

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

NH – 16, CHAITANYA KNOWLEDGE CITY, GIET CAMPUS, RAJAHMUNDRY

Andhra Pradesh - 533296 Website: <http://www.giet.ac.in> principal@giет.ac.in

Date: 27-10-2020

PROGRAM REPORT

Name of the Event: Strong Work Ethics

Date: 19-10-2020 to 24-10-2020

Resource Persons: **Dr.PRK.Raju**, Professor, MBA, GIET(A).

Email.id: prkraju@giет.ac.in

Contact number:

Mrs.Somalatha, Associate Professor, MBA, GIET(A).

Email.id: somalatha@giет.ac.in

Contact number: 9701927791

Name of the Coordinator: Mrs. CH. Nageswari

Number of students attended: 38

Number of faculty involved: 3

Venue: VB BLOCK

Objectives of the Program:

The students will try to learn:

- Skills for recognize and promote of ethical decisions in the workplace
- Integrity, treating everyone with dignity and respect, and owning up to mistakes
- Ethical and unethical actions and behaviours

Topics covered:

- An Understanding of Economics


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- Data Analysis Skills
- Financial Accounting Skills
- Negotiation and deal making skills
- Business Management Skills
- Leadership Skills
- Emotional Intelligence
- Effective Communication
- Decision-Making Skills
- Networking Skills

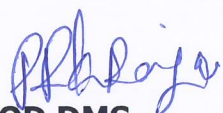
Outcomes of the Program:

After successful completion of the Value-Added Course, students will be able to:

1. Understand the roles and responsibilities of managers.
2. Inculcate the managerial techniques for better performance.
3. Control the activities by analyzing the organizational environment.
4. Follow the best managerial principles and practices.

Cl. Nagarajan
Co-ordinator


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HOD DMS
Head of the Department
DEPARTMENT OF MANAGEMENT STUDIES
GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
RAJAHMUNDRY - 533 294

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Date: 24-05-2021

PROGRAM REPORT

Name of the Event: INTRODUCTION TO SOFTWARE TESTING AND QUALITY ASSURANCE

Date: 22-02-2021 to 22-05-2021

Resource Person: Ms. S.PRAVALLIKA,
Assistant Professor, Godavari Institute of Engineering & Technology
Email Id: pravallika@giel.ac.in
Contact Number: 9951480333

Name of the Coordinator: Mr. L.V.Kiran

Number of students attended: 35

Number of faculty involved: 3

Venue: RK Block, MCA Lab

Objectives of the program:

- Finding defects which may get created by the programmer while developing the software.
- Gaining confidence in and providing information about the level of quality.
- To prevent defects.
- To make sure that the end result meets the business and user requirements.

Topics covered:

- Regression Testing and Continuous Integration
- Defect Management and Reporting
- Quality Assurance Principles
- Testing Tools and Automation
- Performance Testing and Load Testing
- Security Testing and Code Reviews


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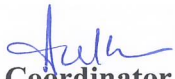
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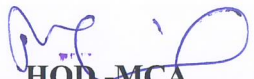
Outcomes of the program:

On Completion of this course, the students will be able to

- Apply various testing techniques and methodologies
- Design, execute, and automate effective test cases
- Manage defects, track their lifecycle, and ensure their resolution.
- Create comprehensive test documentation
- Implement quality assurance processes
- Utilize testing tools for efficient testing and continuous integration.


Coordinator


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HOD-MCA
Head, Dept. of Computer Applications
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Date: 15-11-2021

PROGRAM REPORT

Name of the Event: FOUNDATIONS OF C++ PROGRAMMING

Date: 12-07-2021 to 13-11-2021

Resource Person: Mr. L.V.KIRAN,

Assistant Professor, Godavari Institute of Engineering &
Technology Email Id: lvkiran@giel.ac.in

Contact Number: 9985392672

Name of the Coordinator: Mr. K. Praveen Kumar

Number of students attended: 50

Number of faculty involved: 5

Venue: RK Block, MCA Lab

Objectives of the program:

- To describe OOPs concepts.
- To use functions and pointers in your C++ program.
- To understand tokens, expressions, and control structures.
- To explain arrays and strings and create programs using them.
- To describe and use constructors and destructors.
- To understand and employ file management.

Topics covered:

- C++ Basics
- Control Structures and Functions
- Arrays and Pointers
- Object-Oriented Programming (OOP) Concepts
- Classes and Objects
- Operator Overloading
- Inheritance and Polymorphism


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- Exception Handling
- File Handling

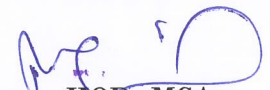
Outcomes of the program:

On Completion of this course, the students will be able to

- Write, compile, and execute C++ programs
- Apply OOP principles to design and use classes and objects.
- Demonstrate knowledge of inheritance, polymorphism, and operator overloading.
- Use templates to create generic data structures.
- Handle exceptions and errors using try-catch blocks
- Perform file input/output operations to read from and write to files.
- Apply C++ programming concepts to solve real-world programming challenges.


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Date: 17-03-2021

PROGRAM REPORT

Name of the Event: BRIDGING FAMILY OCCUPATIONS AND PROFESSIONAL GROWTH

Date: 08-03-2021 to 12-03-2021

Resource Persons: M. Sirisha Sangamitra, Professor, HBS, GIET(A).

Email.id: sirishasangamitra@giet.ac.in

Contact number: 7883373211

Name of the Coordinator: K. Maha Lakshmi

Number of students attended: 100

Number of faculty involved: 5

Venue: RK Block Seminar Hall.

Objectives of the Program:

- Provide participants with the necessary training and skills development opportunities to acquire the qualifications and competencies needed for professional growth.
- Offer guidance and counseling to help individuals identify their career aspirations and align them with available opportunities in the professional world.
- Facilitate networking opportunities and connections with professionals and organizations in the desired field, enabling participants to build relationships and access job openings.
- Support access to formal education, vocational training, or certification programs that can enhance participants' qualifications and career prospects.
- Provide financial aid, scholarships, or grants to help individuals cover the costs associated with transitioning to a professional career, such as tuition fees or certification expenses.

Topics covered:

- Understanding Our Heritage
- Family Occupations and Skill Synergy


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- Holistic Development
- Make in India and Our Roots
- Aligning with National Initiatives: Exploring how integrating family occupations can contribute to the 'Make in India' campaign.
- and Local Industries: Discussing the role of traditional practices in promoting eco-friendly and localized production

Outcomes of the Program:

On Completion of this course, the students will be able to

- Recognize the value of family occupations in fostering a deeper connection with cultural heritage.
- Integrate key skills and principles from family occupations to enhance their engineering capabilities.
- Apply emotional intelligence and effective communication techniques to collaborate seamlessly in professional settings.
- Strategize the integration of traditional practices to contribute to the 'Make in India' initiative
- Appreciate the role of sustainable and localized production in ensuring long-term economic growth.
- Continuous Learning: Stay curious and open to learning from family members, blending their wisdom with your technical education

K. Mahabaleshi
Co-ordinator


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Date:10-07-2021

PROGRAM REPORT

Name of the Event: A Workshop on Commissioning of Hybrid power plant (Solar and wind) of 2.2KW

Date: 12-04-2021 to 10-07-2021

Resource Persons: Dr. D. Ravi Kishore, Professor & HOD-EEE, GIET(A)

Email ID: hod.eee@giet.ac.in

Contact No: 8886668239

B. Kavya Santhoshi

Assistant Professor, EEE, GIET(A) EEE

Email.id: kavyasanthoshi@giet.ac.in

Contact number: 9884887092

Name of the Coordinator: B. Kavya Santhoshi

Number of students attended: 60

Number of faculty involved: 3

Venue: Power Electronics Lab, Main Block

Objectives of the Program:

- To Impart the Knowledge to the students with commissioning of Solar Power
- Learn Components of Solar power Plant
- Harvesting Solar energy

Topics covered:


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- Introduction to commissioning of a power plant
- Components of Solar power Plant
- Harvesting Solar energy

Outcomes of the Program:

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

1. Understand process of commissioning
2. Understand the components of Solar plant
3. Harvest the energy from solar plant and wind

Co-Ordinator

HOD-EEE

Head of The Department
Electrical & Electronics Engg.
GIET(A), RAJAHMAHENDRAVARAM

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Date:12/07/2021

PROGRAM REPORT

Name of the Event : INTRODUCTION TO MATLAB

Date : 12-04-2021 to 10-07-2021

Resource Persons : Mr.G.V.Vinod , Assistant Professor ECE, GIET(A)

Email Id : vinod@giet.ac.in

Contact number : 9010252573

Mrs.CH.Gowri , Assistant Professor ECE, GIET(A)

Email Id : gowrich.ece@giet.ac.in

Contact number : 7077602266

Name of the coordinator : Mrs.CH.Gowri

Number of students attended : 65

Number of faculty involved: 5

Venue : Main Block, Simulation Lab

Objectives of the Program :

- To know the basic knowledge on MATLAB
- To impart the knowledge to the students with commands and Programming
- Learn Basics of Mat lab toolboxes
- Basic commands on data import and export
- To impart the knowledge on Control Structures and Functions

Topics covered :

- Introduction to MATLAB.
- Basic MATLAB Commands.
- Control Structures.

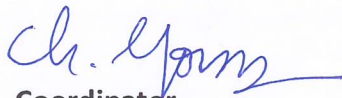

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- Functions and Scripts.
- Data Import and Export.
- Data Visualization

Outcome of the Program :

On Completion of this course, the students will be able to

1. Gain a solid understanding of MATLAB's interface, basic syntax, and fundamental programming concepts.
2. Acquire the ability to create, manipulate, and analyze arrays and matrices using MATLAB's built-in functions.
3. Develop the skills to use conditional statements and loops to control program flow and perform repetitive tasks.


Coordinator


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Date:12.07.2021

PROGRAM REPORT

Name of the Event: DATA SCIENCE USING PYTHON

Date: 12.04.2021 to 10.07.2021

Resource Persons: Dr. B. Sujatha,

Professor, CSE, GIET-(A).

Email.id: hod.cse@giet.ac.in

Contact number: 8886668242

Dr. P. Sreeramachandra,

Professor, CSE, GIET-(A).

Email.id: psr@giet.ac.in

Contact number: 9949862634

Name of the Coordinator: Mr. D. Phani Kumar

Number of students attended: 103

Number of faculty involved: 5

Venue: ABC Lab, VB BLOCK, GIET-(A)

Objectives of the Program:

- Provide participants with an overview of the field of data science, its importance, and its applications across various industries.
- Introduce Python as a powerful programming language for data manipulation, analysis, and visualization.
- Teach participants how to collect, clean, and preprocess data from various sources, including structured databases and unstructured text or image data.
- Guide participants through techniques for data visualization, summary statistics, and data exploration using Python libraries such as Matplotlib, Pandas, and Seaborn.


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- Introduce the fundamentals of machine learning, including supervised and unsupervised learning techniques.
- Teach participants how to create informative and compelling data visualizations using Python libraries like Matplotlib, Seaborn, and Plotly.

Topics covered:

- Introduction to Data Science and Python
- Data Preprocessing and Cleaning
- Machine Learning Fundamentals:
- Data Visualization and Communication:
- Advanced Topics in Data Science

Outcomes of the Program:

On Completion of this course, the students will be able to

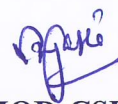
- Demonstrate the ability to write Python code to efficiently manipulate, preprocess, and analyse data.
- Identify and handle missing data, outliers, and anomalies in datasets
- Develop, train, and evaluate machine learning models using scikit-learn. Apply regression and classification algorithms to solve real-world problems.
- Create effective visualizations using Python libraries like Matplotlib, Seaborn, and Plotly to convey insights from data.
- Apply natural language processing (NLP) techniques to analyze and extract insights from textual data



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HOD-CSE

Head of the Department
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Date: 21-10-2020

PROGRAM REPORT

Name of the Event: EXPLORING DESIGN AND DRAFTING IN THE DIGITAL AGE

Date: 12-10-2020 to 16-10-2020

Resource Persons: S V H PRASAD Assistant Professor, CE, GIET(A).

Email.id: svhprasad@gieta.ac.in

Contact number: 9886692214

RAJENDRA ALLA , Associate Professor, CE, GIET(A).

Email.id: rajendraalla@gieta.ac.in

Contact number: 9961748488

Name of the Coordinator: Mr. A. Rajendra

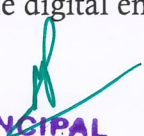
Number of students attended: 58

Number of faculty involved: 3

Venue: VB Block AVEVA Lab.

Objectives of the Program:

- Provide an overview of how digital tools have transformed the design and drafting processes.
- Explain the advantages of digital design over traditional methods.
- Introduce participants to popular digital design and drafting software applications, such as AutoCAD, Revit, SketchUp, or similar tools.
- Teach participants how to navigate the software interface.
Cover the basics of creating digital drawings, including setting up drawing sheets, layers, and scales. Demonstrate how to create 2D and 3D drawings.
- Explore techniques for precise and efficient drafting in the digital environment, including drawing lines, shapes


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Topics covered:

- Introduction to AutoCAD and Digital Design
- Creating 2D Drawings and Geometric Shapes
- Advanced Drawing Techniques and Editing
- Introduction to 3D Modelling
- Assembling Projects and Layouts

Outcomes of the Program:

On Completion of this course, the students will be able to

1. Participants will gain a solid understanding of ArcGIS software, its interface, and tools, enabling them to confidently navigate and utilize the platform for various geospatial tasks.
2. Participants will learn how to source, import, organize, and manage different types of geospatial data within ArcGIS, ensuring efficient data workflows and accessibility.
3. Participants will cultivate spatial thinking skills, allowing them to recognize patterns, trends, and relationships within geospatial data, leading to informed decision-making.

1.  S. Vamitha Prasad
2.  A. Rajendra

Co-ordinator



HOD-CE

Head of the Department
CIVIL ENGINEERING
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Date: 09-02-2020

PROGRAM REPORT

Name of the Event: ENHANCING ENGINEERING SKILLS THROUGH FAMILY VALUES AND RELATIONSHIPS

Date: 01-02-2022 to 05-02-2022

Resource Persons: V.Kusuma Kumari , Professor, HBS, GIET(A).

Email.id: kusumakumari@gieta.ac.in

Contact number: 7883373216

Name of the Coordinator: S. Sunila Sailaja

Number of students attended: 78

Number of faculty involved: 3

Venue: RK Block Seminar Hall.

Objectives of the Program:

- Educate engineering students about Ayurvedic principles and practices to encourage a holistic approach to health. The objective is to help students understand that physical, mental, and emotional well-being are interconnected and that Ayurveda provides tools to maintain this balance.
- Equip students with Ayurvedic techniques and remedies to manage stress, anxiety, and improve mental clarity. Stress is a common issue among engineering students, and Ayurveda offers natural methods such as meditation, yoga, and herbal remedies to enhance mental well-being.
- Teach students about Ayurvedic dietary guidelines and home remedies that can boost immunity and prevent common ailments. By adopting Ayurvedic practices like consuming immunity-boosting herbs and maintaining a balanced diet, students can reduce their vulnerability to illnesses.
- Encourage engineering students to make healthier lifestyle choices, including daily routines (Dinacharya), seasonal adjustments (Ritucharya), and mindful eating habits. These Ayurvedic principles help individuals align their activities with natural rhythms and promote well-being.
- Foster an awareness of the environment and sustainable living practices in

engineering students through Ayurveda. Ayurveda emphasizes the importance of a harmonious relationship with nature, which can inspire students to consider eco-friendly choice

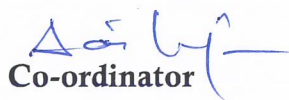
Topics covered:

- Introduction to Ayurveda
- Ayurvedic Dietary Practices
- Stress Management through Ayurveda
- Immunity and Preventive Care
- Ayurvedic Daily Routines and Lifestyle

Outcomes of the Program:

On Completion of this course, the students will be able to

- Following Ayurvedic daily routines helps individuals maintain balance in their physical and mental health. By aligning their activities with natural rhythms (Dinacharya), individuals can experience increased energy, improved digestion, better sleep patterns, and enhanced overall well-being.
- Ayurvedic practices like meditation, yoga, and daily self-care routines help individuals manage stress effectively. This leads to reduced anxiety, greater emotional stability, and improved mental clarity, enabling individuals to navigate the demands of their daily lives with greater ease.
- By adopting Ayurvedic lifestyle practices, individuals can strengthen their immune systems and reduce the risk of chronic illnesses. This preventive approach to health can lead to a longer and healthier life, as it promotes immunity and resistance to common ailments.


Co-ordinator


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Date: 20.11.2020

PROGRAM REPORT

Name of the Event: BLOCKCHAIN AND ITS APPLICATIONS

Date: 13.10.2020 to 19.11.2020

Resource Persons: Dr. B. Sujatha,

Professor, CSE, GIET-(A).

Email.id: hod.cse@giet.ac.in

Contact number: 8886668242

Dr. J. M. S. V. Ravi Kumar,

Professor, CSE, GIET-(A).

Email.id: ravikumar.jmsv@giet.ac.in

Contact number: 9490503985

Name of the Coordinator: Mr. D. Phani Kumar

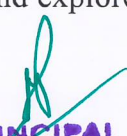
Number of students attended: 100

Number of faculty involved: 5

Venue: ABC Lab, VB BLOCK, GIET-(A)

Objectives of the Program:

- Provide participants with a fundamental understanding of blockchain technology, including its history, underlying concepts, and the role of decentralized ledgers.
- Explore the architecture of a typical blockchain network, including nodes, miners, and the blockchain itself.
- Demonstrate the development of simple smart contracts and their deployment on blockchain platforms.
- Discuss the advantages and challenges of using blockchain for specific use cases, emphasizing transparency, security, and trust. Allow participants to create and interact with a basic blockchain, conduct transactions, and explore blockchain development platforms


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Topics covered:

- Introduction to Blockchain Technology
- Blockchain Security and Cryptography
- Smart Contracts and Decentralized Applications (DApps)
- Blockchain Consensus Mechanisms
- Blockchain Applications and Case Studies

Outcomes of the Program:**On Completion of this course, the students will be able to**

- Demonstrate a clear understanding of blockchain technology, its components, and its underlying principles.
- Apply cryptographic techniques to secure transactions and data on a blockchain.
- Design and implement smart contracts using relevant programming languages.
- Compare and contrast various consensus mechanisms, including Proof of Work, Proof of Stake, and others.
- Analyze and discuss the potential of blockchain technology in various industries, such as finance, supply chain, healthcare, and more


Coordinator
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Date:30/03/2020

PROGRAM REPORT

Name of the Event : PYTHON BASED ROBOT AUTOMATION FRAMEWORK

Date : 20-01-2020 to 28-03-2020

Resource Persons : Mr. D.Vijendra kumar, Assistant Professor ECE, GIET(A)

Email Id : vijendra@giet.ac.in

Contact number : 7799002213

Mr. Ch. Rajesh Babu, Assistant Professor ECE, GIET(A)

Email Id : chrajesh@giet.ac.in

Contact number : 9985979377

Name of the coordinator : Mr. Ch. Rajesh Babu

Number of students attended : 53

Number of faculty involved: 4

Venue : Main Block, Simulation Lab

Objectives of the Program :

- To know the basic knowledge on robot automation
- To impart the knowledge to the students with python Programming
- Learn core python scripts elements
- Write python functions to facilitate code reuse
- Discover how to work with lists and sequence data
- Write python to read and write files

Topics covered :

- Introduction to Robot Automation.
- Python Basics.
- Introduction to Robotics.



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- Sensing and Perception.
- Actuation and Control.
- Robot Operating System (ROS).

Outcome of the Program :

- On Completion of this course, the students will be able to

1. Develop a strong foundation in Python programming, including syntax, data types, control structures, and functions.
2. Gain knowledge about basic robotics concepts, kinematics, dynamics, sensors, actuators, and control systems.
3. Understand the architecture of ROS, its core components, and how to create nodes, publish and subscribe to topics, and work with messages.
4. Acquire the ability to create and simulate robot models using tools like Gazebo or Webots..
5. Learn how to interface with various sensors, process sensor data (e.g., images), and perform tasks like object detection and recognition


Coordinator


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HOD-ECE
Head of the Department
Department of
ELECTRONICS & COMMUNICATION ENGG.
GODAVARI INSTITUTE OF
ENGINEERING & TECHNOLOGY (A)
Rajamahendravaram-533 296.

Date:16-10-2020

PROGRAM REPORT

**Name of the Event: A Workshop on Erection of Hybrid power plant
(Solar and wind) of 2.2KW**

Date: 12-10-2020 to 16-10-2020

Resource Persons: Dr. D. Ravi Kishore, Professor & HOD-EEE, GIET(A)

Email ID: hod.eee@giet.ac.in

Contact No: 8886668239

B. Kavya Santhoshi

Assistant Professor, EEE, GIET(A) EEE

Email.id: kavyasanthoshi@giet.ac.in

Contact number: 9884887092

Name of the Coordinator: B. Kavya Santhoshi

Number of students attended:

60

Number of faculty involved: 5

Venue: Power Electronics Lab, Main Block

Objectives of the Program:

- To Impart the Knowledge to the students with commissioning of Solar Power
- Learn Components of Solar power Plant


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- Harvesting Solar energy

Topics covered:

- Introduction to Solar Power plant of 2.2KW
- Components of Solar power Plant
- Design of PV cell
- Design of inverter
- Design of Battery
- Harvesting Solar energy

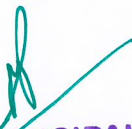
Outcomes of the Program:

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

1. Understand importance of Solar energy.
2. Understand the components of a 2.2 KW plant
3. Design Solar power plant



Co-Ordinator



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HOD-EEE
Head of the Department
Electrical & Electronics Engg.
GIET(A), RAJAMAHENDRAVARAM

**GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

NH-16, Chaitanya Knowledge City, Rajahmundry

Department of Mechanical Engineering

Date: 10-8-2020

PROGRAM REPORT

Name of the Event: Introduction to MATLAB Programming

Date: 3-08-2020 to 8-08-2020

Resource Person: Mr. SK NAYEEM,

Assistant Professor, ME, GIET (A).

Email Id: shaiknayeem@giet.ac.in

Contact Number: 7095754195

Mr. K.SREENIVASA REDDY,

Assistant Professor, ME, GIET (A).

Email Id: ksreddy@giet.ac.in

Contact Number: 9492143415

Name of the Co-ordinator: Mr. K.SREENIVASA REDDY.

Number of students attended: 45

Number of faculty involved: 3

Venue: MB - SIMULATION LAB, GIET (A)

Objectives of the Program:

The main objectives of the program are:

- To provide students an understanding of the expectations of industry
- To improve employability skills of engineering students
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills.


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Topics covered:

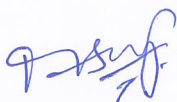
- Syntax and interactive computations
- Programming in MATLAB using scripts and functions
- Rudimentary algebra and analysis
- One- and two-dimensional graphical presentations
- Examples on engineering applications.

Outcomes of the Program:

On Completion of this course, the students will be able to

- Able to use MATLAB for interactive computations.
- Familiar with memory and file management in MATLAB.
- Able to generate plots and export this for use in reports and presentations.
- Able to program scripts and functions using the MATLAB development environment.
- Able to use basic flow controls (if-else, for, while).
- Familiar with strings and matrices and their use.


Co-ordinator


HOD- ME

Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRAM


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