

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: 16-04-2019

PROGRAM REPORT

Name of the Event: GETTING STARTED WITH STRUCTURAL MODELING AND ANALYSIS BY USING STAAD.Pro

Date: 10-12-2018 to 11-04-2019

Resource Persons: RAJESH VIPPARATHY, Assistant Professor, CE, GIET(A).

Email.id: rajeshvipparthy@giет.ac.in

Contact number: 9886693214

VASU DEV BANDARU, Associate Professor, CE, GIET(A).

Email.id: vasudevbandaru@giет.ac.in

Contact number: 9861744488

Name of the Coordinator: Mr. V. Rajesh

Number of students attended: 58

Number of faculty involved: 5

Venue: MB Block AVEVA Lab.

Objectives of the Program:

- Provide an overview of the fundamental concepts of structural engineering, including loads, supports, and basic design principles.
- Familiarization with STAAD.Pro Interface: Introduce participants to the STAAD.Pro user interface, including the main menu, toolbars, and project workspace.
- Creating a Structural Model: Teach participants how to create a 3D structural model within STAAD.Pro, including defining geometry, members, and connections.
- Applying Loads and Boundary Conditions: Show how to apply various types of loads (e.g., dead loads, live loads, wind loads) and boundary conditions to the structural model. Explain how to assign material properties to structural elements, including concrete, steel, and other materials.

PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRY

- Analyzing the Structure: Guide participants through the process of performing structural analysis, including linear and nonlinear analysis, load combinations, and result interpretation.

Topics covered:

- Introduction to Surveying and Total Station
- Total Station Operation and Measurement Techniques
- Data Collection and Field Procedures
- Data Processing and Analysis
- Construction Layout and Stakeout
- Emerging Trends and Future Developments

Outcomes of the Program:

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

1. Understand the basic components and functionalities of a Total Station.
2. Apply fundamental concepts of surveying, including coordinate systems, measurement units, angles, and distances.
3. Collect precise field data using the Total Station for various surveying tasks such as topographic surveys, boundary surveys, construction layout, and more.

1. *Pg* V. Rajesh

2. *Vnu* B. VasuDev

Co-ordinator


PRINCIPAL
 Godavari Institute of Engineering &
 Technology (Autonomous)
 NH-16, Chaitanya Knowledge City,
 RAJAMAHENDRAVARAM-533 296


HOD-CE
 Head of the Department
 CIVIL ENGINEERING
 GODAVARI INSTITUTE OF
 ENGINEERING & TECHNOLOGY (A,
 RAJAMAHENDRAVARAM-533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)

NH - 16, Chaitanya Knowledge City, GIET Campus, Rajamahendravaram,
Andhra Pradesh - 533296 Website: <http://www.giet.ac.in> principal@giet.ac.in

Date: 12.04.2019.

PROGRAM REPORT

Name of the Event: DATA VISUALIZATIONS WITH POWER BI

Date: 12.10.2018 to 11.04.2019

Resource Persons: Dr. B. Sujatha,

Professor, CSE, GIET-(A).

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

Contact number: 8886668242Mr.

R. M. PATTANAYAK,

Associate Professor, CSE, GIET-(A).

Email.id: radhamohan.pattanayak@giet.ac.in

Contact number: 9861888744

Name of the Coordinator: Mr. K. V. K. SASIKANTH

Number of students attended: 100

Number of faculty involved: 5

Venue: VIRTUSA Lab, MB BLOCK, GIET-(A)

Objectives of the Program:

- Provide participants with an overview of Power BI as a data visualization and business intelligence tool.
- Explain the advantages of using Power BI for creating interactive and insightful data visualizations.
- Teach participants how to import and transform data from various sources into Power BI. Cover data cleaning, shaping, and modeling techniques to prepare data for visualization.
- Demonstrate how to design compelling and informative data visualizations using Power BI's drag-and-drop interface.
- Guide participants through the process of creating interactive dashboards and reports by combining multiple visualizations.


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

- Analyzing the Structure: Guide participants through the process of performing structural analysis, including linear and nonlinear analysis, load combinations, and result interpretation.

Topics to be covered:

- Introduction to Structural Analysis and STAAD.Pro
- Building Structural Models
- Load Types and Analysis
- Design and Code Compliance
- Reporting and Presentation

Outcomes of the Program:

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

1. Develop a strong foundational understanding of structural engineering principles, load types, and support conditions, essential effective structural analysis using STAAD.Pro .
2. Gain proficiency in navigating the STAAD.Pro software interface, efficiently creating 3D structural models, defining material properties, and applying boundary conditions.
3. utilize STAAD.Pro for automatic design and optimization of steel and concrete members based on international design codes, ensuring safe and economical structural solutions.

1. *Ry V. Rajesh*
2. *Van B. Vasu Dev*

Co-ordinator

[Signature]

HOD-CE

Head of the Department
CIVIL ENGINEERING
GODAVARI INSTITUTE OF
ENGINEERING & TECHNOLOGY (A,
RAJAHMUNDRAM-533 296

[Signature]
PRINCIPAL

Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chattanya Knowledge City,
RAJAHMENDRAVARAM-533 296

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:15/04/2019

PROGRAM REPORT

Name of the Event : EMBEDDED SYSTEMS – AN APPLICATION DRIVEN APPROACH

Date : 10-12-2018 to 11-04-2019

Resource Persons : Mr. Biswaranjan Barik, Associate Professor ECE, GIET(A)

Email Id : ranjan@giет.ac.in

Contact number : 9966188164

Mrs. K.V. Lalitha, Assistant Professor ECE, GIET(A)

Email Id : kvlalitha@giет.ac.in

Contact number : 9989612720

Name of the coordinator : Mrs. K.V. Lalitha

Number of students attended : 66

Number of faculty involved: 3

Venue : Main Block, Simulation Lab

Objectives of the Program :

- To impart the knowledge to students with introduction to embedded systems
- To impart the knowledge to the students with embedded system Programming
- Learn embedded system hardware basics
- Learn embedded software basics
- Discover how to work with data Communication Interfaces
- Write Embedded system programming functions



PRINCIPAL

**Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296**

- Statistics and Machine Learning Toolbox.

Outcome of the Program :

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

1. Familiarity with MATLAB Environment: Students should gain a solid understanding of the MATLAB interface.
2. Introduction to Toolboxes: Students should become acquainted with various toolboxes available in MATLAB.
3. Hands-on Toolbox Usage: Students should learn how to use key functions and features provided by selected toolboxes.
4. Problem Solving: Students should be able to identify problems that can be solved using MATLAB toolboxes.
5. Data Import and Manipulation: Students should learn how to import and manipulate data from various sources (files, databases, etc.) using toolbox functions.


Coordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chakanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


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

Date:11-04-2019

PROGRAM REPORT

Name of the Event: A Workshop on Erection of solar plant of 1KW

Date: 10-12-2018 to 11-04-2019

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

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

Contact No: 8886668239

Mrs. K. Saritha

Assistant Professor, EEE, GIET(A) EEE

Email.id: saritha.k@giet.ac.in

Contact number: 9492511954

Name of the Coordinator: Mrs. K. Saritha

Number of students attended: 64

Number of faculty involved: 5

Venue: Power Electronics Lab, Main Block

Objectives of the Program:

- To Impart the Knowledge to the students with Solar Power
- Learn Components of Solar power Plant
- Design of PV cell, inverter and battery
- Harvesting Solar energy


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

- Introduction to Solar Power
- 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 Solar plant
3. Design Solar power plant


Co-Ordinator


PRINCIPAL
**Godavari Institute of Engineering &
Technology (Autonomous)**
NH-16, Chakanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


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

Date: 28-09-2019

PROGRAM REPORT

Name of the Event: INDIAN CULTURE AND DRESS SENSE : PROFESSIONAL,PUBLIC AND HOME ATTIRE.

Date: 21.09.2019 to 25.09.2019

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

Email.id: sirisha@gieta.ac.in

Contact number: 8886662840

Name of the Coordinator: S. Sunila Sailaja

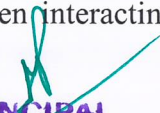
Number of students attended:73

Number of faculty involved: 3

Venue: RK Block Seminar Hall.

Objectives of the Program:

- Foster a deeper understanding of the rich and diverse culture of India, with a specific focus on the significance of attire in different social contexts. Participants will gain insight into the cultural, historical, and regional variations in Indian clothing.
- Equip individuals with the knowledge and skills to dress appropriately in professional settings. This includes understanding the nuances of traditional and contemporary Indian attire for the workplace, helping participants make a positive impression and adhere to corporate dress codes.
- Teach individuals how to select and wear suitable attire for public outings, events, and gatherings. This involves understanding the appropriateness of various clothing choices for different occasions, helping individuals feel confident and culturally sensitive in public settings.
- Explore the significance of home attire in Indian culture and the importance of comfort and cultural values in clothing choices within the home environment. Participants will learn about traditional home attire, its symbolism, and how it reflects family and regional traditions.
- Encourage participants to embrace cultural diversity and respect the cultural norms and traditions of India. By understanding the significance of dress in Indian culture, individuals can engage with respect and sensitivity when interacting with people from


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,

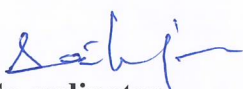
Topics covered:

- Course Introduction
- Physical and Mental Well-being
- Workplace Hygiene
- Work-Life Balance and Soft Skills
- Career Development

Outcomes of the Program:

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

- Engineers who complete this program will have a better understanding of the importance of self-care and hygiene practices in maintaining their physical and mental health. They will be equipped with practical tools and strategies to improve their well-being, reducing the risk of burnout and health-related issues.
- Participants will develop the skills and habits necessary for maintaining a healthy work-life balance and managing stress effectively. This will lead to increased productivity and a more professional approach to their engineering roles, ultimately benefiting their careers and organizations.
- The program will promote workplace hygiene practices, reducing the risk of illness and absenteeism among engineering teams. Engineers will be more aware of the importance of cleanliness in their workspace, contributing to a healthier and more productive work environment.


Co-ordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-HBS
Head of the Department
Department of
HUMANITIES & BASIC SCIENCES
GODAVARI INSTITUTE OF
ENGINEERING & TECHNOLOGY
RAJAMAHENDRAVARAM - 533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 11-03-2019

PROGRAM REPORT

Name of the Event: CYBER SECURITY FUNDAMENTALS

Date: 26-11-2018 to 09-03-2019

Resource Person: Mrs.T.M.Sirisha

Assistant Professor, Godavari Institute of Engineering & Technology

Email Id: sirisha@giel.ac.in

Contact Number: 8985945150

Name of the Coordinator: Mr. P. SIVA PRASAD

Number of students attended: 30

Number of faculty involved: 5

Venue: RK Block, MCA Lab

Objectives of the program:

- Identify key indicators of the cyber threat.
- Identify countermeasures to safeguard against cyber threats.
- Recognize the types of suspicious cyber events and behaviors that should be reported and identify how to report them.

Topics covered:

- Introduction to Cyber security
- Networking Fundamentals
- Cryptography
- Network Security


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296

Indian backgrounds, whether in professional, public, or personal settings|

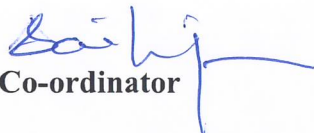
Topics covered:

- Traditional vs. Contemporary Attire.
- Regional Diversity in Attire.
- Dress Etiquette for Professionals.
- Occasional and Festival Attire.
- Home Attire and Daily Wear.

Outcomes of the Program:

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

- Participants will develop a heightened cultural sensitivity, understanding the significance of attire in Indian culture. They will learn to respect and appreciate the diversity of clothing choices in India, recognizing the importance of traditional attire, contemporary styles, and regional variations.
- Graduates of the program will be able to select and wear attire appropriately in different contexts, including professional settings, public outings, and within the home. They will have the knowledge to make informed clothing choices that align with cultural norms, ensuring they feel confident and respectful in their attire.
- The program will equip individuals with cross-cultural competence, enabling them to interact with people from Indian backgrounds in a culturally respectful manner. Participants will understand the role of attire in social interactions, fostering better communication and relationships with individuals from India and Indian diaspora communities|


Co-ordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-HBS
Head of the Department
Department of
HUMANITIES & BASIC SCIENCES
GODAVARI INSTITUTE OF
ENGINEERING & TECHNOLOGY
RAJAMUNDRY - 533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 16-12-2019

PROGRAM REPORT

Name of the Event: TRAINING IN UNIGRAPHICS

Date: 09-12-2019 to 14-12-2019

Resource Person: Mr.Sk.Avinash Kapil, Mr.D.Ajay Kumar

Name of the Co-ordinator: Mr.D.Ajay Kumar

Number of students attended: 41

Number of faculty involved: 5

Venue: Simulation lab

Objectives of the Program:

- To Have knowledge of basics of unigraphics, Learn how to create modelling
- To Have knowledge about Parametric based approach to design your models
- To Get complete knowledge on surface Modelling commands
- To have knowledge on assembly workbench

Topics covered:

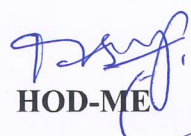
- 2D Sketches
- Sketch editing tools
- Sketch Practice
- 3D design basics
- 3D advance tools

Outcomes of the Program:

- Have knowledge of basics of unigraphics, Learn how to create modelling
- Have knowledge about Parametric based approach to design your models
- Get complete knowledge on surface Modelling commands
- Have knowledge on assembly workbench


Co-ordinator

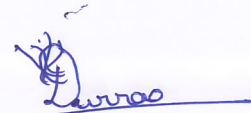

PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-ME
Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRY, A.P.

- Simulate every structural aspect, including linear static analysis, of a single part of an elaborate assembly with hundreds of components interacting through contacts or relative motions
- Perform fluid flow analysis to know the impact of fluid flows on the product while manufacturing and in real world applications
- Contribute to the success of products, product integrity, designing smart products and reduced time to market



Co-ordinator



HOD- ME

Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRY, A.P



PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 15-07-2019

PROGRAM REPORT

Name of the Event: TRAINING ON FINITE ELEMENT ANALYSIS

Date: 08-07-2019 to 13-07-2019

Resource Person: Mrs.E.Nirmala Devi, Mr. O. Sumith Kumar

Name of the Co-ordinator: Mrs.E.Nirmala Devi

Number of students attended: 44

Number of faculty involved: 3

Venue: Simulation lab

Objectives of the Program:

- To Validate the performance of products from all Manufacturing units
- To simulate every structural aspect, including linear static analysis, of a single part of an elaborate assembly with hundreds of components interacting through contacts or relative motions
- To perform fluid flow analysis to know the impact of fluid flows on the product while manufacturing and in real world applications
- To Contribute to the success of products, product integrity, designing smart products and reduced time to market

Topics covered:

- Structural analysis of a various types of beams
- Structural analysis of trusses
- Structural analysis of thin cylinders
- Structural analysis of thick cylinders
- Thermal analysis of Cylinder shells

Outcomes of the Program:

- Validate the performance of products from all Manufacturing units


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 05-09-2018

PROGRAM REPORT

Name of the Event: Orientation on Toolboxes in MATLAB

Date: 27.08.2018 to 01.09.2018

Resource Persons: Mr.K.Seetharamaraju , Assistant Professor ECE, GIET(A)

Email Id : seetaramaraju@giet.ac.in

Contact number : 9491440602

Mr. Srinivash Roula, Assistant Professor, ECE, GIET(A).

Email.id: srinivash@giet.ac.in

Contact number: 9337176566

Name of the Coordinator: Mr. Srinivash Roula

Number of students attended : 66

Number of faculty involved: 4

Venue : Main Block, Simulation Lab

Objectives of the Program :

- To impart the knowledge to the students with MATLAB Programming
- Learn MATLAB toolboxes such as mat lab operations
- Discover how to work with data import and visualization
- Write MATLAB functions to facilitate code reuse

Topics covered :

- Introduction to MATLAB and Toolboxes.
- Essential MATLAB Concepts and Operations.
- Data Import and Visualization.
- Image Processing Toolbox.
- Signal Processing Toolbox.


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

- Explain the methods for sharing Power BI reports and dashboards with others, including publishing to the Power BI service.

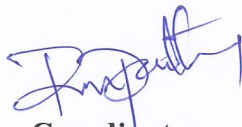
Topics covered:

- Create and design visualizations and dashboards for your intended audience
- Assess the quality of the data and perform exploratory analysis
- Combine the data to and follow the best practices to present your story

Outcomes of the Program:

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

- Understand any patterns, trends, or outliers in a data set.
- Creating reports and dashboards that present data sets in multiple ways using visuals
- Connecting various data sources, such as Excel sheets, onsite data warehouses, and cloud-based data storage, and then transforming them into business insights
- Turning data into a wide range of different visuals, including pie charts, decomposition trees, gauge charts, KPIs, combo charts, bar and column charts, and ribbon charts among many other options



Coordinator



PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296



HOD-CSE

Head of the Department
Computer Science & Engineering
Godavari Institute of Engineering & Technology (A)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM, A.P India. 533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)

NH - 16, Chaitanya Knowledge City, GIET Campus, Rajamahendravaram,
Andhra Pradesh - 533296 Website: <http://www.giet.ac.in> principal@giet.ac.in

Date: 11.10.2018

PROGRAM REPORT

Name of the Event: AWS CLOUD COMPUTING & FOUNDATIONS

Date: 21.08.2018 to 10.10.2018

Resource Persons: Dr. B. Sujatha,

Professor, CSE, GIET-(A).

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

Contact number: 8886668242Mr.

R. M. PATTANAYAK,

Associate Professor, CSE, GIET-(A).

Email.id: radhamohan.pattanayak@giet.ac.in

Contact number: 9861888744

Name of the Coordinator: Mr. K. V. K. SASIKANTH

Number of students attended: 100

Number of faculty involved: 4

Venue: VIRTUSA Lab, MB BLOCK, GIET-(A)

Objectives of the Program:

- Provide participants with a foundational understanding of cloud computing, its benefits, and its impact on modern technology.
- Explain key cloud computing models, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).
- Introduce participants to Amazon Web Services (AWS) and its vast ecosystem of cloud services.
- Highlight key AWS services such as Amazon EC2, Amazon S3, AWS Lambda, and Amazon RDS.
- Walk participants through the process of setting up an AWS account and configuring basic resources. Teach them how to create virtual machines, storage buckets, and databases in the AWS cloud.


PRINCIPAL

**Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296**

- Discuss AWS cost management principles, including cost allocation, budgeting, and monitoring.

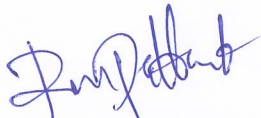
Topics covered:

- Architecting on AWS
- Compute and Networking Solutions
- Database Solutions
- Security and Identity Management
- Application Integration and Messaging

Outcomes of the Program:

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

- Understand the fundamental concepts of cloud computing and its benefits.
- Demonstrate a solid grasp of AWS services and their use cases.
- Create, configure, and manage virtual servers using Amazon EC2.
- Utilize Amazon S3 for scalable and durable object storage.
- Set up relational databases using Amazon RDS and manage data.


Coordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-CSE
Head of the Department
Computer Science & Engineering
Godavari Institute of Engineering & Technology (A)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM. A.P. India, 533 296

Date: 12-08-2018

PROGRAM REPORT

Name of the Event: VALUE-ADDED EDUCATION FOR ENGINEERS: SELF-CARE AND HYGIENE

Date: 06.08.2018 to 10.08.2018

Resource Persons: Dr. Ratna Priyadarshani, Assistant Professor, HBS, GIET(A).

Email.id: sivasai@giet.ac.in

Contact number: 9886663216

Name of the Coordinator: S. Sunila Sailaja

Number of students attended: 60

Number of faculty involved: 4

Venue: RK Block Seminar Hall.

Objectives of the Program:

- The program should aim to promote better physical and mental health among engineers. This includes educating them about the importance of regular exercise, a balanced diet, and stress management techniques to reduce the risk of burnout and health-related issues..
- Self-care practices can significantly boost an engineer's productivity. The program should teach time-management strategies, mindfulness techniques, and the importance of adequate sleep to help engineers optimize their work performance.
- By emphasizing good hygiene practices, such as proper handwashing and cleanliness in the workplace, the program can help reduce the spread of illnesses among engineering teams. Fewer sick days mean greater continuity and efficiency in project execution.
- Engineers often work long hours and may struggle with maintaining a healthy work-life balance. The program should provide tools and strategies for engineers to prioritize their personal lives, which can lead to increased job satisfaction and overall well-being.
- Self-care and hygiene are not only about physical health but also about personal growth. The program should encourage engineers to develop soft skills like communication, teamwork, and emotional intelligence. These skills can enhance their career prospects and job satisfaction..


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296

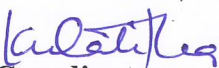
Topics covered :

- Introduction to Embedded Systems.
- Embedded Hardware Basics.
- Embedded Software Basics.
- Embedded System Design.
- Communication Interfaces
- Embedded System Programming

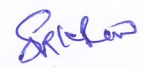
Outcome of the Program :

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

1. Understand the fundamental concepts of embedded systems, including their characteristics, components, and challenges.
2. Develop embedded software using programming languages such as C and C++ for various microcontroller architectures.
3. Design and implement real-time systems using RTOS, including task scheduling, synchronization, and memory management.
4. Design and implement a complete embedded system for a specific application, considering hardware-software co-design and real-time constraints.
5. Collaborate effectively in teams to design, develop, and test complex embedded systems projects.


Coordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-ECE

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

Date:01-09-2018

PROGRAM REPORT

Name of the Event: A Workshop on Designing of solar plant of 1KW

Date: 27-08-2018 to 01-09-2018

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

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

Contact No: 8886668239

Mrs. K. Saritha

Assistant Professor, EEE, GIET(A) EEE

Email.id: saritha.k@giet.ac.in

Contact number: 9492511954

Name of the Coordinator: Mrs. K. Saritha

Number of students attended: 64

Number of faculty involved: 5

Venue: Power Electronics Lab, Main Block

Objectives of the Program:

- To Impart the Knowledge to the students with Solar Power
- Learn Components of Solar power Plant
- Design of PV cell, inverter and battery
- Harvesting Solar energy

Topics covered:


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

Topics covered:

- Introduction to Solar Power
- Components of Solar power Plant
- Process of erecting a solar plant
- 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 erection process of solar plant


Co-Ordinator
PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chakanya Knowledge City,
RAJAMAHENDRAVARAM-533 290
HOD-EEE
Head of the Department
Electrical & Electronics Engg.
GIET(A), RAJAMAHENDRAVARAM

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 01-10-2018

PROGRAM REPORT

Name of the Event: PYTHON FOR MASTERING MACHINE LEARNING

Date: 07-07-2018 to 29-09-2018

Resource Persons: Mrs. R.TAMILKODI

Associate Professor, Godavari Institute of Engineering & Technology

Email Id: tamil@giel.ac.in

Contact Number: 9866383601

Mr. P. SIVA PRASAD

Assistant Professor, Godavari Institute of Engineering & Technology

Email Id: sivaprasad@giel.ac.in

Contact Number: 7780603107

Name of the Coordinator: Mr. P. SIVA PRASAD

Number of students attended: 30

Venue: RK Block, MCA Lab

Objectives of the program:

- Appreciate the breadth & depth of ML applications and use cases in real-world scenarios.
- Data preprocessing techniques, Univariate and Multivariate analysis, Missing values and outlier treatment etc
- Implement various type of classification methods including SVM, Naive bayes, decision tree, and random forest
- Interpret Unsupervised learning and learn to use clustering algorithms
- Build real-world solutions using MLP


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

- Cyber Threats and Attack Techniques
- Ethical Hacking and Penetration Testing

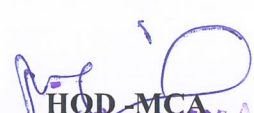
Outcomes of the program:

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

- Strong Foundation in Cyber security
- Cryptography Skills
- Hands-On Technical Skills
- Threat Detection and Mitigation


Coordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


HOD-MCA
Head, Dept. of Computer Applications
Godavari Institute of Engg & Technology
NH-16, Chaitanya Knowledge City
Rajahmundry - 533296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

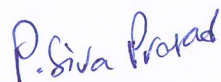
Topics to be covered:

- Introduction to Machine Learning and Python Basics
- Data Pre-processing and Exploratory Data Analysis
- Supervised Learning: Regression
- Supervised Learning: Classification
- Unsupervised Learning: Clustering and Dimensionality Reduction
- Introduction to Neural Networks and Deep Learning

Outcomes of the program:

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

- Understand Machine Learning Fundamentals
- Perform Data Pre-processing and EDA
- Implement Regression Models
- Build Classification Models


Coordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296


HOD-MCA
Head, Dept. of Computer Applications
Godavari Institute of Engg & Technology
NH-16, Chaitanya Knowledge City
Rajahmundry - 533296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 26-11-2018

PROGRAM REPORT

Name of the Event: EMPLOYABILITY SKILLS

Date: 19-11-2018 to 24-11-2018

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

Email.id: prkraj@giет.ac.in

Contact number: 7799772599

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: 60

Number of faculty involved: 4

Venue: VB BLOCK

Objectives of the Program:

- The students will try to learn:
- Techniques of Career planning and Goal Setting
- Group Discussion Techniques
- Role of Non-Verbal Communication during Group Discussion and Interviews

Topics covered:

- Activity on ensure contribute to the group
- Activity on manage body language
- Activity on manage conflicts effectively

PRINCIPAL

**Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMENDRAVARAM-533 296**

- Activity on manage time
- Activity on Include others
- Activity on ensure a team player
- Activity on communication
- Activity on analysis and interpretation
- Activity on team working
- Activity on influencing
- Activity on change work culture
- Activity on gang composition

Outcomes of the Program:

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

1. Plan the achievable career goals
2. Eliminate the stage fear for effective communication
3. Attain confidence and positive attitude at work place

Ch. nageswari
Co-ordinator

P.R. Raja
HOD-DMS

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

[Signature]
**PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296**

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 26-11-2018

PROGRAM REPORT

Name of the Event: EMPLOYABILITY SKILLS

Date: 19-11-2018 to 24-11-2018

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

Email.id: prkraj@giет.ac.in

Contact number: 7799772599

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: 60

Number of faculty involved: 4

Venue: VB BLOCK

Objectives of the Program:

- The students will try to learn:
- Techniques of Career planning and Goal Setting
- Group Discussion Techniques
- Role of Non-Verbal Communication during Group Discussion and Interviews

Topics covered:

- Activity on ensure contribute to the group
- Activity on manage body language
- Activity on manage conflicts effectively



PRINCIPAL

**Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHENDRAVARAM-533 296**

- Activity on manage time
- Activity on Include others
- Activity on ensure a team player
- Activity on communication
- Activity on analysis and interpretation
- Activity on team working
- Activity on influencing
- Activity on change work culture
- Activity on gang composition

Outcomes of the Program:

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

1. Plan the achievable career goals
2. Eliminate the stage fear for effective communication
3. Attain confidence and positive attitude at work place

Ch. Sageswari
Co-ordinator


PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296


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

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 13-08-2018

PROGRAM REPORT

Name of the Event: TRAINING IN ANSYS

Date: 06-08-2018 to 11-08-2018

Resource Person: Mr. Shaik Nayeem, Mr.D.Suman

Name of the Coordinator: Mr. Sk.Nayeem

Number of students attended:42

Number of faculty involved: 4

Venue: Simulation lab

Objectives of the Program:

- To Validate the performance of products from all Manufacturing units
- To simulate every structural aspect, including linear static analysis, of a single part of an elaborate assembly with hundreds of components interacting through contacts or relative motions
- To perform fluid flow analysis to know the impact of fluid flows on the product while manufacturing and in real world applications
- To Contribute to the success of products, product integrity, designing smart products and reduced time to market

Topics covered:

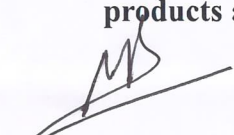
- Structural analysis of a various types of beams
- Structural analysis of trusses
- Structural analysis of thin cylinders
- Structural analysis of thick cylinders
- Thermal analysis of Cylinder shells

Outcomes of the Program:

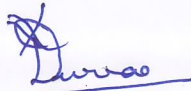
- Validate the performance of products from all Manufacturing units


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

- Simulate every structural aspect, including linear static analysis, of a single part of an elaborate assembly with hundreds of components interacting through contacts or relative motions
- Perform fluid flow analysis to know the impact of fluid flows on the product while manufacturing and in real world applications
- Contribute to the success of products, product integrity, designing smart products and reduced time to market


Co-ordinator

(Shaik Nazim)



HOD- ME

Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRA A.P



PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 296

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

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

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

Date: 24-12-2018

PROGRAM REPORT

Name of the Event: TRAINING IN AUTOCAD

Date: 17-12-2018 to 22-12-2018

Resource Person: Mr. D.Ajay Kumar, Mr. B. Jogarao

Name of the Co-ordinator: Mr. D. Ajay Kumar

Number of students attended: 40

Number of faculty involved: 5

Venue: Simulation lab

Objectives of the Program:

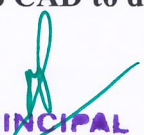
- To become familiar with the Auto CAD user Interface
- To Understand the fundamental concepts and features of Auto CAD
- To use the precision drafting tools in Auto CAD to develop accurate technical drawings
- To present drawings in a detailed and visually impressive manner
- To develop a level of comfort and confidence with Auto CAD through hands-on experience

Topics covered:

- Introduction to AutoDesk Auto Cad
- Organizing your drawing with layers
- Printing your drawing, Hatching, adding dimensions
- Drawing Precision in AutoCad
- Projects-Creating more complex objects

Outcomes of the Program:

- Become familiar with the Auto CAD user Interface
- Understand the fundamental concepts and features of Auto CAD
- Use the precision drafting tools in Auto CAD to develop accurate technical drawings


PRINCIPAL
Godavari Institute of Engineering & Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAHMUNDRAVADAM, 533 296

- Present drawings in a detailed and visually impressive manner
- Develop a level of comfort and confidence with Auto CAD through hands-on experience



Co-ordinator



HOD- ME
Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDY A.P



PRINCIPAL
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM-533 298