USING MATLAB"

SUMMARY REPORT

Name of the Resource Person : **Dr. Jyothi Ranjan Nayak**
Venue : **Online**
Date : 22/04/2021 to 29/04/2021

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Course Objectives:

- To provide students with a basic knowledge and hands on experience in designing optimization technique-based models to solve different problems in power system.
- To understand in optimization in MATLAB software
- To implement different optimization techniques in power system using MATLAB

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	To implement optimized PID controller in MATLAB/Simulink.	PO1, PO6, PO7, PO9
CO2	To develop optimization algorithms to solve multi-objective problems.	PO1, PO6, PO7, PO9, PO12
CO3	To integrate optimization technique in power system to improve the power quality.	PO1, PO3, PO6, PO7, PO9, PO12

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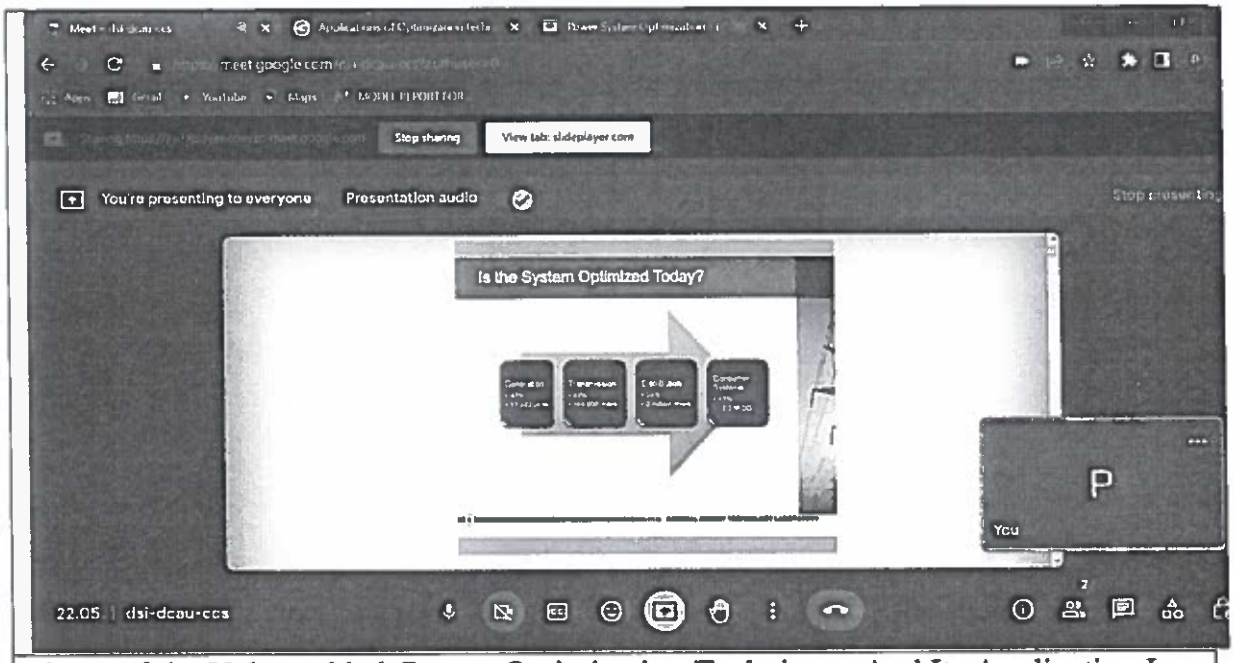

Name of the Value-added Course:Optimization Techniques And Its Application In Power System Using MATLAB
Dates :22/04/2021-29/04/2021
Mode :Online

(Mrs. K. Sravanthi)
Course Coordinator

HOD-EEE

HOD-EEE Dept.
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Duvvada, Visakhapatnam

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Department of Electrical and Electronics Engineering

VALUE ADDED COURSE (2020-21)

COURSE INFORMATION SHEET

Date	27/04/2021-03/05/2021
Mode	ONLINE
Name of the Course	AutoCAD for Electrical and Automation Engineering
Duration	42 Hrs
Program	Bachelor of Technology, Electrical and Electronics Engineering
Year and semester	II-year II semester
Total number of students enrolled	77
Resource Person	**Mr.A.V.Satyanarayana**

T. Rajesh
Course Coordinator
(Mr. T. Rajesh)

P. Sekhar
HOD-EEE
HOD-EEE Dept.
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Duvvada, Visakhapatnam 530 049

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

"AUTOCAD FOR ELECTRICAL AND AUTOMATION ENGINEERING"

SUMMARY REPORT

Name of the Resource Person : **Mr. A. V. Satyanarayana**
Venue : **ONLINE**
Date : 27/04/2021 to 03/05/2021

A Value-added course for 2nd Year Students of B Tech was organized by the Department of Electrical Electronics & Engineering at Vignan Institute of Information Technology from 27th April 2021 to 3rd may 2021. The course was conducted on "AUTOCAD FOR ELECTRICAL AND AUTOMATION ENGINEERING". The resource person for the course is Mr. A. V. Satyanarayana, Assistant Professor, VIIT. The course started on 27th April 2021 to 3rd may 2021.with the welcome address by the coordinator Mr.T.Rajesh, Assistant Professor and introductory remarks by the resource person. It ended on 3rd may 2021 with concluding remarks by the resource person. A total of 77 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

In this course, student will learn all about the AutoCAD Electrical toolset and toolbar options which helps you design PLC modules, panels, control cabinets, wiring diagrams, and more

Course Outcomes:

Upon completion of this course, the student will be able to:

COs	Course Outcomes	POs
CO1	Able to learn all practical knowledge required to become a professional design engineer.	PO1, PO6, PO7, PO9
CO2	Able to design the power and protection circuits.	PO1, PO6, PO7, PO9, PO12
CO3	Able implement different logic function with ladder logic	PO1, PO3, PO6, PO7, PO9, PO12

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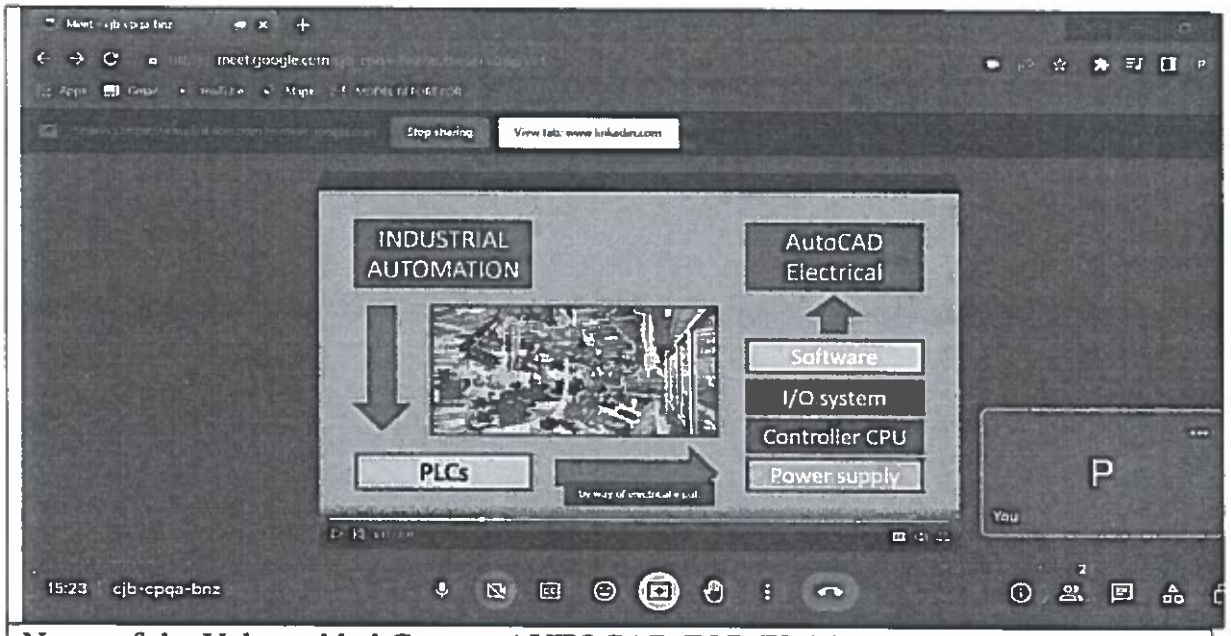

Name of the Value-added Course: AUTOCAD FOR ELECTRICAL AND AUTOMATION ENGINEERING
Date : 27/04/2021-03/05/2021
Mode : ONLINE

T. Rajesh
Course Coordinator
(Mr. T. Rajesh)

P. Sekhar
HOD-EEE
HOD-EEE Dept
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Department of Electrical and Electronics Engineering

VALUE ADDED COURSE (2020-21)

COURSE INFORMATION SHEET

Date	05/04/2021-10/04/2021
Venue	Power Electronics Lab, VIIT
Name of the event	Industrial Automation using PLC
Duration	36Hrs
Program	Bachelor Of Technology, Electrical and Electronics Engineering
Year and semester	IV-year IISemester
Total number of students enrolled	64
Total number of students successfully completed	64
Resource Person	**Dr. B. Arundhati**

Course Coordinator
(Mr.A.V.Satyanarayana)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

"INDUSTRIAL AUTOMATION USING PLC"

SUMMARY REPORT

Name of the Resource Person : **Dr. B ARUNDATHI**
Venue : **Power Electronics Lab, Main Block, VIIT (A)**
Date : 05/04/2021 to 10/04/2021

A Value-added course for 4th Year Students of B Tech was organized by the Department of Electrical & Electronics Engineering at Vignan Institute of Information Technology from 5th April 2021 to 10th April 2021. The course was conducted on "INDUSTRIAL AUTOMATION USING PLC". The resource person for the course is Dr. B Arundathi, Associate Professor, VIIT. The course started on 5th April 2021 to 10th April 2021 with the welcome address by the coordinator Mr. A.V.Satyanarayana, Assistant Professor and introductory remarks by the resource person. It ended on 10th April 2021 with concluding remarks by the resource person. A total of 64 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

This course is designed to teach the student about the basic knowledge on PLC programming for Industrial Automation. The PLC provided several advantages over earlier automation systems, while relay systems required complicated hardware changes in case of reconfiguration.

Course Outcomes:

Upon completion of this course, the student will be able:

COs	Course Outcomes	POs
CO1	To understand the concepts of Industrial Automation.	PO1, PO6, PO7, PO9
CO2	To get proficiency in Programmable Logic Controllers (PLC)	PO1, PO6, PO7, PO9, PO12
CO3	To design and implement real-world automation projects.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	To get prepared for Industrial automation-related careers.	PO1, PO3, PO6, PO7, PO9, PO12

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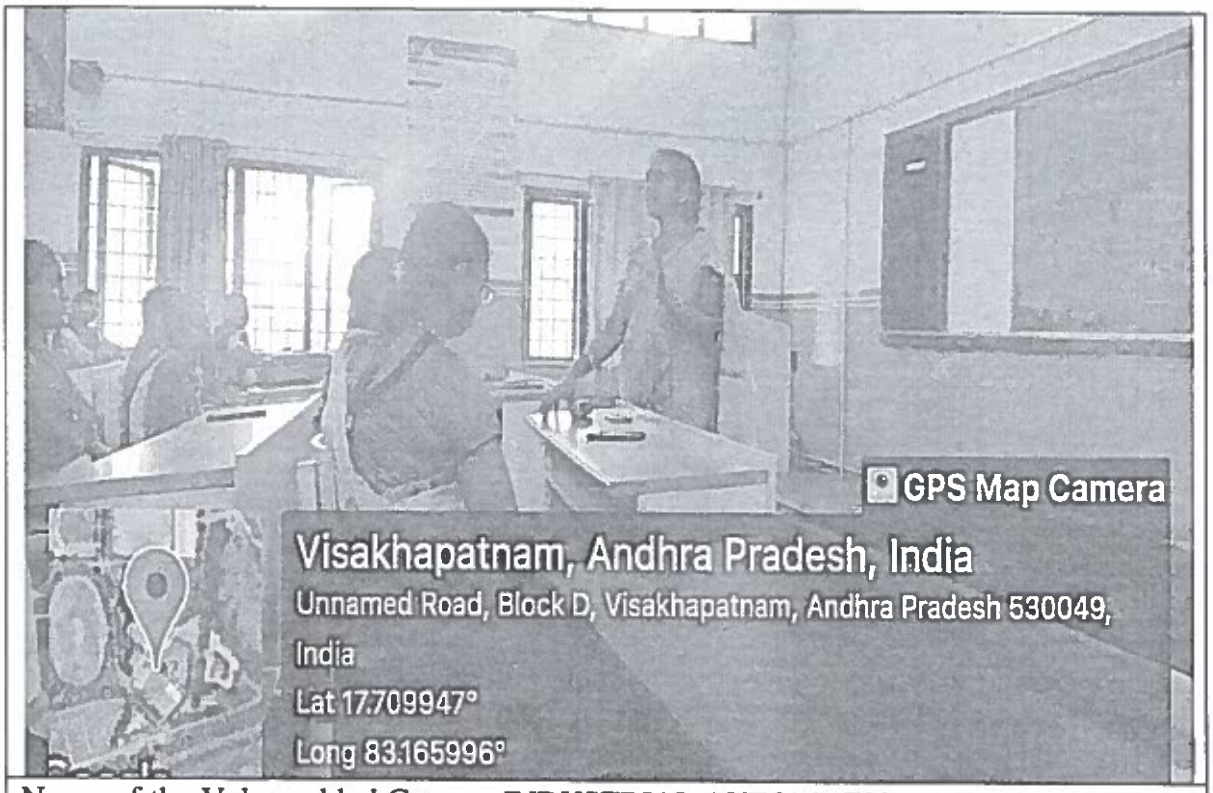

Name of the Value-added Course: INDUSTRIAL AUTOMATION USING PLC
Dates : 05/04/2021-10/04/2021
Venue : Power Electronics Lab

Course Coordinator
(Mr.A.V.Satyanarayana)

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Department Electrical and Electronics Engineering

VALUE ADDED COURSE (2020-21)

COURSE INFORMATION SHEET

Date	02/06/2021 - 13/06/2021
Mode	Online
Name of the Course	IoT Development with RaspberryPi
Duration	36 Hrs
Program	Bachelor Of Technology, Electrical and Electronics Engineering
Year and semester	III-year II semester
Total number of students enrolled	52
Resource Person	Dr. Pudi Sekhar

Course Coordinator
(Mr.A.V.Satyanarayana)

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Value Added Course

on

"IOT DEVELOPMENT WITH RASPBERRY PI"

SUMMARY REPORT

Name of the Resource Person : **Dr. PUDI SEKHAR**
Mode : **Online**
Date : 02/06/2021 to 13/06/2021

A Value-added course for 3rd Year Students of B Tech was organized by the Department of Electrical Electronics & Engineering at Vignan Institute of Information Technology from 2nd June 2021 to 13th June 2021. The course was conducted on **"IOT DEVELOPMENT WITH RASPBERRY PI".** The resource person for the course is **Dr. Pudi Sekhar,** Assistant Professor, VIIT. The course started on 2nd June 2021 to 13th June 2021.with the welcome address by the coordinator **Mr. A. V. Satyanarayana,** Assistant Professorand introductory remarks by the resource person. It ended on 13th June 2021 with concluding remarks by the resources person. A total of 52 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

This course enables the student focuses on hands-on IoT concepts such as sensing, actuation and communication. This course focusses on the Introduction of Industrial Internet of Things (IIOT), Fundamentals of M2M Communication, Overview of Mindsphere used in Industrial Automation, and Hands on projects based on Raspberry pi and Node red, Posting Data on Siemens Mindsphere

Course Outcomes:

Upon completion of this course, the student will be able to:

COs	Course Outcomes	POs
CO1	To collect and analyze telemetry from connected sensors, devices.	PO1, PO6, PO7, PO9
CO2	To identify the Components that forms part of IoT Architecture.	PO1, PO6, PO7, PO9, PO12
CO3	To analyze data from things (devices) that were previously disconnected from most data processing tools	PO1, PO3, PO6, PO7, PO9, PO12

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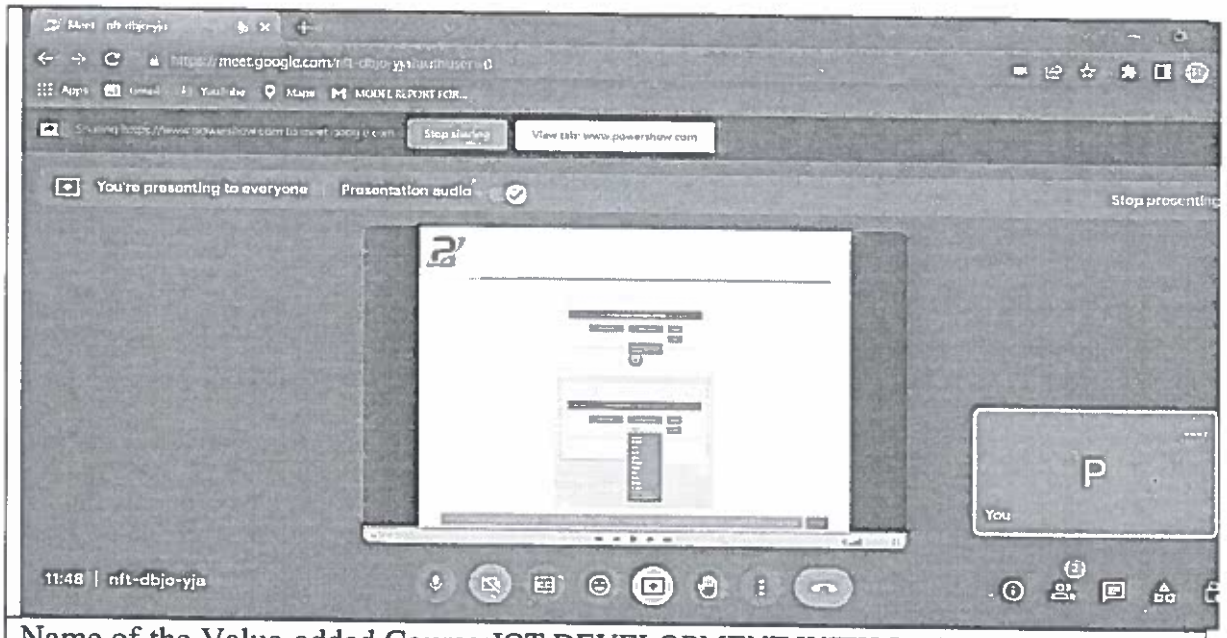

Name of the Value-added Course:IOT DEVELOPMENT WITH RASPBERRY PI
Dates :02/06/2021 to 13/06/2021
Mode :Online

Course Coordinator
(Mr.A.V.Satyanarayana)

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	24-08-2020 to 28-08-2020
Venue	Online
Name of the Course	Design of basic steel structures used in plant constructions.
Resource person	Mr. S. Sridhar
Duration	32 Hrs
Program	B.TECH
Year and Semester	IV-I
Total number of students enrolled	118
Total number of students successfully completed the course	118

(B. N. Dhanunjayarao)
Course Coordinator

HOD-ME

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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

On

"Design of basic steel structures used in plant constructions"

SUMMARY REPORT

Name of the Resource Person : Mr. S .Sridhar

Venue : online

Date : 24-08-2020 to 28-08-2020

A Value Added Course for 4th year students of B.Tech was organized by the Department of Mechanical at Vignan's Institute of Information Technology from 24th - 28th aug, 2020. The course was conducted on "Design of basic steel structures used in plant constructions". The resource person and Co-ordinator for the course is: Mr. S.Sridhar, Mr.B.N.dhanunjayarao ,Assistant Professor from the Department of Science mechanical engineering VIIT (A). The course started on 24 Aug 2020 with the Welcome address by the Co-ordinator and ended up with his concluding remarks on 28 Aug 2020. A total of 118 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

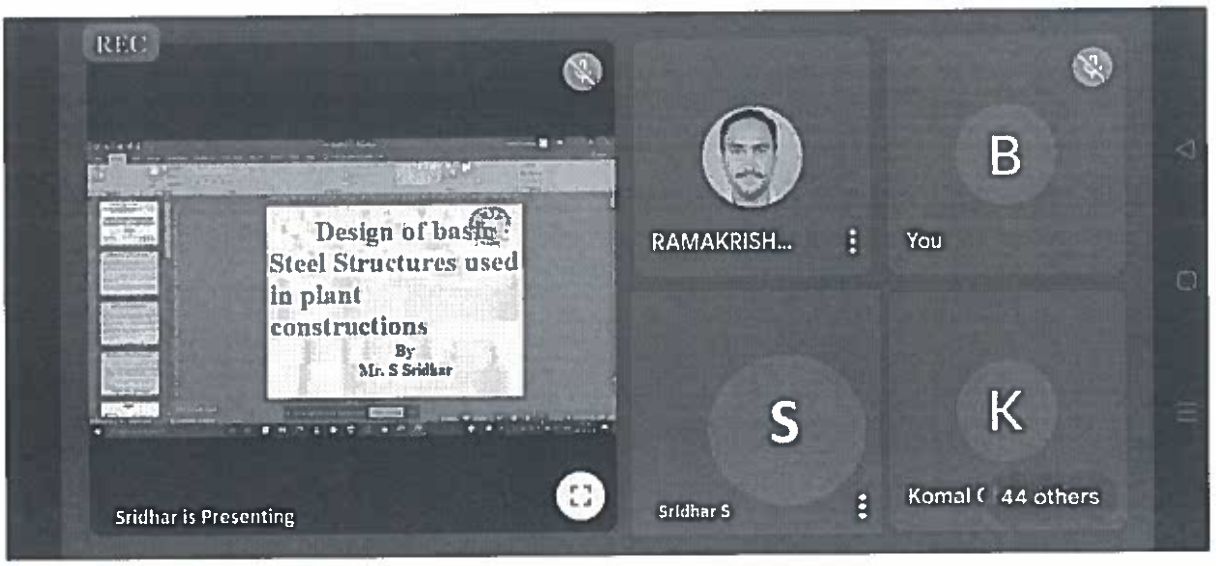
- To provide a coherent development to the students for the courses in sector of designing of the Steel Structures.
- To present the foundations of many basic Engineering concepts related design of Steel Structures.
- To give an experience in the implementation of engineering concepts which are applied in field of Steel Structures.
- To involve the application of scientific and technological principles of planning, analysis, design of buildings

Course Outcomes:

At the end of course the student ill be able to learn:

COs	Course Outcomes	POs
CO1	Implementation of Design of Steel Structures on engineering concepts which are applied in field Structural Engineering	PO1, PO3, PO6, PO7, PO9
CO2	Design of Steel engineering practices applied to real life problems	PO1,PO3, PO6, PO7, PO9

CO3	Theoretical aspects of design of Steel Structure along with the planning and design aspects.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	practical aspects of design of Steel Structure along with the planning and design aspects	PO1, PO3, PO6, PO7, PO9, PO12



Name of the value-added course : Design of basic steel structures used in plant constructions, **Date:** 24-08-2020 to 28-08-2020, **Venue:** Online mode.

(B. N. Dhanunjayarao)
Course Coordinator

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	2-06-2020 to 6-06-2020
Venue	Online
Name of the Course	Drafting of machine components using Auto-CAD
Duration	30 Hrs
Resource person	Mr. K. Harish Kumar
Program	B.TECH
Year and Semester	II-I
Total number of students enrolled	114
Total number of students successfully completed the course	114

(B. N. Dhanunjayarao)
Course Coordinator

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

On

"Drafting of machine components using Auto-CAD"

SUMMARY REPORT

Name of the Resource Person : Mr. K. Harish Kumar

Venue : Online

Date : 2-06-2020 TO 6-06-2020

A Value Added Course for 2nd year students of B.Tech was organized by the Department of mechanical at Vignan's Institute of Information Technology from 2th - 6th June 2020. The course was conducted on "Drafting of machine components using AutoCAD". The resource person and Co-ordinator for the course is: Mr. K. Harish Kumar, Mr.B.N.dhanunjayarao ,Assistant Professor from the Department of Science mechanical engineering VIIT (A). The course started on 2nd Jun2020 with the Welcome address by the Co-ordinator and ended up with his concluding remarks on 6th Jun 2020. A total of 114 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

1. create different wireframe primitives using parametric representations.
2. Create surface primitives using parametric modelling.
3. Create the different solid primitives using the different representation schemes.
4. Apply geometric transformations on the created wireframe, surface and solid models.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	create different wireframe primitives using parametric representations	PO1, PO5, PO9
CO2	Create surface primitives using parametric modelling.	PO1, PO5, PO9, PO12
CO3	Create the different solid primitives using the different representation schemes.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Apply geometric transformations on the created wireframe, surface and solid models.	PO1, PO3, PO6, PO7, PO12

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Name of the value-added course : Drafting of machine components using Auto-CAD,

Date: 2-06-2020 TO 6-06-2020, **Venue**: Online

(B. N. Dhanunjayarao)
Course Coordinator

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	03/11/2020 to 07/11/2020
Venue	Online
Name of the Course	Modelling of Machine parts using Fusion 360.
Resource person	Dr .K .S . Raghuram
Duration	30 Hrs
Program	B.TECH
Year and Semester	III- II
Total number of students enrolled	80
Total number of students successfully completed the course	80

Course Coordinator

(B. N. Dhanunjayarao)

Head of Department

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

on

Modeling of Machine parts using Fusion 360.

SUMMARY REPORT

Name of the Resource Person :**Dr. K.Raghuram**

Venue : **Online**

Date : 03/11/2020 to 07/11/2020

COURSE SUMMARY:

The course gives an overview of the modelling and simulation of machine parts and their assemblies using Fusion 360 software. Fusion 360 is the only tool that connects the entire product development process into a single CAD/CAM/CAE cloud-based platform. Fusion 360 is professional 3D CAD software by Autodesk. Unlike other professional solid-body 3D modelling software, this CAD program is strong in usability.

Course Objectives:

After completion of the course, students will be able

- Understanding of the computer aided modelling.
- Knowledge of part drawing and assembly modelling.
- Experience of simulation of various machine components.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Convey the technical information in an industrial drawing.	PO1, PO6, PO7, PO9
CO2	Design their product from idea to prototype.	PO1, PO6, PO7, PO9, PO12
CO3	Know, identify, interpret and apply the current standards on Industrial Technical Drawing.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Convey the technical knowledge to real time applications.	PO1, PO3, PO6, PO7, PO9, PO12

(Mr B. N. Dhanunjayarao)

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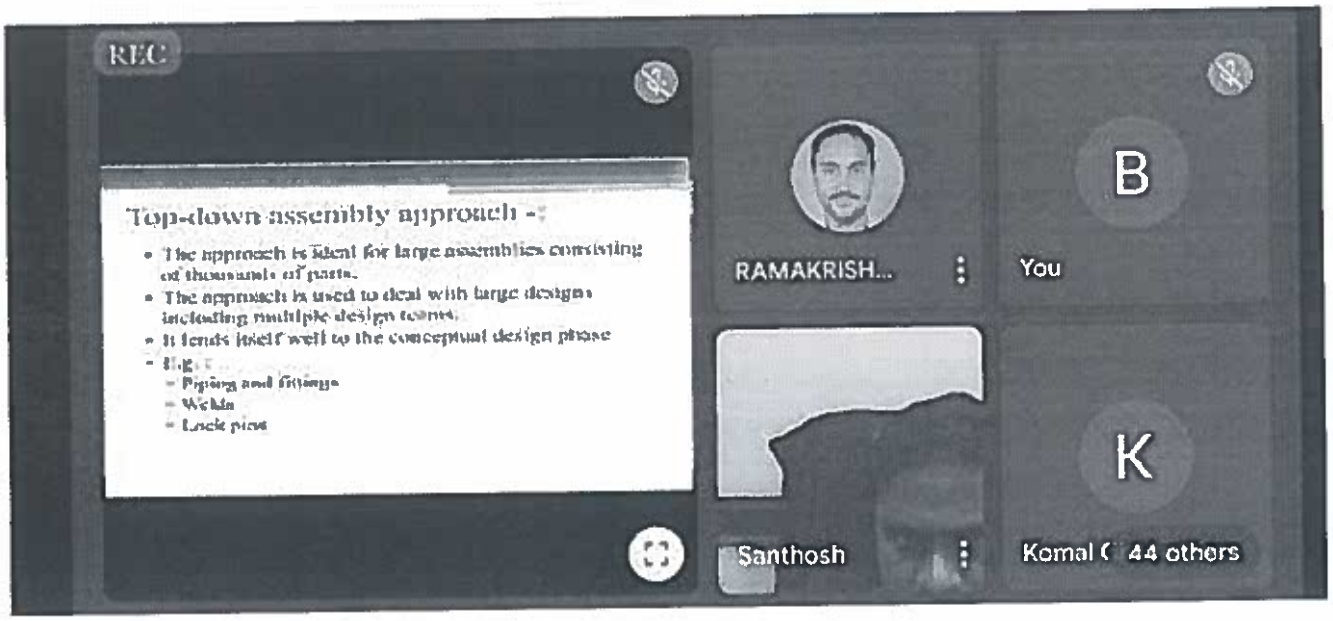
Head of Department

Course Coordinator



Name of the Value-added Course: Modelling of machine parts using Fusion 360, Date: **03/11/2020 to 07/11/2020, Venue: Online mode.**

(B. N. Dhanunjayarao)
Course Coordinator

Head of Department

VIGNAN'S INSTITUTE OF
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Gajuwaka, Visakhapatnam-49

DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	21/09/2020 to 25/09/2020
Venue	Online
Name of the Course	Design Pre-Engineered building steel structures used in green belt companies.
Resource Person	Mr . S. Sridhar
Duration	35 Hrs
Program	B.TECH
Year and Semester	IV - I
Total number of students enrolled	119
Total number of students successfully completed the course	119

(B. N. Dhanunjaya Rao.)
Course Coordinator

H.O.D

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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

on

"Design Pre-Engineered building steel structures used in green belt companies"

SUMMARY REPORT

Name of the Resource Person : **Mr. S . Sridhar**

Venue : Online mode

Date : 21/9/2020 to 25/9/2020

This course is designed to enable Mechanical engineer graduates at par with industry required skills, based on Brown belt companies & Green belt companies. This program is with respective to emerging and latest technologies (engineering software's) applied in present industries, Hence, for the Industries are furtherly categorized as domains with area of disciplines (AOD's) and area of expertise (AOD's). Design of PEB steel structural prepares the students on design of Steel structural & PEB industries and make himself eligible to the design of PEB steel structural industries, with terminologies knowledge with AOD's concepts like Execution, planning, procurement, erection, scheduling, QA/QC – testing and safety related in each domain in brown belt companies. And practicing on latest emerging technologies like SDS2/Tekla, software tools from which the deliverables are preparation of models, analysis, and detail drawings, (constructions, execution drawings), generating BOQ's for green belt companies this course aims to focus the students to meet out the industrial needs and to bridge the gap between institution and Industry.

Course Objectives:

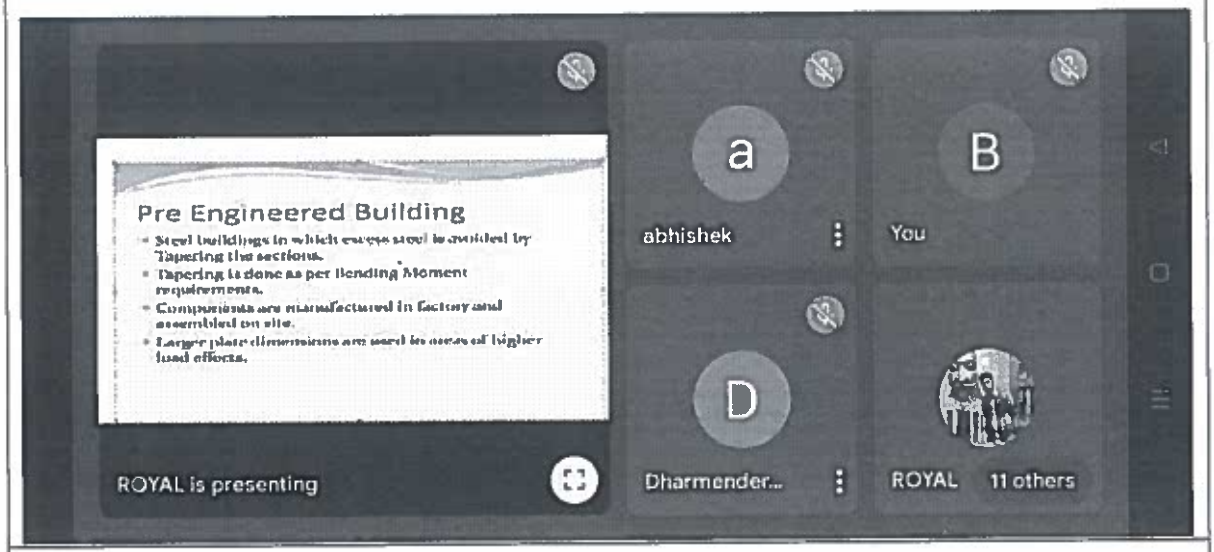
- To make the students enable at par to Industry aligned companies.
- To make the students enable to validate and bench marking their experience.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Prepare detailing engineering drawings for all Design engineer for PEB steel structural.	PO1, PO6, PO7, PO9
CO2	Analyze AOE's deliverables for all Design engineer for PEB steel structural.	PO1, PO6, PO7, PO9, PO12

CO3	Explain about integration AOD's.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Demonstrate AOE's in respective design engineer for PEB steel structural.	PO1, PO3, PO6, PO7, PO9, PO12



Name of the Value-added Course: Design Pre-Engineered building steel structures used in green belt companies, Date: **21/9/2020 to 25/9/2020, Venue: Online mode**

(B.N.Dhanunjayarao)

Course Coordinator

Head of Department

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	01/07/2020 to 5/7/2020
Venue	Online mode
Name of the Course	Modelling using NX on 3D Experience platform
Duration	30 Hrs
Program	B.TECH
Year and Semester	III - I
Resource Person	Mr. K Harish Kumar, Assistant Professor
Total number of students enrolled	78
Total number of students successfully completed the course	78

(B. N. Dhanunjayarao)
Course Coordinator

HOD-ME

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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

on

"Modelling using NX on 3D experience platform"

SUMMARY REPORT

Name of the Resource Person :**Mr. K. Harish Kumar**

Venue :**Online mode**

Date : 01/07/2020 to 05/07/2020

A Value Added Course for 1st year students of B. Techwas organized by the Department of MECHANICAL at Vignan's Institute of Information Technology from 1st - 5th JULY, 2020. The course was conducted on "Modelling using NX on 3D Experience platform". The resource person for the course isMr. K. Harish Kumar Assistant Professor from the Department of mechanical engineering, VIIT (A). The course started on 1st July 2020 with the welcome address by the co-ordinator and ended up with her concluding remarks on 5th July 2020. A total of 78 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- Students will acquire the knowledge needed to complete the process of designing models
- Experience of simulation of various components
- Knowledge of part drawing and assembly modelling

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Students will acquire knowledge needed to complete the process of design models	PO1, PO6, PO7, PO9
CO2	Convey the technical information in an industrial drawing	PO1, PO6, PO7, PO9, PO12
CO3	Differentiate the various factors determining the usage of industrial drawing	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Analyse the design parameters of machine components	

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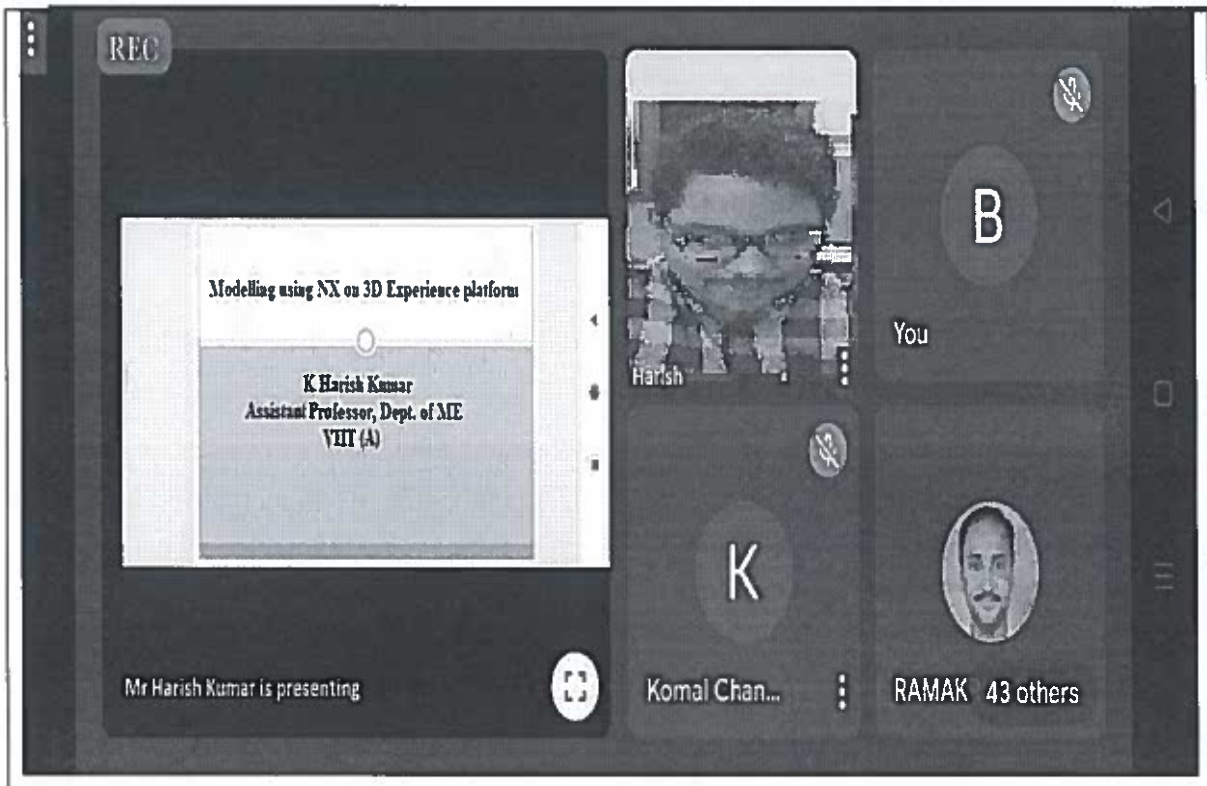

Name of the Value-added Course:**Modelling using NX on 3D experience platform,**
Date:**01/07/2020 to 05/07/2022, Venue: Online**

(B. N. Dhanunjayarao)
Course Coordinator

HOD-ME

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	5/10/2020-9/10/2020
Venue	Online mode
Name of the Course	Automation of automobile industries using advanced robotics
Duration	30 Hrs
Program	B.TECH
Year and Semester	II - II
Resource Person	V. Naga Sudha, Assistant Professor, VIIT
Total number of students enrolled	110
Total number of students successfully completed the course	110

(B. N. Dhanunjayarao)
Course Coordinator

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VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY
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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

on

"Automation of automobile industries using advanced robotics"

SUMMARY REPORT

Name of the Resource Person: Mrs. V. Naga Sudha

Venue: : Online mode

Date: : 05/10/2020 to 09/10/2020

A Value Added Course for 2ND year students of B.Tech was organized by the Department of MECH at Vignan's Institute of Information Technology from 05thto 09th Oct, 2020. The course was conducted on **"Automation of automobile industries using advanced robotics"**. The resource person for the course is Mrs. V. Naga Sudha, Assistant Professor from the Department of mechanical engineering, VIIT (A). The course started on 05th Oct 2020 with the welcome address by the Co-ordinator and ended up with her concluding remarks on 09th Oct 2020. A total of 110 students participated and completed the course. The overall feedback from the participants was very good.

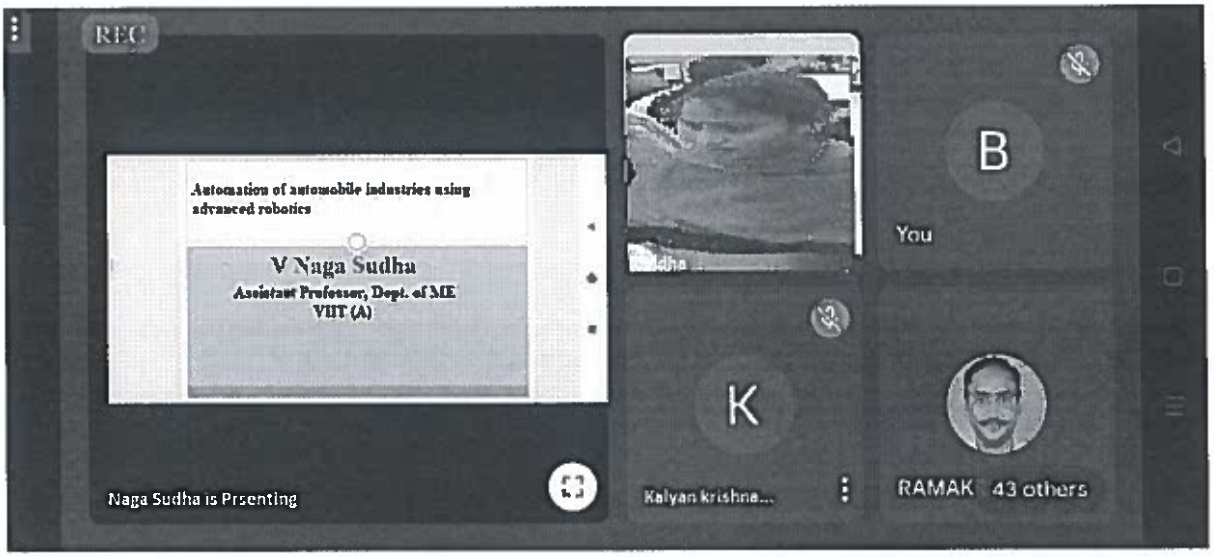
Course Objectives:

- To List the role and responsibilities of an Automation and Robotics Engineer.
- Discuss the job opportunities for an Automation and Robotics Engineer in the automobile industry.
- Explain about Indian automobile manufacturing market.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	List various automobile Original Equipment Manufacturers (OEMs)	PO1, PO6, PO7
CO2	Identify different products/ models manufactured	PO6, PO7, PO12
CO3	Discuss manufacturing and automotive product design standards	PO1, PO6, PO7
CO4	Analyze the procedures followed in the company	PO1, PO6, PO7



Name of the Value-added Course: **Automation of automobile industries using advanced robotics,** Date: 05/10/2020 to 09/10/2020, **Venue: Online mode**

(B. N. Dhanunjayarao)
Course Coordinator

HOD-ME

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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	16/6/2020/ to 20/6/2020
Venue	Online mode
Name of the Course	DEFECT FINDING USING NON-DESTRUCTIVE TESTING TECHNIQUES- INDUSTRIES APPROACH
Resource Person	Mr. B. N. Dhanunjaya Rao
Duration	30 Hrs
Program	B.TECH
Year and Semester	III - I
Total number of students enrolled	82
Total number of students successfully completed the course	82

(K. Harish Kumar)
Course Coordinator

Head of Department

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DEPARTMENT OF MECHANICAL ENGINEERING

Value Added Course

on

DEFECT FINDING USING NON-DESTRUCTIVE TESTING TECHNIQUES – INDUSTRIES APPROACH

SUMMARY REPORT

Name of the Resource Person : **Mr. B. DHANUNJAYA RAO**

Venue : Online

Date : 16/6/2020 to 20/6/2020

Non-destructive testing (NDT) is used across industries such as aerospace, oil and gas, nuclear, power generation, medical, rail and general manufacturing to name a few. It is a crucial aspect of quality control and ultimately health and safety. NDT courses give a comprehensive understanding of the processes where tests are conducted on a component without destroying the item or its structure. NDT is intended to be used as a platform to the students to understand the importance, capabilities and applications of NDT to the industries.

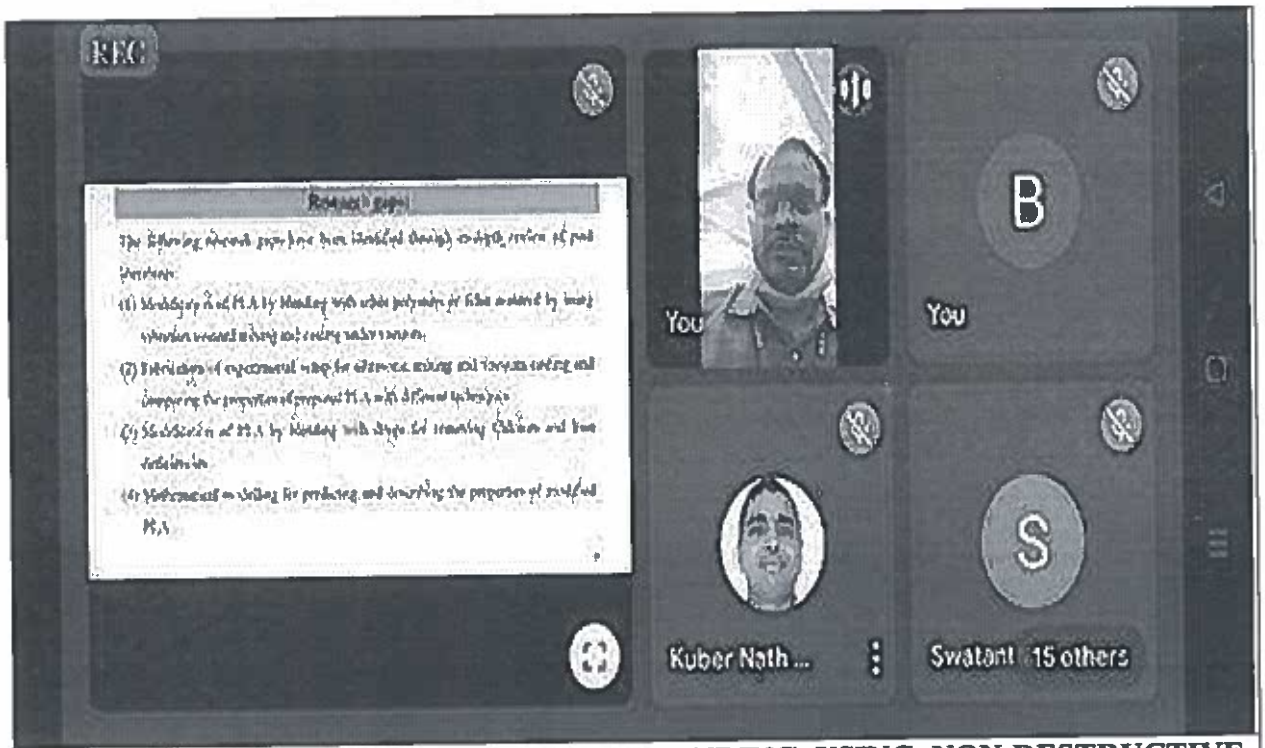
OBJECTIVE OF THE COURSE:

- To provide students with a strong knowledge of terms, concepts, principles etc. involved in non-destructive testing.
- To develop knowledge and skills for interpretation and evaluation of the results.
- To offer environment to enhance team essential skills for effective careers in the inspection profession.

OUTCOMES OF THE COURSE:

- Ability to understand the basic theory and principles of NDT methods.
- Understand the scope and limitations of the techniques and methods and use of appropriate measurement techniques to collect data.
- Ability to set-up, calibrate the equipment's and to conduct the testing independently.
- Demonstrate the ability to organize and report the results of the test.

COs	Course Outcomes	POs
CO1	Understand Key technologies regarding Non Destructive Techniques	PO1, PO6, PO7, PO9
CO2	Categorize types of Non Destructive Techniques	PO1, PO6, PO7, PO9, PO12
CO3	Compare the usage of various technologies.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Differentiate the various factors determining the usage of NDT	PO1, PO3, PO6, PO7, PO9, PO12



Name of the Value-added Course: **DEFECT FINDING USING NON-DESTRUCTIVE TESTING TECHNIQUES – INDUSTRIES APPROACH,** Date: **16/6/2020 to 20/6/2020, Venue: Online mode.**

(K. HARISH KUMAR)
Course Coordinator

HOD-ME

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	**02-06-21 TO 12-06-21**
Venue	Online Platform
Name of the Course	ENGLISH FOR SPECIFIC PURPOSE
Name of the resource Person	Dr. K.G.B. Santhosh Kumari, Associate Professor
Duration	30 Hrs
Program	B-Tech
Year and Semester	IV-II
Total number of students enrolled	71
Total number of students successfully completed the course	71

Coordinator

HOD-ECE

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DUVVADA, VISAKHAPATNAM

DEPARTMENT
OF
ELECTRONICS AND COMMUNICATION ENGINEERING
Value Added Course
On
"ENGLISH FOR SPECIFIC PURPOSE"
SUMMARY REPORT

Name of the Resource Person : Dr. K.G.B. Santhosh Kumari

Venue : Dharithi Block, VIIT

Date : 02-6-21 TO 12-06-21

In this course students will read, analyze and interpret materials from general and technical fields. They will practice reading, writing, listening and speaking skills related to a wide range of contemporary and relevant topics.

Course Objectives:

- To introduce students to the specific use of English for Technical Communication.
- To develop the overall English proficiency of students and enable them to function effectively in different professional contexts.
- To strengthen student skills in the areas of reading, writing, listening and speaking and enable them to function effectively in their professional sphere.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	To read, understand and interpret material on Environment, Science and Technology, Tourism, Energy Sources, Social Awareness	PO1, PO6, PO7, PO9
CO2	To analyse the functions of language and grammar in spoken and written forms.	PO1, PO6, PO9, PO10, PO12
CO3	To write effectively on various domains	PO1, PO10, PO12

(a) One to One interaction with students to identify communication gaps

Name of the Value-added Course: **ENGLISH FOR SPECIAL PURPOSE**, Date: **2/06/2021 to 12/06/2021, Venue: Online Platform**

Course Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	**02-04-21 TO 16-04-21**
Venue	Virtual Mode
Name of the Course	Introduction to MATLAB PROGRAMMING
Name of the resource Person	Mr. T. Ajay, Assistant Professor
Duration	32 Hrs
Program	B-Tech
Year and Semester	II-II
Total number of students enrolled	67
Total number of students successfully completed the course	67

Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course
On
INTRODUCTION TO MATLAB PROGRAMMING

SUMMARY REPORT

Name of the Resource Person : **T. AJAY**

Venue : **Department of ECE, VIIT**

Date : **02-04-21 TO 16-04-21**

MATLAB is a programming language developed by Math Works. It started out as a matrix programming language where linear algebra programming was simple. It can be run both under interactive sessions and as a batch job. This tutorial gives you aggressively a gentle introduction of MATLAB programming language. It is designed to give students fluency in MATLAB programming language. Problem-based MATLAB examples have been given in simple and easy way to make your learning fast and effective.

Course Objectives:

MATLAB is designing is an integral part of each electronics products and this course is designed to make students capable to simulate their own projects through a powerful software packages and enhance the student knowledge up to industrial grade

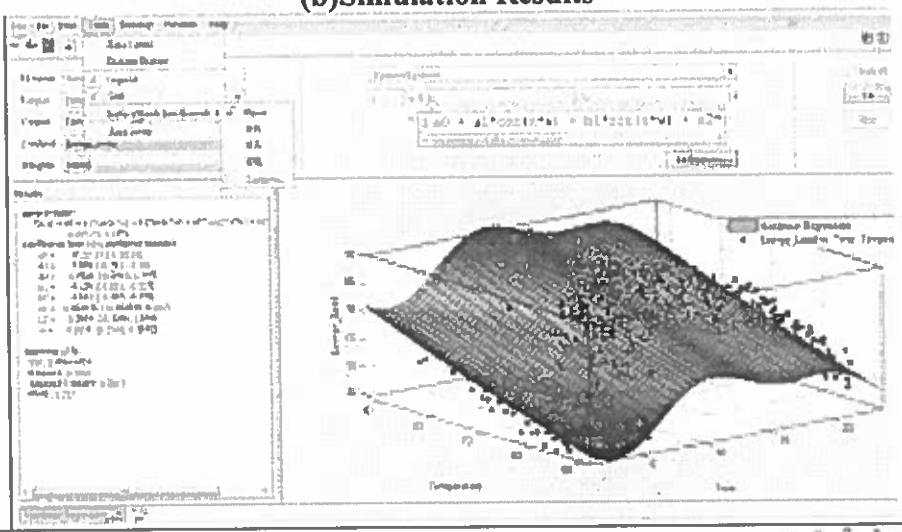
Course Outcomes:

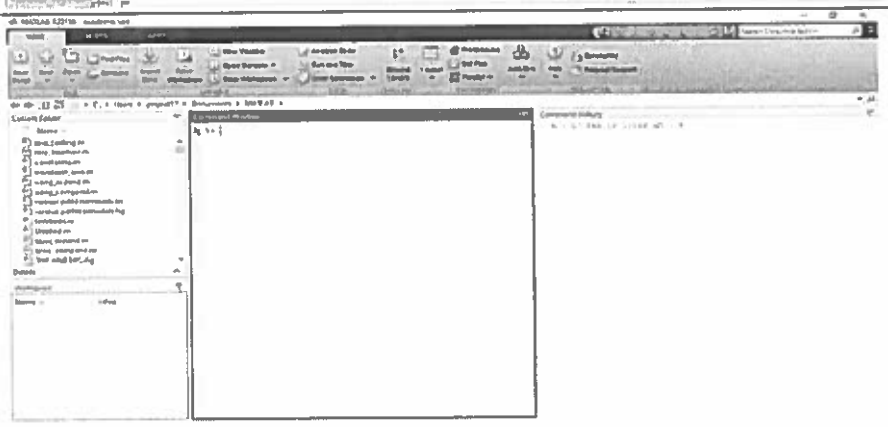
At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Understand the basics of MATLAB.	PO1, PO2, PO9
CO2	Break a complex task up into smaller, simpler tasks	PO1, PO3, PO9, PO12
CO3	Perform the Case Study, fuzzy logic (Any two Modules)	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Design the simple communication circuits to evaluate their performance	PO1, PO2, PO6, PO9, PO12

(a)Virtual interaction with participants

(b)Simulation Results





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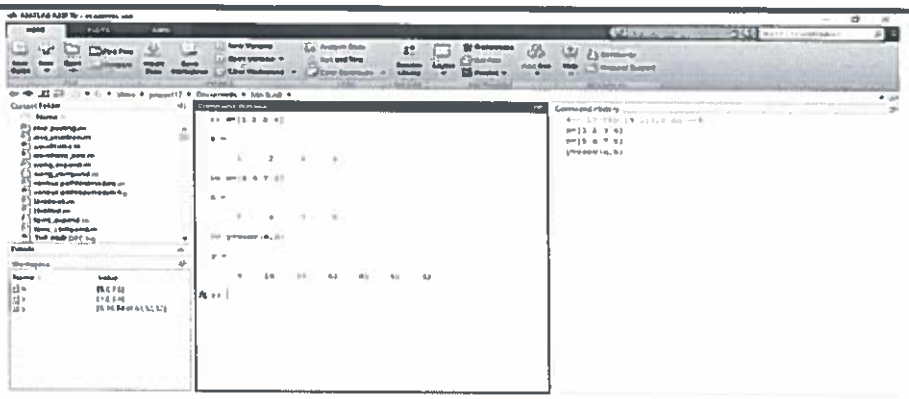

Name of the Value-added Course: **INTRODUCTION TO MATLAB PROGRAMMING,** Date: **02-04-21 TO 16-04-21, Venue: Virtual Mode**

Course Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	**02-04-21 to 11-04-21**
Venue	Virtual Mode
Name of the Course	DESIGN OF MIMO ANTENNA
Name of the resource Person	Dr. Sourav Roy, Associate Professor
Duration	32 Hrs
Program	B-Tech
Year and Semester	III-II
Total number of students enrolled	62
Total number of students successfully completed the course	62

Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

On

DESIGN OF MIMO ANTENNA

SUMMARY REPORT

Name of the Resource Person : **Dr. Sourav Roy**

Venue : **Virtual Mode**

Date : **02-04-21 to 11-04-21**

The Course on Antenna Domain is a forum for exchanging information on the progress of research and development in innovative antenna technology. This proposed workshop aims to impart empirically (quantitative and qualitative) research skills to conceptualize and build a research concept on a recent trend in the MIMO Antenna domain. It gives participants from academic institutions an opportunity to get familiar with design, simulation, and measurement of MIMO antennas etc. The program also collaborates with the industry and academic people to identify the antenna domain's research gap to fulfil the upcoming communication necessity. Thus, the main objective is to identify the most recent techniques of MIMO antenna design prospects and how to start the research

Course Objectives:

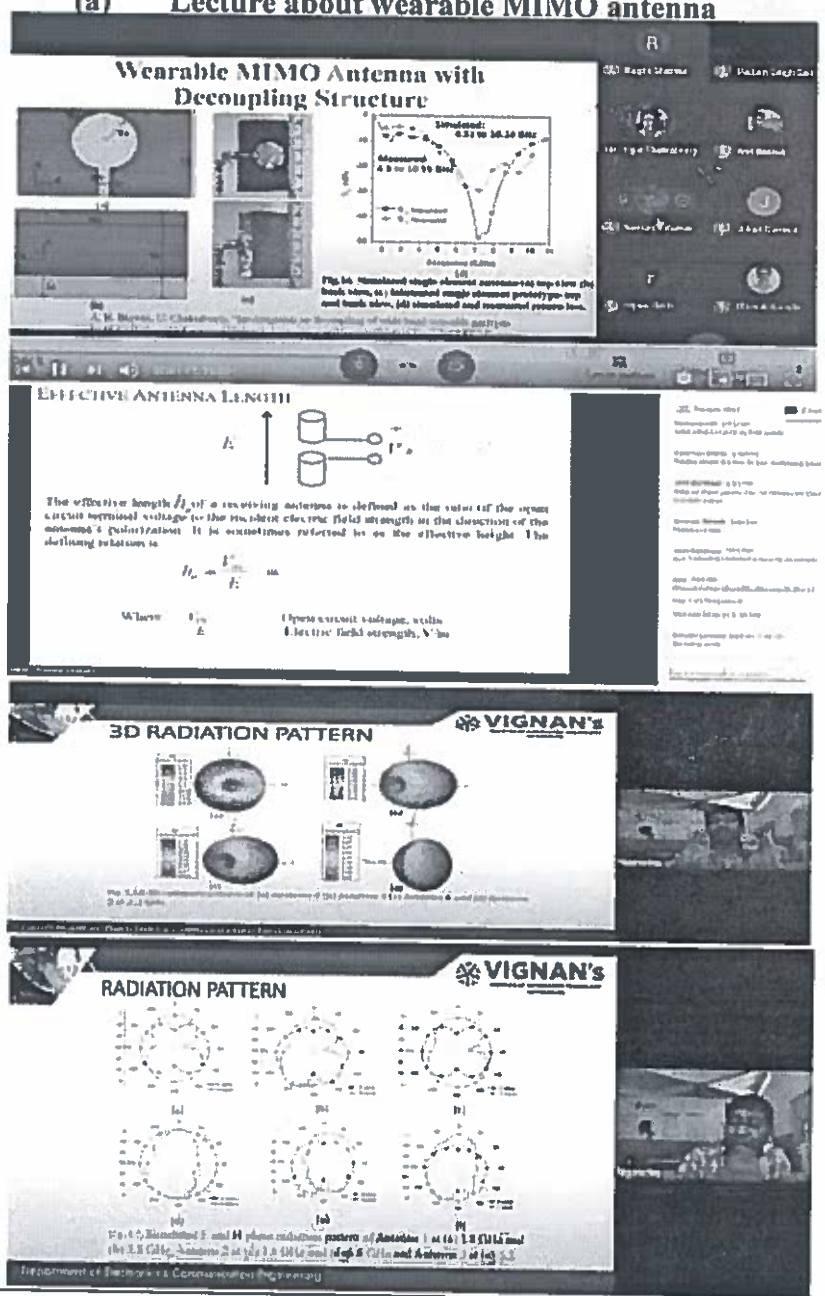
1. To create an awareness about the Upcoming Technology.
2. To Understand the MIMO Antenna Technology.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Learn the MIMO Technology	PO1, PO3, PO5,PO6, PO9
CO2	Design Parameters and challenges in MIMO Antenna	PO1,PO3,PO5, PO6, PO9, PO12
CO3	Analysis of MIMO Antenna	PO1, PO2,PO3, PO6, PO9, PO12
CO4	Advantage of MIMO Antenna	PO1, PO3, PO6, PO7, PO9, PO12

(a) Lecture about wearable MIMO antenna



Online Presentation During Course for the Value-added Course: **DESIGN OF MIMO ANTENNA**, Date: **02-04-21 to 11-04-21**, Venue: **Virtual Mode**

Course Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	**08-07-21 to 19-07-2021**
Venue	Virtual Mode
Name of the Course	Introduction to PCB Design
Name of the resource Person	Mrs. M. KARUNA, Associate professor
Duration	32 Hrs
Program	B-Tech
Year and Semester	II-I
Total number of students enrolled	67
Total number of students successfully completed the course	67

Coordinator

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added Course

On

Introduction to PCB Design

SUMMARY REPORT

Name of the Resource Person : Mrs. M. Karuna

Venue : Online-mode

Date : 08-07-21 to 19-07-2021

This course is designed to educate the student the purpose, uses, and basic applications of the PCB Design; Printed circuit board is the most common name but may also be called "printed wiring boards" or "printed wiring cards". Before the advent of the PCB circuits were constructed through a laborious process of point-to-point wiring. This led to frequent failures at wire junctions and short circuits when wire insulation began to age and crack. A PCB allows signals and power to be routed between physical devices. Solder is the metal that makes the electrical connections between the surface of the PCB and the electronic components.

Course Objectives:

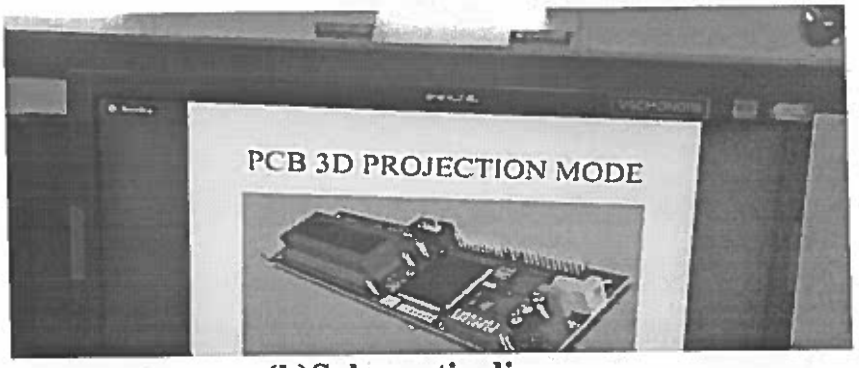
PCB (Printed Circuit Board) designing is an integral part of each electronics products and this course is designed to make students capable to design their own projects through a powerful software packages and enhance the student knowledge up to industrial grade.

Course Outcomes:

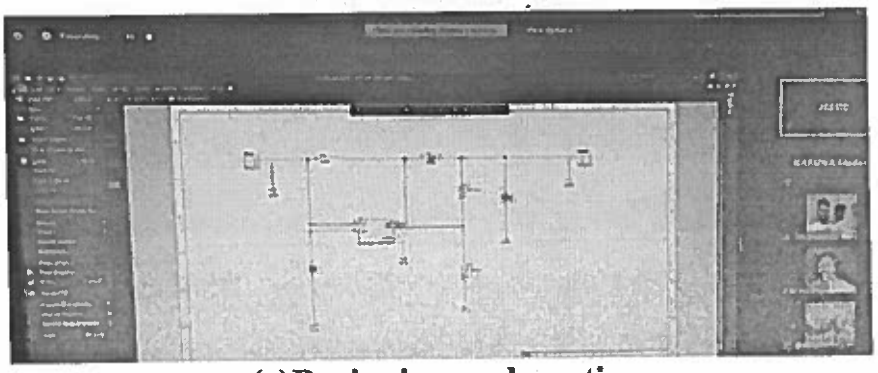
At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Create the new applications in areas of IoT.	PO1, PO6, PO9
CO2	Develop the Cloud Sensor Networks by using Internet of things and mobile devices	PO1, PO3, PO9, PO12
CO3	Choose building blocks of Internet of Things and cloud monitoring using mobile and Arduino platform.	PO1, PO3, PO6, PO9, PO12

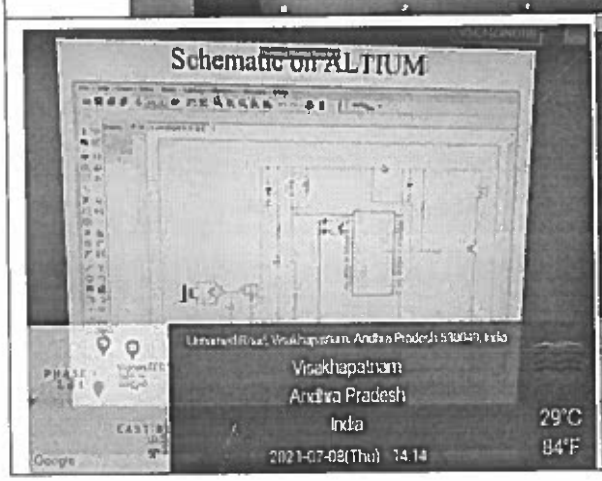
(a)Virtual interaction with participants

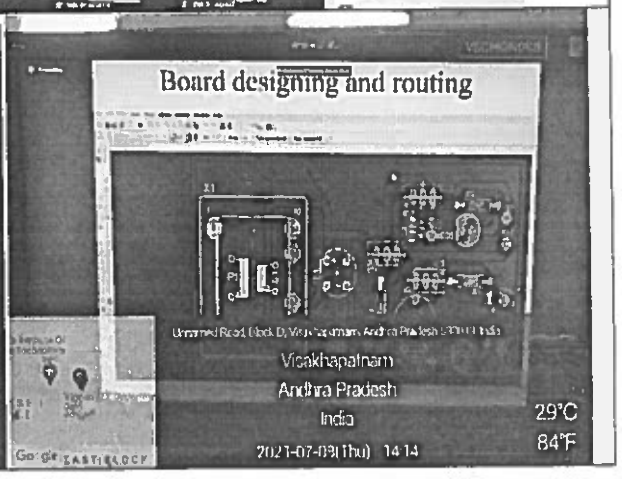


(b)Schematic diagrams



(c)Designing and routing





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Name of the Value-added Course: **Introduction to PCB Design,** Date: 08-07-21 to 19-07-2021**, Venue: Virtual Mode**

Course Coordinator

HOD-ECE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DETAILS OF VALUE ADDED COURSE 2020-21

COURSE INFORMATION SHEET

Date	7.12.2020 to 16.12.2020
Venue	AKCNB, Main Block, VIIT
Name of the Course	Introduction to MongoDB
Name of the Resource Person	Mr. Mohan Mahanty
Duration	32 Hours
Program	B.Tech
Year & Semester	IV Year – I Semester
Number of Students registered	241
Number of Students cleared the course	241

COURSE CO-ORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"INTRODUCTION TO MONGODB"

From 7.12.2020 to 16.12.2020

Resource Person	Mr. Mohan Mahanty
Duration	32 Hrs
Year & Semester	IV- I
Venue	AKCNB, Main Block, VIIT

COURSE SUMMARY:

The course provides students how to set up their database and start exploring different ways to search, create, and analyze your data with MongoDB. This course also explores database performance basics, and discovers how to get started with creating applications and visualizing your data.

OBJECTIVE OF THE COURSE:

The objective of the course is to make the students will get an understanding of NoSQL databases, design goals, requirement of NoSQL database/ MongoDB, MongoDB® architecture and introduction to JSON and BSON among others. This module will also cover the installation of MongoDB® and associated tools.

OUTCOMES OF THE COURSE:

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

COs	Course Outcomes	POs
CO1	Create and manage different types of indexes in MongoDB for query execution	PO1, PO2,PO3,PO5,PO12
CO2	Analyze unstructured data in MongoDB and develop skills for processing huge amounts of data using MongoDB tools	PO2,PO3
CO3	Create single and multikey indexes, as well as how to delete indexes.	PO1,PO2,PO3,PO5,PO12
CO4	Develop expertise writing Java and NodeJS applications using MongoDB	PO1,PO2,PO5,PO12

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PHOTOGRAPHS

Name of the Course: Introduction to MongoDB

Date: 7.12.2020 to 16.12.2020

Venue: AKCNB, Main Block, VIIT

Course Co-ordinator

HoD - CSE

HOD-
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DETAILS OF VALUE ADDED COURSE 2020 – 21

COURSE INFORMATION SHEET

Date	6.4.2021 to 12.4.2021
Venue	Tim Berner's Lee Lab, Main Block, VIIT
Name of the Course	ANDROID APPLICATION DEVELOPMENT
Name of the Resource Person	Mr.Ch. Avinash, APSSDC
Duration	36 Hours
Program	B.Tech
Year & Semester	II Year – II Semester
Number of Students Registered	46
Number of Students cleared the course	46

COURSE CO-ORDINATOR

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"ANDROID APPLICATION DEVELOPMENT"

From 6.4.2021 to 12.4.2021

Resource Person	Mr.Ch. Avinash APSSDC
Duration	36 Hrs
Year & Semester	II - II
Venue	Tim Berner's Lee Lab, Main Block, VIIT

COURSE SUMMARY:

Mobile Apps have become an irreplaceable part of human life today. Now-a-days, everyone owns a smartphone and they do several activities with the help of their smartphones such as making payments, ordering groceries, playing games, chatting with friends and colleagues etc. There is huge demand in the market for development of android apps. Google's CEO Sundar Pichai's has taken the initiative to train 2 million people to become android developers as this platform has a huge demand.

OBJECTIVE OF THE COURSE:

To enable the faculty/students of Engineering Colleges to develop android apps.

OUTCOMES OF THE COURSE:

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

COs	Course Outcomes	POs
CO1	Apply their understanding of the fundamentals of Android operating systems.	PO1, PO2,PO12
CO2	Demonstrate their skills of using Android software development tools.	PO4,PO5
CO3	Develop software with reasonable complexity on mobile platform.	PO1,PO2,PO3,PO5, PO12
CO4	Deploy software to mobile devices.	PO1,PO3,PO5,PO12

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PHOTOGRAPHS:

Name of the Course: ANDROID APPLICATION DEVELOPMENT

Date: 6.4.2021 to 12.4.2021

Venue: Tim Berner's Lee Lab, Main Block, VIIT

Course Co-ordinator

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HOD - CSE

HOD-CSE
Vignan's Institute of Information Technology (A)
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DETAILS OF VALUE ADDED COURSE 2020 – 21

COURSE INFORMATION SHEET

Date	6.4.2021 to 19.4.2021
Venue	Youtube Live Session
Name of the Course	CCNA - INTRODUCTION TO NETWORKS
Name of the Resource Person	Mr. D Bhanu Prakash
Duration	42 Hours
Program	B.Tech
Year & Semester	III Year – II Semester
Number of Students Registered	172
Number of Students cleared the course	172

COURSE CO-ORDINATOR

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"CCNA - INTRODUCTION TO NETWORKS"

From 6.4.2021 to 19.4.2021

Resource Person	Mr. D Bhanu Prakash
Duration	42 Hrs
Year & Semester	III - II
Venue	Youtube Live Session

COURSE SUMMARY:

This course introduces the structure, functions, components and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation basefor the curriculum. By the end of the course, students will be able to build simple LANs, performbasic configurations for routers and switches, and implement IP addressing schemes.

OBJECTIVE OF THE COURSE:

Developing a working knowledge of IP addressing schemes, foundational network security, and to enable students to perform basic configurations for routers and switches.

OUTCOMES OF THE COURSE:

Upon completion of this course, students will be able to:

COs	Course Outcomes	POs
CO1	Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.	PO1, PO2,PO3,PO12
CO2	Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.	PO1,PO2,PO3,PO4,PO5, PO12
CO3	Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.	PO1,PO2,PO3,PO5, PO12
CO4	Configure and troubleshoot connectivity a small network using security best practice	PO1,PO3,PO5,PO12

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PHOTOGRAPHS:

Name of the Course: CCNA - INTRODUCTION TO NETWORKS

Date: 6.4.2021 to 19.4.2021

Venue: Youtube Live Session

Course Co-ordinator

HoD - CSE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DETAILS OF VALUE ADDED COURSE 2020 – 21

COURSE INFORMATION SHEET

Date	1.7.2021 to 31.7.2021
Venue	Online, Zoom Platform
Name of the Course	AWS ACADEMY MACHINE LEARNING FOUNDATIONS
Name of the Resource Person	Mr. Ch Sekhar
Duration	30 Hours
Program	B.Tech
Year & Semester	III Year – II Semester
Number of Students Registered	75
Number of Students cleared the course	75

COURSE CO-ORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"AWS ACADEMY MACHINE LEARNING FOUNDATIONS"

From 1.7.2021 to 31.7.2021

Resource Person	Mr. Ch Sekhar
Duration	30 Hrs
Year & Semester	III - II
Venue	Online, Zoom Platform

COURSE SUMMARY:

AWS 'Academy Machine Learning Foundations' introduces the students to the concept and terminology of Artificial Intelligence and machine learning.

OBJECTIVE OF THE COURSE:

By the end of this course, students will be able to select and apply machine learning services to resolve business problems. They will also be able to label, build, train, and deploy a custom machine learning model through a guided, hands-on approach method.

OUTCOMES OF THE COURSE:

At the end of the course the students will be able to:

COs	Course Outcomes	POs
CO1	Implement a machine learning pipeline using Amazon Sage Maker.	PO1, PO2,PO3,PO12
CO2	Apply Amazon ML services for forecasting	PO1,PO2,PO3,PO4,PO5,PO12
CO3	Apply Amazon ML services for computer vision	PO1,PO2,PO3,PO5,PO12
CO4	Apply Amazon ML services for natural language processing	PO1,PO3,PO5,PO12

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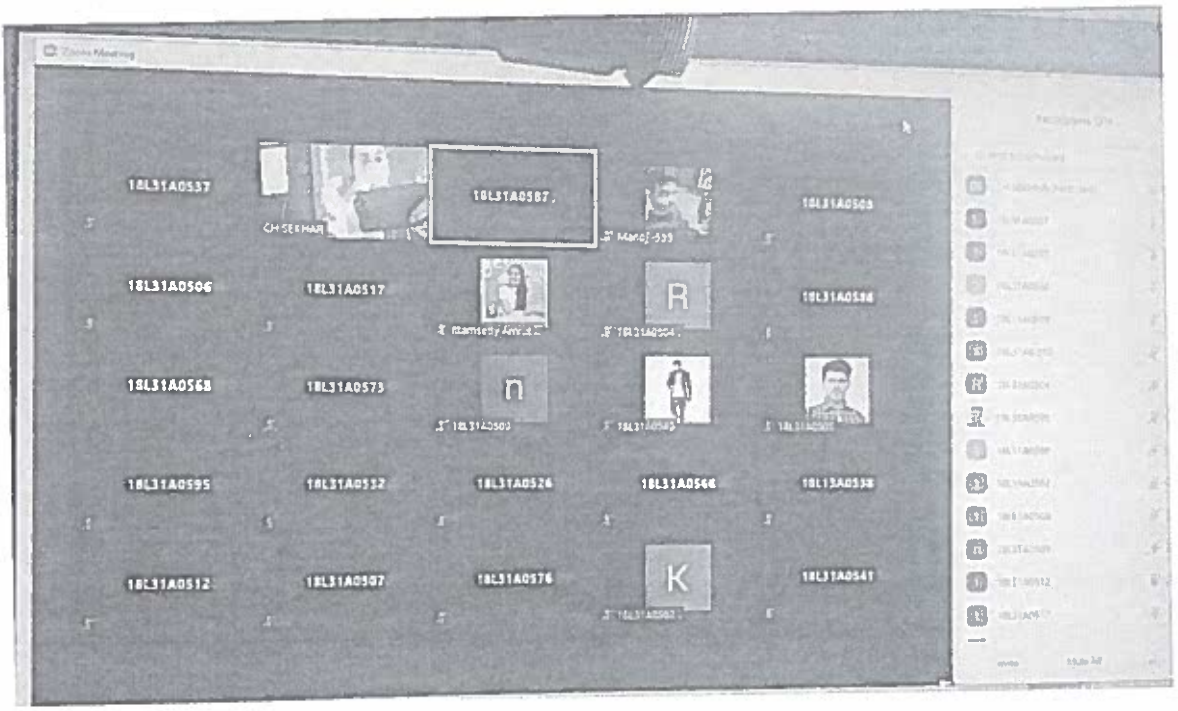
PHOTOGRAPHS:



Name of the Course: AWS ACADEMY MACHINE LEARNING FOUNDATIONS

Date: 1.7.2021 to 31.7.2021

Venue: Online, Zoom Platform

Course Co-ordinator

HoD - CSE

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DETAILS OF VALUE ADDED COURSE 2020 – 21

COURSE INFORMATION SHEET

Date	7.6.2021 to 26.7.2021
Venue	Online, Zoom Platform
Name of the Course	AWS ACADEMY CLOUD FOUNDATIONS
Name of the Resource Person	Mr. Ch Sekhar
Duration	45 Hours
Program	B.Tech
Year & Semester	III Year – II Semester
Number of Students Registered	40
Number of Students cleared the course	40

COURSE CO-ORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"AWS ACADEMY CLOUD FOUNDATIONS"

From 7.6.2021 to 26.7.2021

Resource Person	Mr. Ch Sekhar
Duration	45 Hrs
Year & Semester	III - II
Venue	Online, Zoom Platform

COURSE SUMMARY:

AWS Academy Cloud Foundations is intended for those students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

OBJECTIVE OF THE COURSE:

Upon completion of this course, students will be able to:

- Define the AWS Cloud
- Explain the AWS pricing philosophy
- Identify the global infrastructure components of AWS
- Describe the security and compliance measures of the AWS Cloud, including AWS Identity andAccess Management (IAM)
- Create a virtual private cloud (VPC) by using Amazon Virtual Private Cloud (Amazon VPC) Demonstrate when to use Amazon Elastic Compute Cloud (Amazon EC2), AWS Lambda, andAWS Elastic Beanstalk

OUTCOMES OF THE COURSE:

At the end of the course the students will able to:

COs	Course Outcomes	POs
CO1	Differentiate between Amazon Simple Storage Service (Amazon S3), Amazon Elastic Block Store (Amazon EBS), Amazon Elastic File System (Amazon EFS), and Amazon Simple Storage Service Glacier (Amazon S3 Glacier)	PO1, PO2,PO3,PO12

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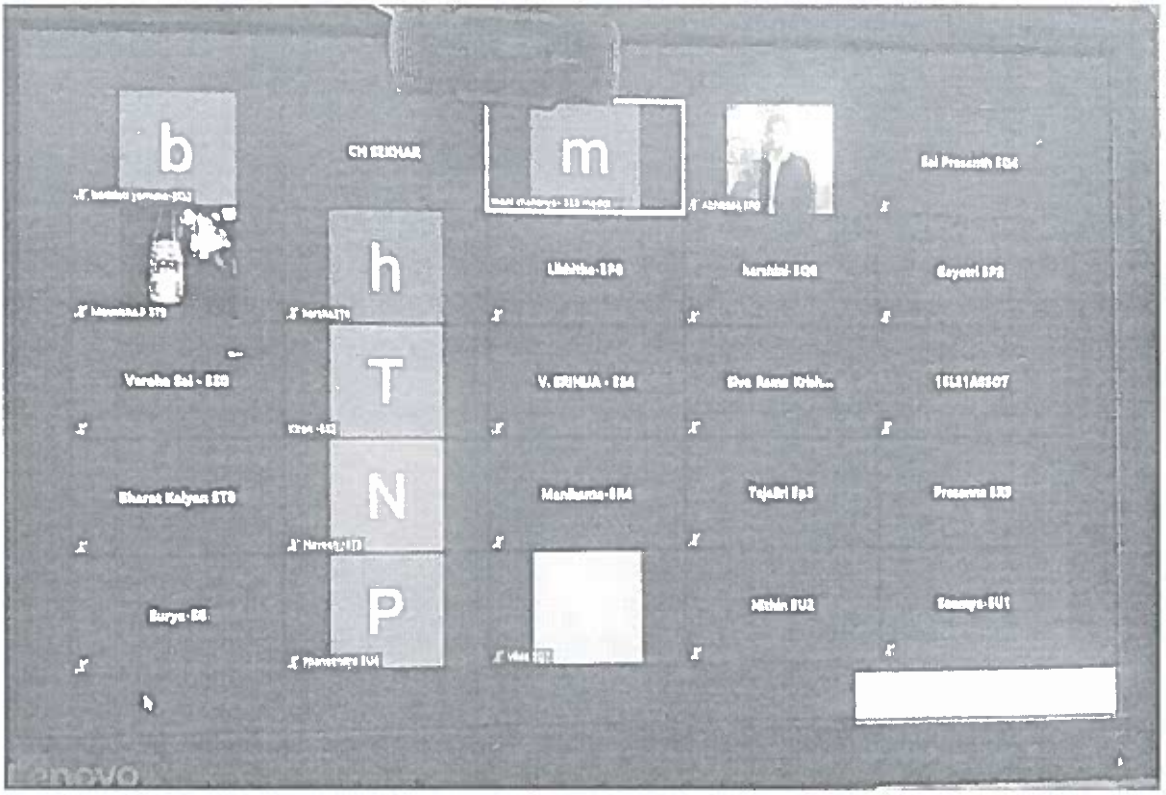
CO2	Demonstrate when to use AWS database services, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, Amazon Redshift, and Amazon Aurora	PO1,PO2,PO3,PO4,PO5, PO12
CO3	Explain the architectural principles of the AWS Cloud	PO1,PO2,PO3,PO5,PO12
CO4	Explore key concepts related to Elastic Load Balancing, Amazon CloudWatch, and Amazon EC2Auto Scaling.	PO1,PO3,PO5,PO12

PHOTOGRAPHS:



Name of the Course: AWS ACADEMY CLOUD FOUNDATIONS

Date: 7.6.2021 to 26.7.2021

Venue: Online, Zoom Platform

Course Co-ordinator

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DETAILS OF VALUE ADDED COURSE 2020 – 21

COURSE INFORMATION SHEET

Date	28.7.2021 to 13.8.2021
Venue	Seminar Hall - 1, Main Block, VIIT
Name of the Course	CISCO DEVNET ASSOCIATE
Name of the Resource Person	Mrs. Avantika Tiwari
Duration	45 Hours
Program	B.Tech
Year & Semester	III Year – II Semester
Number of Students Registered	181
Number of Students cleared the course	181

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Sowndarya
COURSE CO-ORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on

Value Added Course Entitled

"CISCO DevNet Associate"

From July 28th 2021 to August 13th 2021

Resource Person	Mrs. Avantika Tiwari
Duration	45 Hrs
Year & Semester	III - II
Venue	Seminar Hall - 1, Main Block, VIIT

COURSE SUMMARY:

The DevNet Associate course introduces the methodologies and tools of modern software development, applied to the IT and Network operations. It covers a 360 view of the domain including microservices, testing, containers and DevOps, as well as securely automating infrastructures with Application Programming Interfaces (APIs).

OBJECTIVE OF THE COURSE:

Students completing this course gain practical, relevant and hands-on lab experience of programming in Python, using GIT and common data formats (JSON, XML and YAML), deploying applications as containers, using Continuous Integration/Continuous Deployment (CI/CD) pipelines and automating infrastructure using code. The course prepare students for entry-level software development and infrastructure automation jobs.

OUTCOMES OF THE COURSE:

At the end of the course the students will able to:

COs	Course Outcomes	POs
CO1	Implement a development environment using DevNet resources.	PO1, PO2,PO3,PO12
CO2	Create a secure REST API.	PO1,PO2, PO5,PO12
CO3	Compare Cisco platforms used for collaboration, infrastructure management and automation.	PO1,PO2,PO3
CO4	Apply current technologies to deploy and secure applications and data in a cloud environment. Compare software testing and deployment methods in automation and simulation environments.	PO1,PO3,PO5,PO12

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PHOTOGRAPHS:

Name of the Course: CISCO DEVNET ASSOCIATE

Date: 28.7.2021 to 13.8.2021

Venue: Seminar Hall - 1, Main Block, VIIT

Sowndarya
Course Co-ordinator

HoD - CSE

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	**18/05/ 2021 to 12/06/2021**
Venue	ONLINE MODE
Name of the Course	**COMPETITIVE PROGRAMMING USING C**
Resource Person	**Mr. M. Somasundara Rao**
Duration	46 Hrs
Program	BACHELOR OF TECHNOLOGY – INFORMATION TECHNOLOGY
Year & Semester	I B. Tech - II SEM
Total Number of Students Enrolled	51
Total Number of students successfully completed	51

(M. Somasundara Rao)
Course Coordinator

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE on

Competitive programming using C

SUMMARY REPORT

A Value Added Course for 1st Year students of IT was organized by the department of IT at Vignan's Institute of Information Technology from 18th May 2021 to 12th June 2021. The course was conducted on **"Competitive programming using C"**. The Resource Person of the course is Mr. M. Somasundara Rao, Associate Professor, VIIT. The course started on 18 /05/ 2021 with the welcome address by the Coordinator and introductory remarks by the resource person. It ended on 12 /06/2021 with conclusion remarks by the resource person. A total of 51 students participated and completed the course. The overall feedback from the participants was very good.

OBJECTIVE OF THE COURSE:

- To teach students powerful coding skills and to improve their problem-solving abilities.
- To understand and develop programs using C language.

OUTCOMES OF THE COURSE:

COs	Course Outcomes	POs
CO1	Apply problem-solving techniques on real problems.	PO1, PO2, PO3
CO2	Face the technical round of an interview with a confidence.	PO1, PO2, PO3, PO8
CO3	Understand the control structures	PO1, PO2, PO5
CO4	Knowledge in logical thinking	PO1, PO2, PO4

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PHOTOGRAPH

Name of the Value-Added Course: **Competitive Programming using C**

Date: **18 /05/ 2021 to 12 /06/2021, Venue: ONLINE MODE**

(M. Somasundara Rao)
Course Coordinator

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	08/02/2021 to 27/02/2021
Venue	AKCNB Hall, Main Building, VIIT.
Name of the Course	AWS CLOUD FOUNDATIONS
Resource Person	Mr. K. Leela Prasad
Duration	36 Hrs
Program	BACHELOR OF TECHNOLOGY – INFORMATION TECHNOLOGY
Year and Semester	III-II
Total number of students enrolled	42
Total number of students successfully completed the course	42

(M. Somasundara Rao)
Course Coordinator

HOD-IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE on

"AWS Cloud Foundations"

SUMMARY REPORT

Name of the Resource Person : Mr. K. Leela Prasad

Venue : AKCNB Hall, Main Block, VIIT(A)

Date : 08.02.21 To 27.02.21

A Value-Added Course for 3rd Year 1st Semester students of IT was organized by the department of IT at Vignan's Institute of Information Technology from **08.02.2021 to 27.02.21**. The course was conducted on **"AWS Cloud Foundations"** The Resource Person of the course is K. Leela Prasad, Assistant Professor, VIIT. The course started on **8.02.2021** with the welcome address by the Coordinator and introductory remarks by the resource person. It ended on **27.02.2021** with conclusion remarks by the resource person. A total of 42 students participated and completed the course. The overall feedback from the participants was very good.

OBJECTIVE OF THE COURSE:

1. Identify the global infrastructure components of AWS.
2. Describe security and compliance measures of the AWS Cloud including AWS identity and Access Management (IAM).
3. Create an AWS Virtual Private Cloud (Amazon VPC).

OUTCOMES OF THE COURSE:

Cos	Course Outcomes	POs
CO1	Build a private cloud	PO1, PO2, PO3, PO5, PO8
CO2	Analyze the AWS services, including compute, network, databases, and storage.	PO1, PO2, PO3, PO4
CO3	Understand security in clouds	PO1, PO2, PO3, PO5
CO4	Understand the benefits of the AWS Cloud and the basics of its global infrastructure.	PO1, PO2, PO3, PO5,

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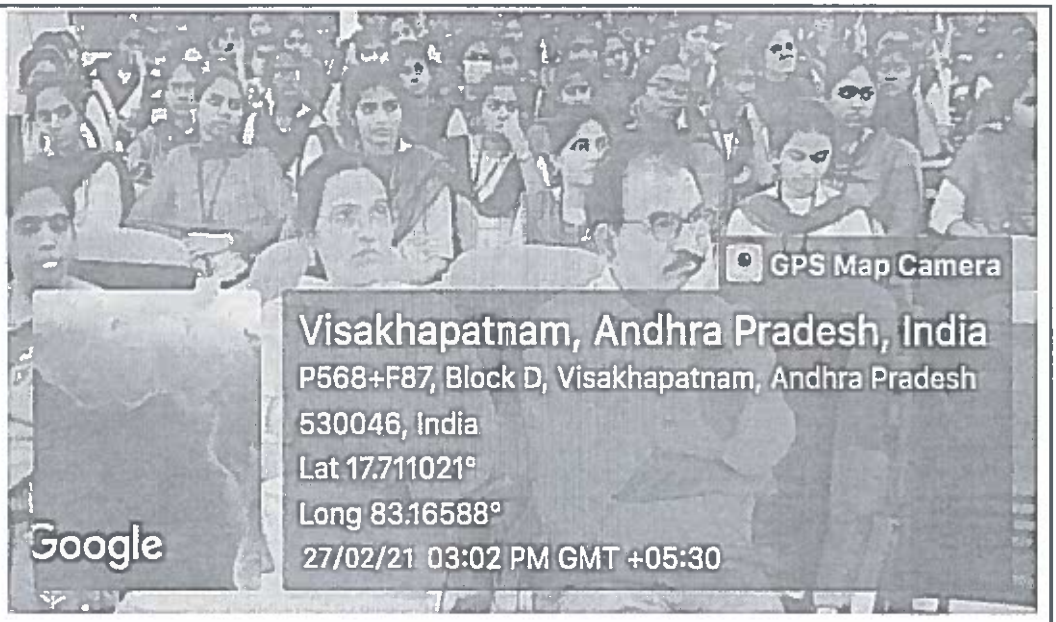
PHOTOGRAPH



Name of the Value-Added Course: **AWS Cloud Foundations**

Date: Feb 08, 2021 – Feb27, 2021, **Venue: AKCNB Hall, Main Block, Dept. of IT, VIIT(A)**

(M. Somasundara Rao)
Course Coordinator

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VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	**03.05.21 To 13.05.21**
Venue	Online Mode
Name of the Course	AZURE SC-900
Resource Person	Mr. K. V. N. Rajesh
Duration	30 Hrs.
Program	BACHELOR OF TECHNOLOGY – INFORMATION TECHNOLOGY
Year and Semester	IV- II
Total number of students enrolled	41
Total number of students successfully completed the course	41

(M. Somasundara Rao)
Course Coordinator

HOD-IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course

on

AZURE SC-900

SUMMARY REPORT

Name of the Resource Person : Mr. K. V. N. Rajesh

Venue : ONLINE MODE

Date : **03.05.21 To13.05.21**

This course is targeted to those looking to familiarize themselves with the fundamentals of security, compliance, and identity (SCI) across cloud-based and related Microsoft services.

OBJECTIVE OF THE COURSE:

- Familiarization with fundamentals of security, compliance and identity
- Familiarization with the capabilities of Microsoft identity and access management solutions and Microsoft compliance solutions

.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Access Management solutions.	PO1, PO6, PO7, PO9
CO2	Apply the capabilities of Microsoft security solutions and Microsoft compliance solutions and Identity.	PO1, PO6, PO7, PO9, PO12
CO3	Able to manage data and servers over cloud	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Able to provide secure cloud transactions.	PO1, PO6, PO7, PO8,

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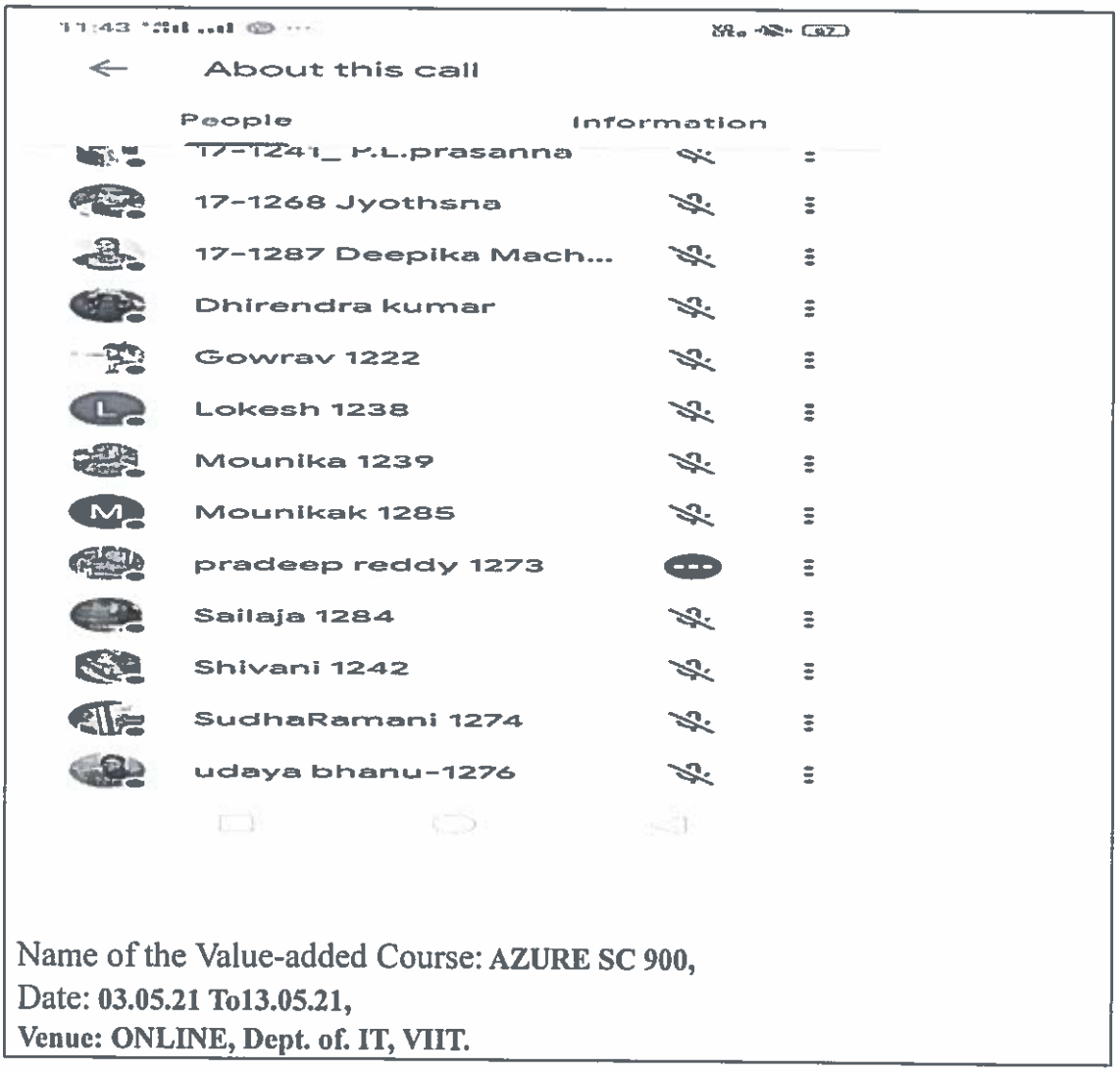

Name of the Value-added Course: **AZURE SC 900,**
Date: **03.05.21 To13.05.21,**
Venue: ONLINE, Dept. of. IT, VIIT.

(M. Somasundara Rao)
Course Coordinator

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VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	June 02, 2021 – June 14, 2021
Venue	ONLINE MODE
Name of the Course	**Essentials for Competitive Programming - I**
Resource Person	Mr. M. Somasundara Rao
Duration	33 Hrs
Program	BACHELOR OF TECHNOLOGY-INFORMATION TECHNOGY
Year and Semester	I-II & II-II
Total number of students enrolled	31
Total number of students successfully completed the course	31

(M. Somasundara Rao)
Course Coordinator

HOD-IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course

on

Essentials for Competitive Programming-1

SUMMARY REPORT

Name of the Resource Person : **Mr. M. Somasundara Rao**

Venue : ONLINE MODE

Date : 02/6/2021 to 14/6/2021

A Value Added Course for 2nd year students of IT was organized by the department of Information Technology at Vignan's Institute of Information Technology from 2nd June 2021 to 14th June 2021. The course was conducted on **"Essentials of Computer Programming – I"**. The Resource Person of the course is Mr. M. Somasundara Rao, Asst. Prof, Department of IT, VIIT. The course started on 2nd June 2021 with the welcome address by the Coordinator and introductory remarks by the resource person. It ended on 14th June 2021 with conclusion remarks by the resource person. A total of 31 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- To improve logical and analytical skills.
- To improve programming pattern like recursion.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Apply bit manipulation techniques to solve problems.	PO1,PO2,PO3
CO2	Apply the Modular programming techniques to simplify the programs.	PO3,PO4,PO5
CO3	Able to solve problems using Strings.	PO1.PO2,PO3
CO4	Able to solve recursive problems.	PO5

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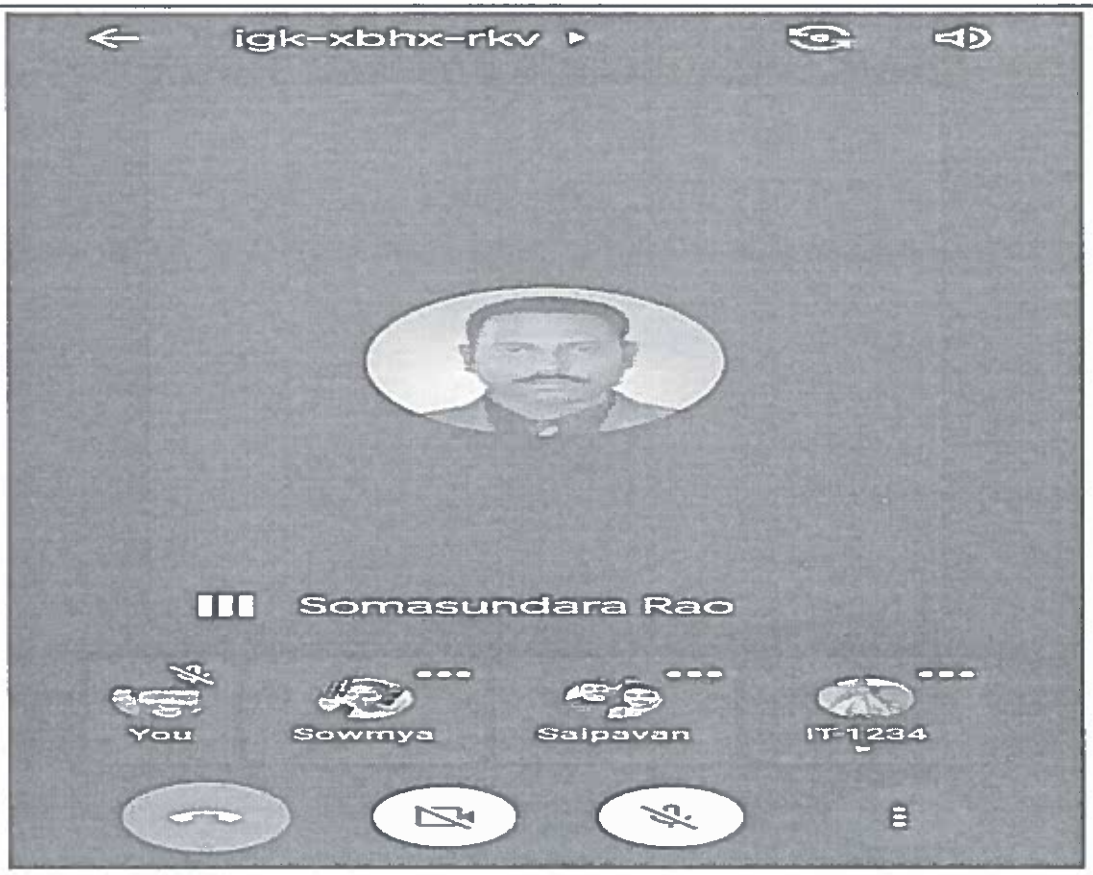

Name of the Value-added Course: **Essentials for Competitive Programming-1,**
Date: **02/6/2021 to 14/6/2021,**
Venue: ONLINE MODE.

(M. Somasundara Rao)
Course Coordinator

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	21.12.20 – 31.12.20
Venue	A43 (Lecture Hall),VIIT (A) , Visakhapatnam
Name of the Course	Essentials for Competitive Programming - II
Resource Person	Mrs. G. Jyothi & Mr. P. Praveen
Duration	30 Hrs
Program	BACHELOR OF TECHNOLOGY-INFORMATION TECHNOGY
Year and Semester	III & IV B. Tech. IT
Total number of students enrolled	24
Total number of students successfully completed the course	24

(M. Somasundara Rao)

Course Coordinator

HOD-IT

HOD-IT Dept.
VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY
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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course

on

ESSENTIAL FOR COMPETITIVE PROGRAMMING-II

SUMMARY REPORT

Name of the Resource Person : **Mrs. G. Jyothi & Mr. P. Praveen**

Venue : AKCNB Hall, Main Building, VIIT.

Date : 21.12.20 – 31.12.20

A Value Added Course for III & IV year students of IT was organized by the department of Information Technology at Vignan's Institute of Information Technology from 21.12.20 to 31.12.20. The course was conducted on **"Essentials of Competitive Programming – II"**. The Resource Person of the course is Mr. P. Praveen, and Mrs. G. Jyothi Asst. Prof, Department of IT, VIIT. The course started on 21.12.20 with the welcome address by the Coordinator and introductory remarks by the resource person. It ended on 31.12.20 with conclusion remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

After completion of the course, students will be able

1. To improve logical and analytical skills
2. To improve modular programming techniques using sub arrays

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Apply recursion techniques to solve problems	PO1, PO6, PO7, PO9
CO2	Apply the modular programming techniques to simplify the programs.	PO1, PO6, PO7, PO9, PO12
CO3	Able to solve problems using sub arrays	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Able to solve real-time problems.	PO1, PO6, PO7, PO8

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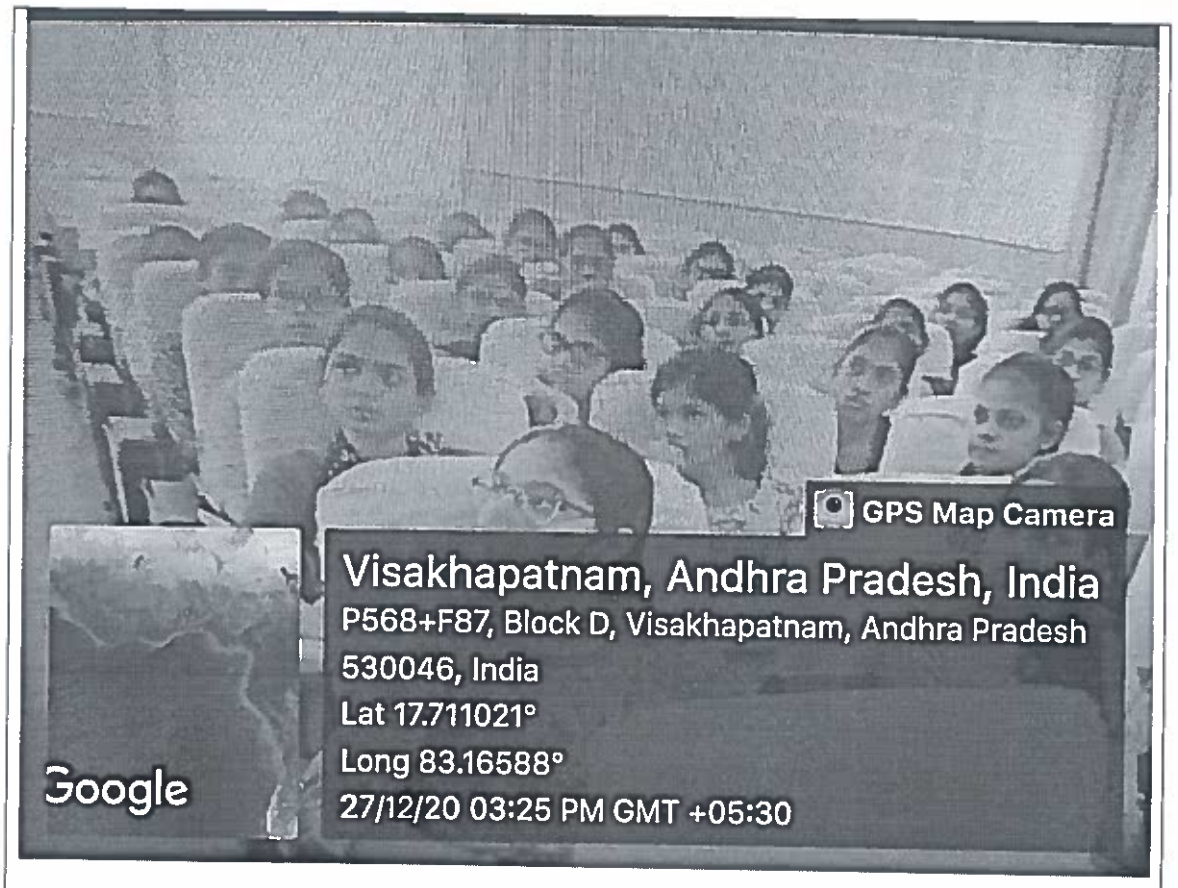

Name of the Value-added Course: **Essentials of Competitive Programming – II**
Date: **21.12.20 – 31.12.20,**
Venue: **AKCNB Hall, Main Building, VIIT.**

(M. Somasundara Rao)
Course Coordinator

HOD-IT

HOD-IT Dept.
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DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	29-03-2021 to 03-04-2021
Venue	Dennis Ritchie Lab, Aryabhatta Computing Laboratory, Main Block.
Name of the Course	AWS CLOUD COMPUTING
Name of the Resource Person	Dr. N.Tirupathi Rao Associate Professor
Duration	32 Hrs
Program	B.TECH
Year and Semester	IV Year - II Sem
Total number of students enrolled	54
Total number of students successfully completed the course	54

(Dr. Hemanth Kumar Sahu)

Course Coordinator

HOD-ECM

Head of the Department
Electronics and Computer Engineering

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DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

Value Added Course

on

AWS CLOUD COMPUTING

SUMMARY REPORT

Name of the Resource Person : Dr. N.Tirupathi Rao, Associate Professor
Venue : Dennis Ritchie Lab, System Cell, Main Block, VIIT, Duvvada,
Date : 29-03-2021 to 03-04-2021

The goal of this course is to introduce to the concepts, terminology and processes of machine learning so that one who take this course gain a comprehensive understanding. It's ideal to learn the fundamentals of machine learning of Amazon Web Services if you are a beginner It will help resolve business problems, how to use managed AWS machine learning services for forecasting, computer vision and natural language processing and to evaluate the limits of machine learning models and their ethical implications.

Course Objectives:

Cloud computing is the on-demand delivery of compute power, database, storage, applications, and other IT resources through a cloud services platform via the internet with pay-as-you-go pricing.

To learn and understand basics and working definitions of AWS. To describe and provide an example of the core AWS services, including compute, network, database, and storage services.

Course Outcomes:

At end of course the student will be able to learn:

COs	Outcomes	POs
CO1	Efficient design and deployment of the AWS system.	PO1, PO6, PO7, PO9
CO2	Cost-evaluation and cost-control mechanisms.	PO1, PO6, PO7, PO9, PO9
CO3	Elastic Load Balancing on multiple EC2 instances.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Data ingress and egress on AWS	PO1, PO3, PO6, PO7, PO9,

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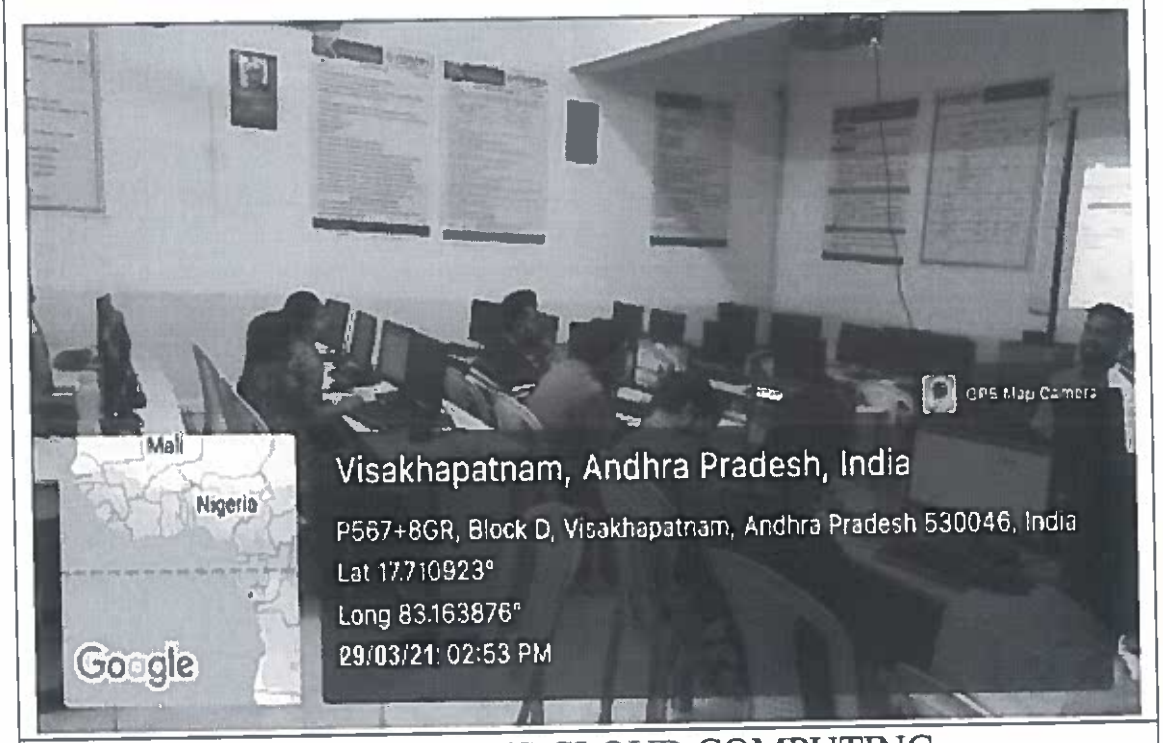

Name of the Value-added Course: AWS CLOUD COMPUTING

Date : 29-03-2021 to 03-04-2021

Venue: Dennis Ritchie Lab, System Cell, Main Block,

(Dr. Hemanth Kumar Sahu)

Course Coordinator

HOD-ECM

Head of the Department
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Vignan's Institute of Information Technology (Autonomous)
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DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	20.11.2020 to 27.11.2020
Venue	Online
Name of the Course	INTERNET OF THINGS
Name of the Resource Person	Mr. Bapuji Kanaparthi
Duration	42 Hrs
Program	B.TECH
Year and Semester	II & III Year - I Sem
Total number of students enrolled	94
Total number of students successfully completed the course	94

(Mr.D.Madhusudhan)
Course Coordinator

HOD-ECM

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DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

Value Added Course

on

INTERNET OF THINGS

SUMMARY REPORT

Name of the Resource Person : Mr. Bapuji Kanaparthi ,
CEO & Founder of Appleton Innovations,
Visakhapatnam,

Venue : online

Date : 20.11.2020 to 27.11.2020

This course is designed to start you on a path toward future studies in internet of things, no matter how little experience or technical knowledge you currently have. The internet of things is a very big place, and if you are the typical internet user, you probably free to use to controlling the through internet, whether for business, entertainment or education. But have you ever wondered how these internet of things actually work? How are they built? How do devices connect with the internet? What skills are necessary to build a internet of things? With almost 1 billion devices can be use to control through internet like mobiles, the answers to these questions could be your first step toward a better understanding of the internet of things and developing a new set of internet devices skills.

Course Objectives:

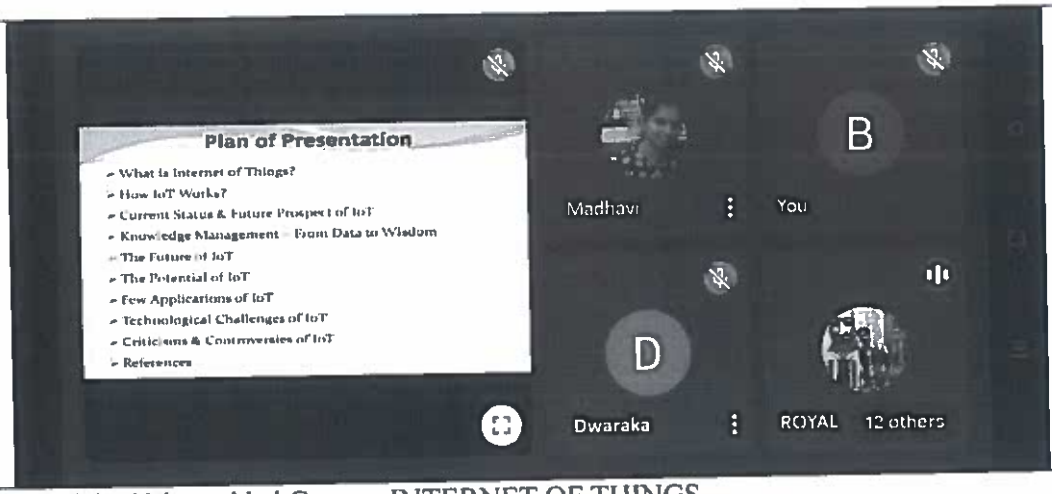
- To introduce the fundamentals of the internet, and the principles of network devices.
- To construct basic internet device to design a hard ware devices.
- To learn internet of things to become a software and hardware developer .
- To develop project through internet devices where the devices are connected that can be operated through any mobile application.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Understand where to start when taking on ainternet of things project and Learn the basics of the internet process.	PO1, PO6, PO7, PO9
CO2	Understand conceptual internet of things is used for develop the hardware application.	PO1, PO6, PO7, PO9, PO9

CO3	Have knowledge about the basic structure and limitations of different application of IOT.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Do basic connection, create, manage, store data on internet and Create application on IOT.	PO1, PO3, PO6, PO7, PO9, PO12



Name of the Value-added Course: INTERNET OF THINGS

Date:20.11.2020 to 27.11.2020, **Venue:** online

(Mr. D. MADHUSUDAN)

Course Coordinator

HOD-ECM

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Head of the Department Electronics and Computer Engineering Vignan's Institute of Information Technology (Autonomous) Visakhapatnam-530 049

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DEPARTMENT OF MANAGEMENT STUDIES

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	03.02.2021 - 24.03.2021
Venue	Seminar Hall
Name of the Course	Self management Skills
Resource Person	Mrs. Auadathi Datta
Duration	32 Hrs
Program	MBA
Year & Semester	II - I
Total Number of Students Enrolled	109
Total Number of students successfully completed	109

(Dr. T. Archana acharya)
Course Coordinator

HOD-MBA

HOD - MBA
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Department of Management Studies

Report on

Value added Course entitled "Self Management Skills"

03rd Feb 2021 to 24th March 2021

Resource Person	Mrs Auadhathi Datta
Duration	32 Hrs
Year & Semester	II- I
Venue	Seminar Hall

COURSE SUMMARY:

The goal of this course is to provide students with a basic and comprehensive knowledge of Self Management Skills. By the end of the course students will be able apply skills for effective communication at different levels of management.

OBJECTIVE OF THE COURSE:

To acquaint students with

1. Identifying Self-Management skills and personal attributes commonly required by professional's,
2. Interpret the Self-Management skills or qualities student need to develop
3. Understand skills required for career growth
4. Describe one's development needs in relation employment

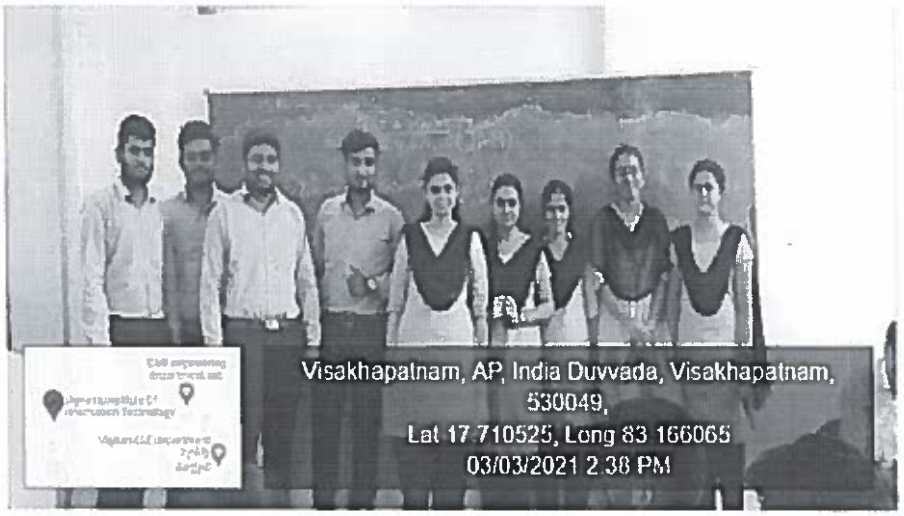
At the end of the course the students will able to:

1. Understand the concepts of Self- Management skills.
2. Measure different types of Self- Management skills specific for working

environment.

3. Analyze the required Self-Management skills needed for better improvement.
4. Apply the basic skills to perform and to control in all business activities.

IMAGE GALLERY:



Description: Student Seminar

Description: Collaborative discussion

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HOD - MBA
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Course Coordinator

HoD

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DEPARTMENT OF MANAGEMENT STUDIES

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	22.09.2020-30.11.2020
Venue	Online, Platform
Name of the Course	Digital marketing
Resource Person	Dr. K. Aditya
Duration	64 Hrs
Program	MBA
Year & Semester	II – I
Total Number of Students Enrolled	41
Total Number of students successfully completed	41

(Dr. T. Archana acharya)
Course Coordinator

HOD-MBA

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Department of Management Studies

Report on

Value added Course entitled "Digital Marketing"

From Sept 22nd 2020 to Nov 30th 2020

Resource Person	Mr K Aditya
Duration	64 Hrs
Year & Semester	II-I
Venue	Online

COURSE SUMMARY:

The goal of this course is to provide students with a basic and comprehensive knowledge of Digital Marketing. By the end of the course students will be able apply skills for effective communication at different levels of management.

OBJECTIVE OF THE COURSE:

To acquaint students with

1. Exploring the emerging tools offered by the internet.
2. Access the realm of social media.
3. Understand and estimate the mindset of the online consumer.

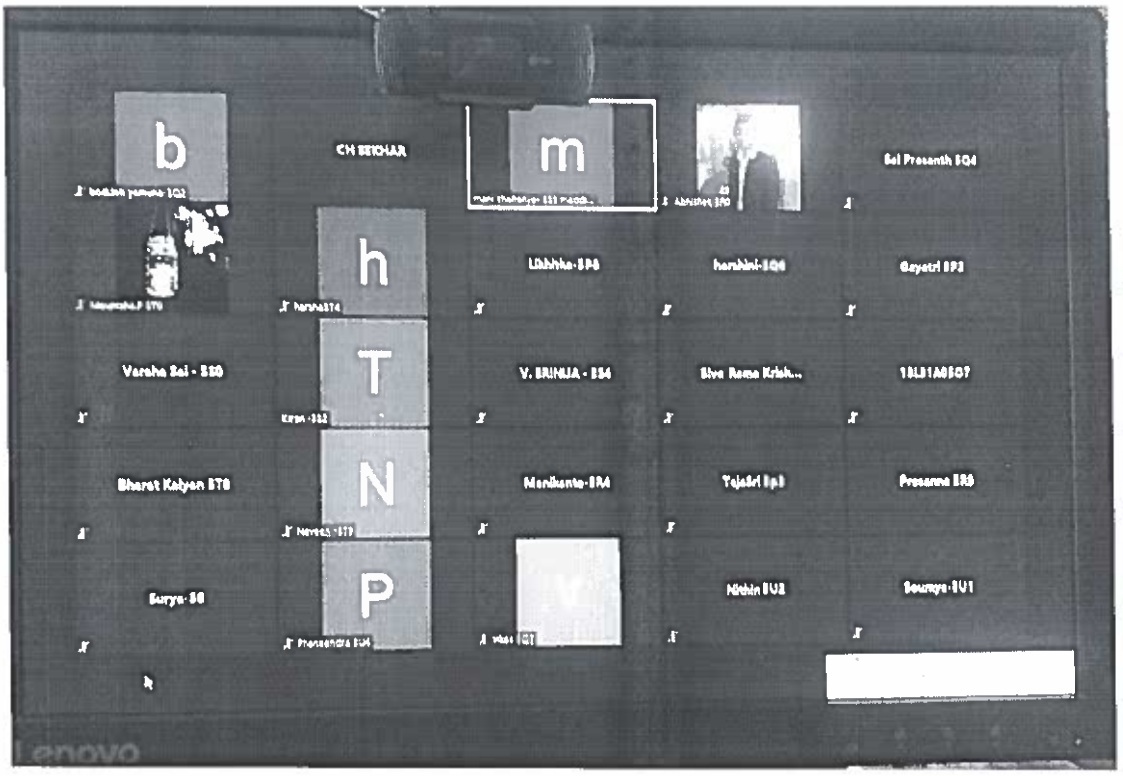
OUTCOMES OF THE COURSE:

At the end of the course the students will able to:

1. Understand the concepts of Digital marketing.
2. Understand the process of Developing websites.

3. How to optimize search engine.

IMAGE GALLERY:



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Description: Search Engine Optimization

Course Coordinator

HoD

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VISAKHAPATNAM

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	03/5/2021 to 13/5/2021
Venue	ONLINE MODE
Name of the Course	**Competitive Coding**
Resource Person	Mr. M. Somasundara Rao
Duration	30 Hrs
Program	PG – MASTER OF COMPUTER APPLICATIONS
Year and Semester	I - II
Total number of students enrolled	55
Total number of students successfully completed the course	55

(Mrs. A. Sirisha)

Course Coordinator

HOD-MCA

HOD - MCA
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VISAKHAPATNAM-49

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Value Added Course
on
"COMPETITIVE CODING"
SUMMARY REPORT

Name of the Resource Person : **Mr. M. Somasundara Rao**

Venue : ONLINE MODE

Date : 03/5/2021 to 13/5/2021

A Value Added Course for 1MCA students was organized by the Department of MCA at Vignan's Institute of Information Technology from 03/5/2021. The course was conducted on "COMPETITIVE CODING". The resource person and Coordinator for the course is Mr. **M. Somasundra Rao**, Associate Professor from the Department of IT. The course started on 03-May-2021 with the welcome address by the co-ordinator and ended up with her concluding remarks on 13-May-2021. A total of 55 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

The focus of the course is the development and implementation of advanced algorithms, as well as the skills required for programming competitions.

- The students will learn to select appropriate algorithms for a given problem

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	The students will learn to select appropriate algorithms for a given problem, integrate multiple algorithms for solving a complex problem.	PO1, PO6, PO7, PO9
CO2	Able to know the design new algorithms, and implement them in C++ or Java.	PO1, PO6, PO7, PO9, PO12
CO3	They will also learn skills required for participation in programming contests, which include evaluation of problem difficulty, solving problems in teams, and work under time pressure.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	They will represent Carnegie Mellon at the regional ACM Programming Competition and possibly at the international ACM Competition	PO1, PO3, PO6, PO7, PO9, PO12

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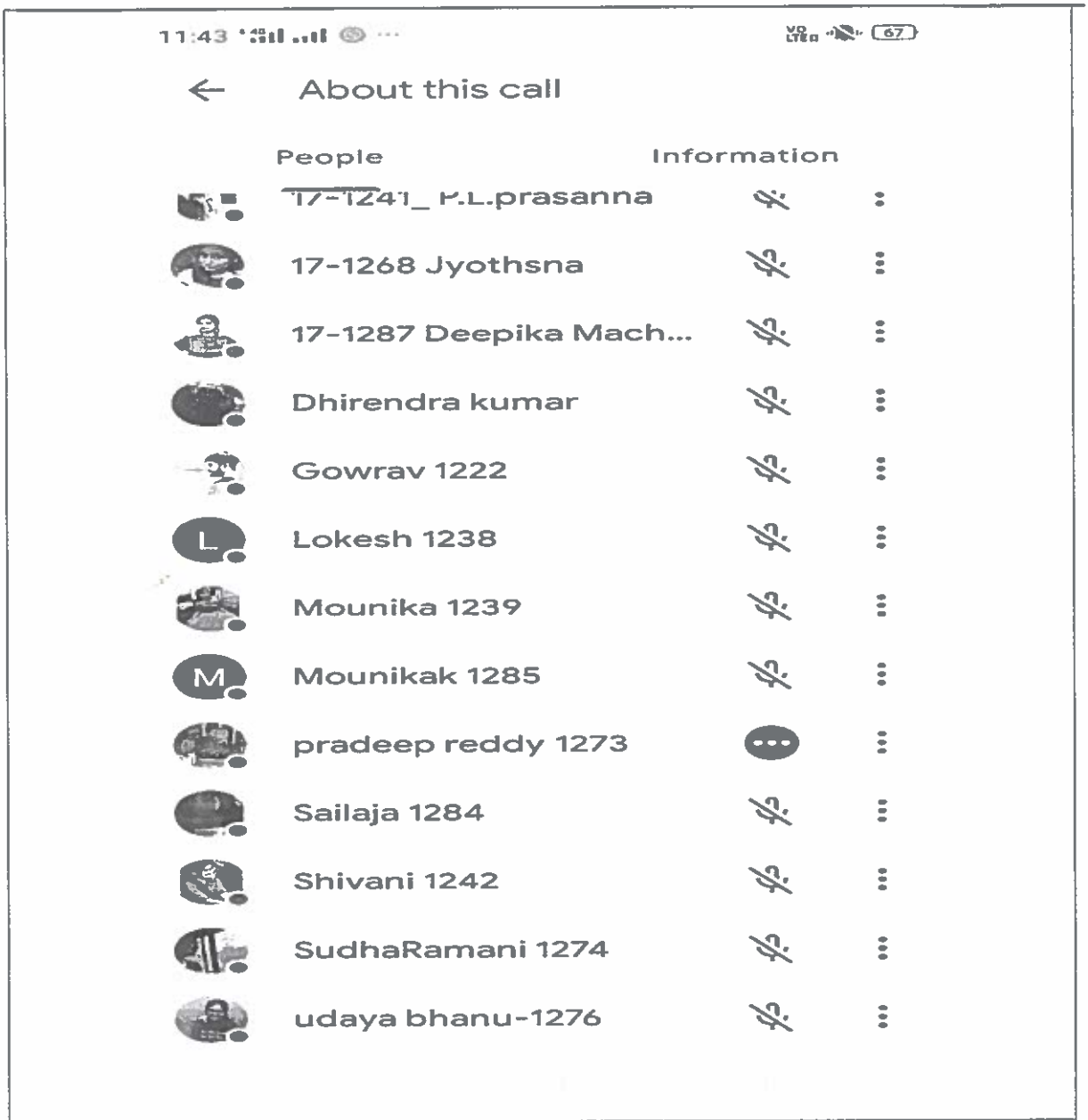

Name of the Value-added Course: **COMPETITIVE CODING**
Date: **03/5/2021 to 13/5/2021**
Venue: **ONLINE MODE**

(Mrs. A. Sirisha)
Course Coordinator

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	15.05.21 – 21.05.21
Venue	ONLINE
Name of the Course	Digital Forensic Science
Resource Person	Mrs. K. G. Prasanthi
Duration	30 Hrs.
Program	PG – MASTER OF COMPUTER APPLICATIONS
Year and Semester	II & III MCA
Total number of students enrolled	32
Total number of students successfully completed the course	32

(Mrs. A. Sirisha)
Course Coordinator

HOD-MCA

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DEPARTMENT OF MCA

Value Added Course

on

"Digital Forensic Science"

SUMMARY REPORT

Name of the Resource Person : Mrs. K. G. Prasanthi

Venue : ONLINE

Date : 15.05.21 – 21.05.21

A Value Added Course for II and III year students of MCA was organized by the department of Master of Computer Applications at Vignan's Institute of Information Technology from 15.05.21 – 21.05.21. The course was conducted on "Digital Forensic Science" The Resource Person of the course is Mrs. K. G. Prasanthi, Asst. Professor, Department of MCA, VIIT. It is ended on 21st May 2021 with conclusion remarks by the resource person. A total of 32 students participated and completed the course. The overall feedback from the participants was very good.

OBJECTIVE OF THE COURSE:

1. Understand the fundamental of forensics.
2. Study different aspects of digital evidences.

OUTCOMES OF THE COURSE:

COs	Course Outcome	POS
CO1	Develop computer forensic awareness	CO1, CO2, CO3, CO6, CO8
CO2	Perform best practices for incidence response.	CO1, CO2, CO3, CO8
CO3	Apply computer forensic tools for investigation	CO1, CO2, CO3, CO5, CO8
CO4	Understand the Mobile forensics	CO1, CO2, CO5, CO7

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Name of the Value-added Course: Digital Forensic Science

Date: **15/05/2021 to 21/05/2021, Venue: ONLINE**

(Mrs. A. Sirisha)

Course Coordinator

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DEPARTMENT MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	07.12.20 – 17.12.20
Venue	AKCNB Hall, Main Building, VIIT.
Name of the Course	**PARALLEL COMPUTING**
Resource Person	**Dr. G. Rajendra Kumar**
Duration	30 Hrs
Program	MASTER OF COMPUTER APPLICATIONS
Year and Semester	II & III – I Semester
Total number of students enrolled	14
Total number of students successfully completed the course	14

(Mrs. A. Sirisha)
Course Coordinator

HOD-MCA

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

VALUE ADDED COURSE

on

PARALLEL COMPUTING

SUMMARY REPORT

Name of the Resource Person	:	Dr. G. Rajendra Kumar
Venue	:	AKCNB Hall, Main Building, VIIT.
Date	:	07.12.20 – 17.12.20

A Value-Added Course for II-III Year students of MCA was organized by the department of MCA at Vignan's Institute of Information Technology from **07.12.20 to 17.12.20** The course was conducted on "**PARALLEL COMPUTING**". The Resource Person of the course is, Dr. G. Rajendra Kumar, Professor, VIIT. The course started on **07.12.20** with the welcome address by the Coordinator and introductory remarks by the resource person. It ended on **17.12.2020** with conclusion remarks by the resource person. A total of 14 students participated and completed the course. The overall feedback from the participants was very good.

OBJECTIVE OF THE COURSE:

1. The objective of the course is to make the students familiarize about the parallel computing architectures and environments.

OUTCOMES OF THE COURSE:

COs	Course Outcomes	POS
CO1	Understand platforms of parallel computations, communication models and protocols.	PO1, PO2, PO3
CO2	Understand Parallel algorithms	PO1, PO2, PO5
CO3	Apply design models	PO1, PO2, PO8
CO4	Build dynamic algorithms	PO1, PO2, PO3, PO10

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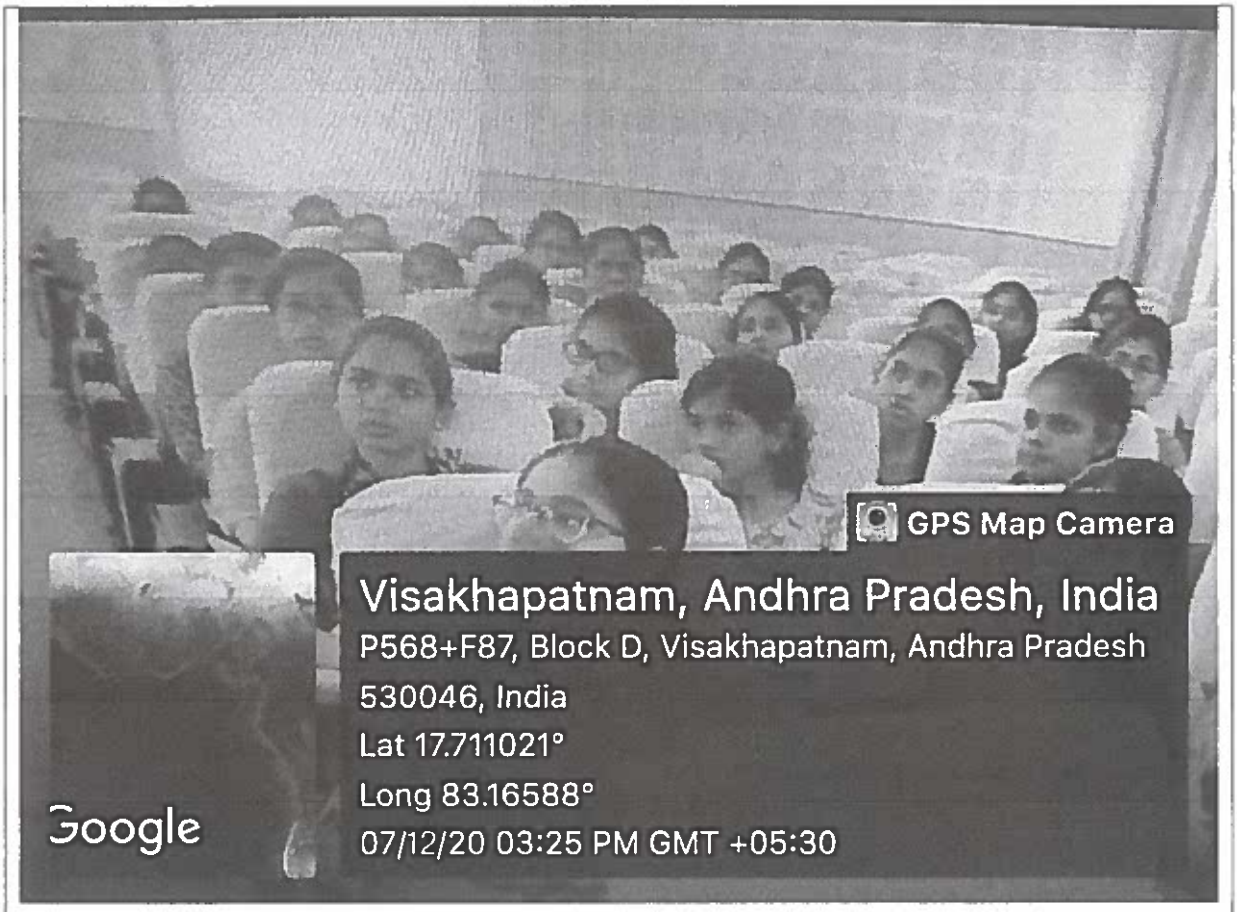
PHOTOGRAPH



Name of the Value-Added Course: PARALLEL COMPUTING

Date: 07.12.20 – 17.12.20

Venue: AKCNB Hall, Main Block, VIIT

(Mrs. A. Sirisha)

Course Coordinator

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DUVVADA, VISAKHAPATNAM

DEPATMENT OF BASIC SCIENCE & HUMANITIES

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	20.01.2021 to 22.02.2021
Venue	AKCNB Hall, VIIT(A)
Name of the Course	Waste to Wealth
Name of the Resource person	Dr. A. Annapoorna
Duration	30 Hrs
Program	B. Tech
Year and Semester	I - I
Total number of students enrolled	190
Total number of students successfully completed	190

(Ms. A. Ramya)
COURSE COORDINATOR

HoD- BS&H

PRINCIPAL
VIGNAN'S INSTITUTE OF
Information Technology (A)
Beside: VGF7 Duvvada, Visakhapatnam-49

Head of the Department
Basic Sciences and Humanities
Vignan's Institute of Information Technology
Visakhapatnam

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

on

"WASTE TO WEALTH"

SUMMARY REPORT

Name of the Resource Person : **Dr. A. Annapoorna**

Venue : **AKCNB, VIIT**

Date : 20/01/2021 to 22/02/2021

A Value Added Course for 1st year B.Tech students was organized by the Department of BS&H at Vignan's Institute of Information Technology from 20th JAN – 22nd FEB 2021. The course was conducted on "WASTE TO WEALTH". The resource person for the course is Dr. A. Annapoorna, Associate Professor from the Department of Engineering Chemistry, Andhra University and Co-ordinator for the course is Ms. A. Ramya, Assistant Professor, Basic Science & Humanities VIIT (A). The course started on 20th JAN 2021 with the Welcome address by the Co-ordinator and ended up with her concluding remarks on 22nd FEB 2021. A total of 190 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

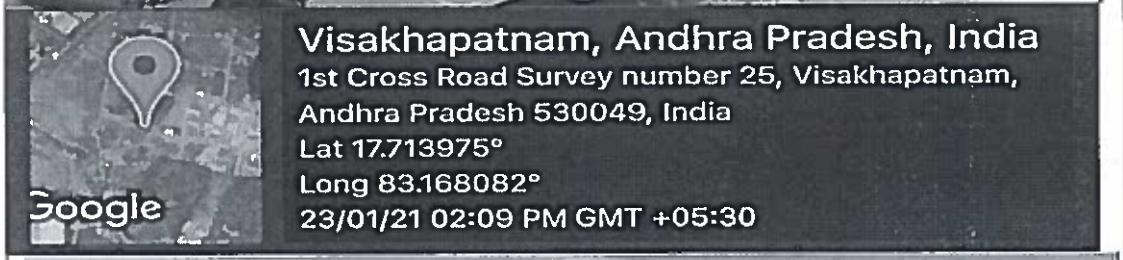
- To introduce students to the Scientific processing of waste to the fore front.
- To develop a zero landfill and zero waste nation.
- To strengthen a common platform for the students to seek relevant solutions.

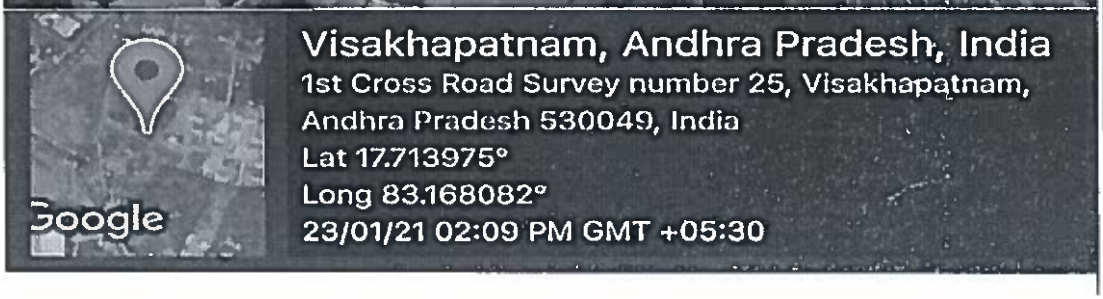
Course Outcomes:

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

COs	Course Outcomes	POs
CO1	Discuss issues related to recycling & resource recovery from wastes	PO1, PO6, PO7, PO9
CO2	Develop small management plans for plastic waste	PO1, PO6, PO7, PO9, PO12
CO3	Recover bio fuels from wastes and bio mass.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Identify which waste is causing severe pollution and which waste recycle and which waste to be reduced.	PO1, PO3, PO6, PO7, PO9, PO12

Image Gallery:





Name of the Value-added Course: **WASTE TO WEALTH,** Date: **20/01/2021 to 22/02/2021, Venue: AKCNB HALL, VIIT.**

(Ms. A. Ramya)
Course Coordinator

HoD-BS&H
Head of the Department
Basics Sciences and Humanities
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	2/2/2021 to 3/3/2021
Venue	Dharithri Block Seminar Hall
Name of the Course	MATLAB FOR BEGINNERS (Virtual mode)
Duration	33 Hrs
Program	B.Tech
Year and Semester	I - I
Total number of students enrolled	203
Total number of students successfully completed the course	203

Mr. K. Ramappadu
Course Coordinator

HOD-BS&H

Head of the Department
Basics Sciences and Humanities
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam

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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

On

"MATLAB FOR BEGINNERS"

SUMMARY REPORT

Name of the Resource Person : **Mr. S. Ravi Kumar**

Venue : **Dharithi Block Seminar Hall, VIIT (Virtual mode)**

Date : 2/2/2021 to 3/3/2021

A Value Added Course for 1st year students of B. Tech was organized by the Department of BS&H at Vignan's Institute of Information Technology from 2nd Feb – 3rd March, 2021. The course was conducted on "**MATLAB FOR BEGINNERS**". The resource person for the course is Mr. S. Ravi Kumar, Assistant Professor from the Department of Basic Science & Humanities VIIT (A). The course started on 2nd Feb 2021 with the welcome address by the Co-ordinator and ended up with his concluding remarks on 3rd March 2021. A total of 203 students participated and completed the course. The overall feedback from the participants was very good.

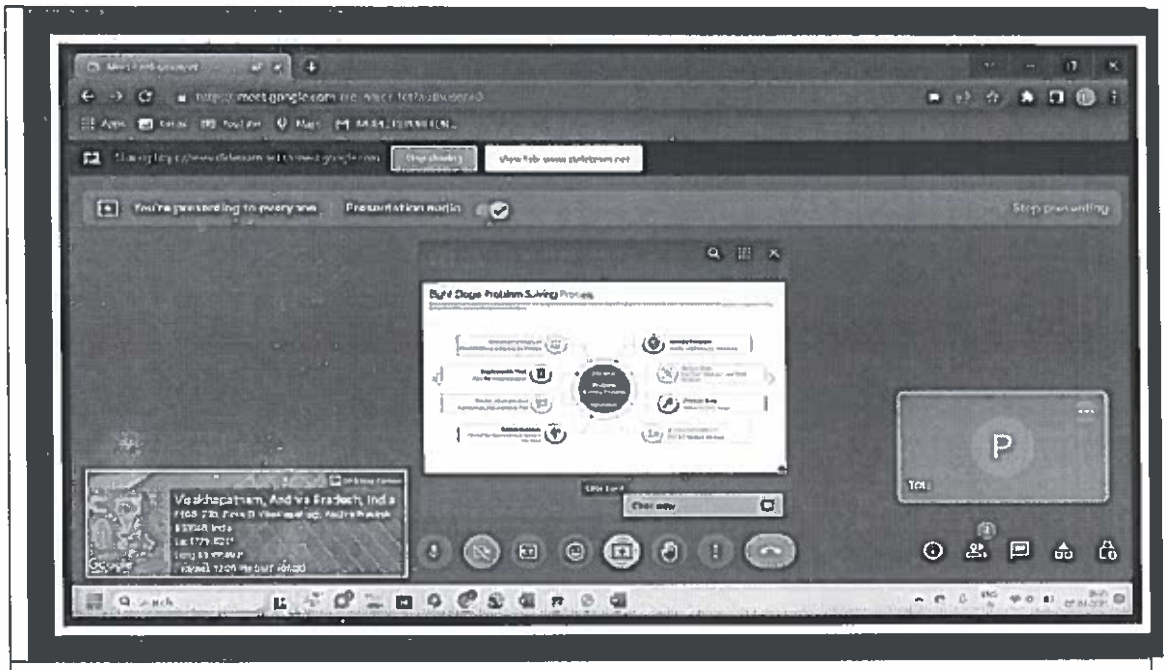
Course Objectives:

- By the end of this course, students will be able to apply programming skills to resolve real world problems.
- They will also be able to develop algorithms and programmes using logical skills.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Describes how algorithm can be developed.	PO1, PO6, PO7, PO9
CO2	Explain the logic of the programme and understands various steps of programme execution.	PO1, PO6, PO7, PO9, PO12
CO3	Identify syntax errors and correction.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Understands how to access library functions for solving real world problems.	PO1, PO3, PO6, PO7, PO9, PO12



Name of the Value-added Course: **MATLAB FOR BEGINNERS**, Date: **2/2/2021 to 3/3/2021**, **Venue: Dept. of. BS&H, VIIT.**

K. Ramappadu
Course Coordinator

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DEPATMENT OF BASIC SCIENCE & HUMANITIES

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	01.04.2021 to 02.05.2021
Venue	Virtual mode - Zoom App
Name of the Course	Inferential Statistics
Name of the Resource person	Mrs. S. Indira
Duration	30 Hrs
Program	B. Tech
Year and Semester	I - I
Total number of students enrolled	186
Total number of students successfully completed	186

(Dr. N. Ramya)
COURSE COORDINATOR

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DEPARTMENT OF BASIC SCIENCE & HUMANITIES

Value Added Course

on

"Inferential Statistics"

SUMMARY REPORT

Name of the Resource Person : **Mrs. S. Indira**

Venue : ZOOM online classroom

Date : 01/ 04/ 2021 to 02/ 05/ 2021

A value-Added Course for 1st year students of B. Tech was organized by the Department of Basic Science & Humanities in Virtual Mode through Zoom Platform from 1st April 2021 to 02nd May 2021. The course was conducted on **"Inferential Statistics"**. The resource person for the course is Mrs. S. Indira, Assistant Professor, VIIT (A). The course started from 1st April with the welcome addressed by Dr. N. Ramya and introductory remarks by resource person. A total 186 students participated and completed the course. The overall feedback from the students is very good.

COURSE OBJECTIVES:

- To impart statistical analysis in various applications of engineering.
- Perform Test of Hypothesis as well as calculate confidence interval for a population parameter for single sample and two sample cases. Understand the concept of p-values.

COURSE OUTCOMES:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Acquire techniques to test hypothesis with an assumption on the population means, proportions and variances under different circumstances.	PO1, PO2, PO4, PO12
CO2	Hypothesize various advanced statistical techniques for modeling and exploring practical situations.	PO1, PO2, PO4, PO12

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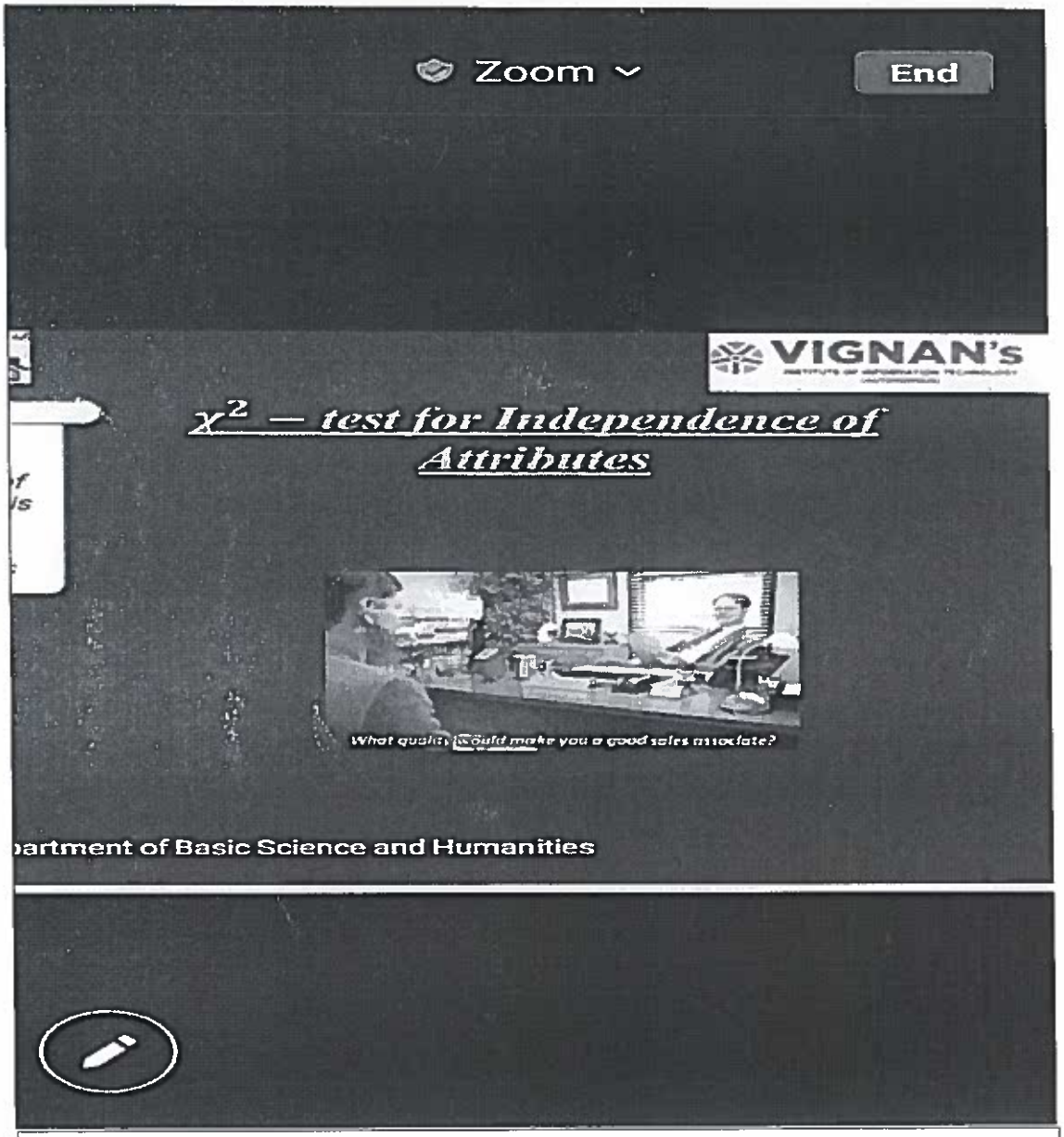

Name of the Value-added Course: **Inferential Statistics,** Date: **01/04/2020 to 02/5/2020, Venue: ZOOM online classroom.**

(Dr. N. Ramya)
COURSE COORDINATOR

HOD- BS&H

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Duvvada, Visakhapatnam

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES DEPARTMENT

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	18/08/2021 to 03/09/2021
Venue	Seminar Hall (Dharithri Block)
Name of the Course	CREATIVE WRITING
Resource Person	Mr. D. Ganesh
Duration	30 Hrs
Program	B.TECH
Year and Semester	I - II
Total number of students enrolled	118
Total number of students successfully completed the course	118

(Ms.KUNTALIKA JHARIMUNE)
Course Coordinator

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

on

"CREATIVE WRITING"

SUMMARY REPORT

Name of the Resource Person : **Mr. D. Ganesh**

Venue : **Seminar Hall, Dharithi Block, VIIT**

Date : 18/08/2021 to 03/09/2021

A Value Added Course for 1st year students of B. Tech was organized by the Department of BS&H, Vignan's Institute of Information Technology from 18th August 2021 -3rd September, 2021. The course was conducted on "Creative Writing". The resource person Mr. D. Ganesh, Asst. Professor, and co-ordinator for the course is Ms.Kuntalika Jharimune, Assistant Professor from the Department of Basic Science & Humanities VIIT (A). The course started on 18th August 2021 with the Welcome address by the Co-ordinator and ended up with her concluding remarks on 3rd August, 2021. A total of 118 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- To develop the overall English proficiency of students using the creative writing method
- To help them become avid readers of available texts, that will increase their writing capability
- To make them well acquainted with strategies of self-expression and reflection of thought.

Course Outcomes:

Upon completion of the course the student will be able to learn:

COs	Course Outcomes	POs
CO1	• To understand the fundamentals of creative writing, such as the appropriate usage of figures of speech in creative writing.	PO1, PO6, PO7, PO9
CO2	• To enhance their craft of writing by focusing on contemporary cultural and social contexts.	PO1, PO6, PO7, PO9, PO12

CO3	• To write effectively on a broad range of areas such as poetry, drama and fiction.	PO1, PO3, PO6, PO7, PO9, PO12
CO4	• To understand the fundamentals of creative writing such as appropriate usage of figures of speech in creative writing.	PO7, PO9, PO12

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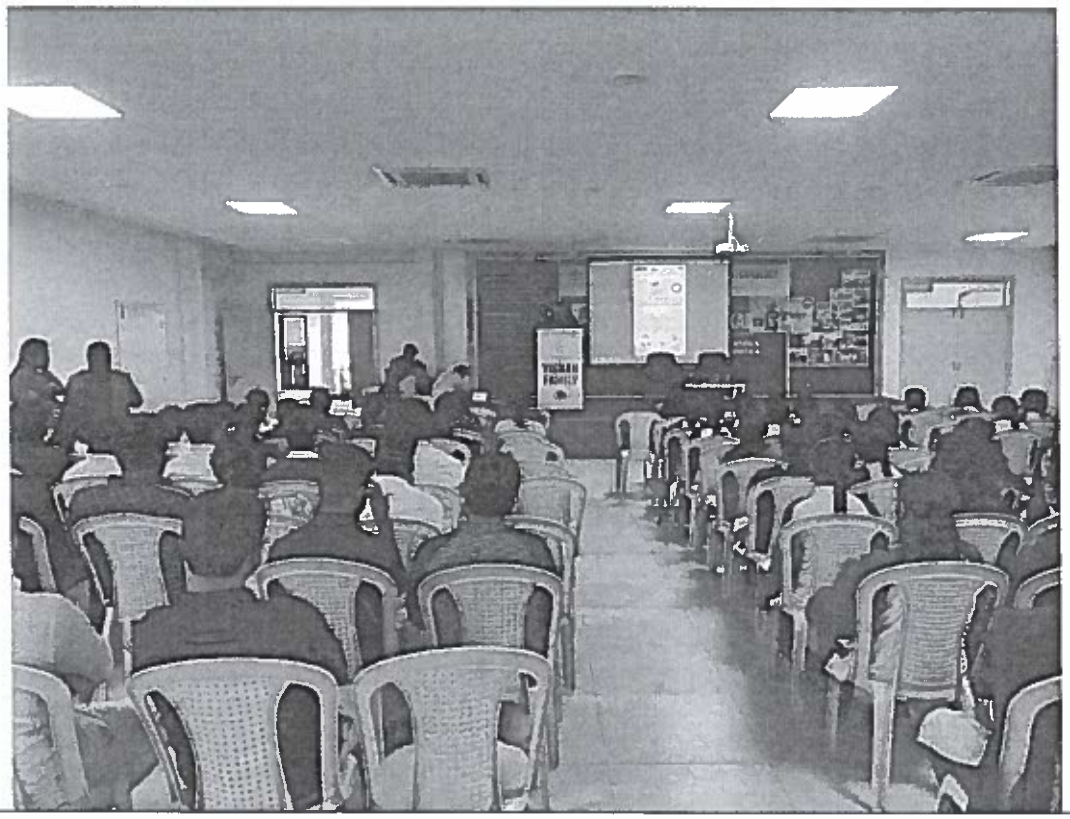

Name of the Value-added Course: **CREATIVE WRITING**, Date: **18/08/2021 to 03/09/2021, Venue: Seminar Hall (Dharithri Block), Dept. of. BS&H, VIIT. (Lat-17.711057, Long- 83.163875)**

(Ms.KUNTALIKA JHARIMUNE)
Course Coordinator

HOD-BS&H

Head of the Department
Basics Sciences & Humanities
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam

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DEPATMENT OF BASIC SCIENCE & HUMANITIES

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	15.09.2021 to 07.10.2021
Venue	AB-03, Main Block, VIIT
Name of the Course	Optimization Techniques
Name of the Resource person	Dr. N. Ramya
Duration	30 Hrs
Program	B. Tech
Year and Semester	I - II
Total number of students enrolled	134
Total number of students successfully completed	134

(Mrs. S. Indira)
COURSE COORDINATOR

M.P.V. Prabhakara Rao
HoD- BS&H

PRINCIPAL
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Beside: VSEZ, Duvvada, Visakhapatnam-49

Head of the Department
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Vignan's Institute of Information Tec
Duvvada, Visakhapatnam

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

on

"OPTIMIZATION TECHNIQUES"

SUMMARY REPORT

Name of the Resource Person : **Dr. N. Ramya**

Venue : **AB-03, VIIT**

Date : 15/09/2021 to 07/10/2021

A Value Added Course for 1st year students of B.Tech was organized by the Department of BS&H at Vignan's Institute of Information Technology from 15th September to 7th October, 2021. The course was conducted on "Optimization Techniques". The resource person for the course is Dr. N. Ramya, Associate Professor from the Department of Basic Science & Humanities VIIT (A). The course started on 15th September 2021 with the Welcome address by the Co-ordinator and ended up with her concluding remarks on 7th October 2021. A total of 134 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- To get familiarize with the mathematical formulation of a real world problem.
- To acquaint with the problem solving techniques theoretically as well as graphically.
- Realize the Importance of certain mathematical techniques in getting the minimum transportation cost.
- Assign the jobs to the machines at the minimum cost (or maximum profit).

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Formulate a given simplified description of a suitable real-world problem as a linear programming model	PO1, PO6, PO7, PO9
CO2	Solve the transportation problem, and assignment problems to drive their optimal solution.	PO1, PO6, PO7, PO9, PO12

Photo:

Name of the Value-added Course: **OPTIMIZATION TECHNIQUES,**
Date: **15/09/2021 to 07/10/2021, Venue: AB-03, VIIT.**

(Mrs.S.Indira)
COURSE COORDINATOR

M.P.V.V. Bhaskara Rao
HoD- BS&H

Head of the Department
Basics Sciences and Humanities
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

VALUE ADDED COURSE (2020-2021)

COURSE INFORMATION SHEET

Date	14/9/2021 to 11/10/2021
Venue	SEMINAR HALL, Dharithri block, VIIT.
Name of the Course	CHEMISTRY IN EVERYDAY LIFE
Name of the Resource Person	Ms. A. Ramya
Duration	30 Hrs
Program	B. TECH
Year and Semester	I - II
Total number of students enrolled	192
Total number of students successfully completed the course	192

Ms. B. Vara Lakshmi

Course Coordinator

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Value Added Course
On
CHEMISTRY IN EVERYDAY LIFE
SUMMARY REPORT

Name of the Resource Person : **Ms. A. RAMYA**

Venue : Seminar Hall, Dharithri Block, VIIT

Date : 14/9/2021 to 11/10/2021

A Value Added Course for 1st year students of B.Tech was organized by the Department of BS&H at Vignan's Institute of Information Technology from 14thSEP – 11thOCT 2021. The course was conducted on "CHEMISTRY IN EVERYDAY LIFE". The resource person for the course is Ms. A. Ramya, and Co-ordinator for the course is Ms. B. Vara Lakshmi Assistant Professors, Basic Science & Humanities VIIT (A). The course started on 14th SEP 2021 with the Welcome address by the Co-ordinator and ended up with her concluding remarks on 11th OCT 2021. A total of 197 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

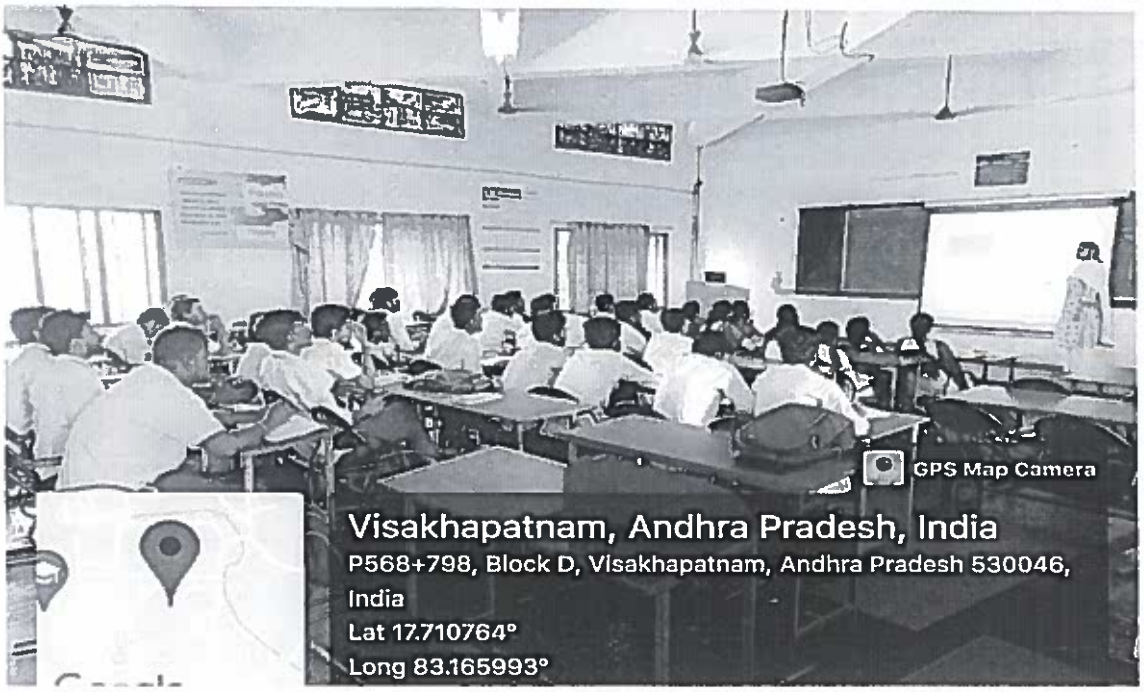
- To impart knowledge on objects made of different chemicals used in everyday life.
- To educate about the preservatives used in foods.
- To educate about the artificial sweetening agents used in food stuffs and their drawbacks.
- To discuss about the chemicals used in baking processes.

Course Outcomes:

At end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	To visualize the importance of chemistry in everyday life	PO1, PO6, PO7, PO9
CO2	Explain the chemical composition of human body.	PO1, PO6, PO7, PO9, PO12
CO3	Understanding the discoloration of leaves	PO1, PO3, PO6, PO7, PO9, PO12
CO4	Different chemicals which are health hazardous.	PO1, PO3, PO6, PO7, PO9, PO12

IMAGE:



Name of the Value-added Course: **CHEMISTRY IN EVERYDAY LIFE,**
Date: **14/09/2021 to11/10/2021, Venue: SEMINAR HALL, DHARITHRI BLOCK**

Ms. B. Vara Lakshmi
(Course Coordinator)

HOD-BSH

Head of the Department
Basics Sciences and Humanities
Vignan's Institute of Information Technology
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DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

VALUE ADDED COURSE (2020-2021) – COURSE INFORMATION SHEET

Date	20.09.2021 to 21.10.2021
Venue	Seminar Hall, Dharithri Block (Virtual Mode, Zoom App)
Name of the Course	**ENGLISH FOR PROFESSIONAL PURPOSES**
Name of the Resource Person	Dr. K.G.B. Santhosh Kumari
Duration	30 Hrs
Program	B.Tech
Year and Semester	I-II
Total number of students enrolled	127
Total number of students successfully completed the course	127

(Mr. K. Ramappadu)
COURSE COORDINATOR

M.P.V.V. Ghasbhavarao
HOD- BS&H

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DUVVADA, VISAKHAPATNAM

DEPARTMENT OF BASIC SCIENCE AND HUMANITIES

Value Added Course

on

"ENGLISH FOR PROFESSIONAL PURPOSES"

SUMMARY REPORT

Name of the Resource Person : **Dr. K.G.B. Santhosh Kumari**

Venue : **Virtual Mode, Zoom App**

Date : 20/09/2021 to 21/10/2021

A Value Added Course for 1st year students of B.Tech was organized by the Department of BS&H at Vignan's Institute of Information Technology from 20th Sept, 2021 – 21st Oct, 2021. The course was conducted on "English for Professional Purposes". The resource person for the course is Dr. K.G.B. Santhosh Kumari, Associate Professor and the Coordinator of the Course is Mr. K. Ramappadu, Assistant Professor, Department of Basic Science and Humanities, VIIT (A). The Course started on 20th Sept, 2021 with the welcome address by the Coordinator and ended up with his concluding remarks on 21st Oct, 2021. A total of 127 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- To introduce students to the specific use of English for Technical Communication.
- To develop the overall English proficiency of students and enable them to function effectively in different professional contexts.
- To strengthen student skills in the areas of reading, writing, listening and speaking and enable them to function effectively in their professional sphere.

Course Outcomes:

At the end of course the student will be able to learn:

COs	Course Outcomes	POs
CO1	Analyze the functions of Language and Grammar in Spoken and Written forms	PO1, PO6, PO7, PO9
CO2	Speak effectively on various domains	PO1, PO6, PO7, PO9, PO12
CO3	Prepare and exhibit Oral Presentation Skills by using ICT (Individual/Team)	PO1, PO3, PO6, PO7, PO9, PO12

PRINCIPAL
VIGNAN'S INSTITUTE OF
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Beside: VSEZ, Duvvada, Visakhapatnam

Name of the Value-added Course: English for Professional Purposes
Date: 20-09-2021

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Beside: VSEZ, Duvvada, Visakhapatnam-49

(Mr. K. Ramappadu)
COURSE COORDINATOR

M.P.V. Krishna Rao
HOD- BS&H

Head of the Department
Basics Sciences and Humanities
Vignan's Institute of Information Technology
Duvvada, Visakhapatnam