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: 30.09.2019

PROGRAM REPORT

Name of the Event: INTRODUCTION TO ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Date: 06.07.2019 to 28.09.2019

Resource Persons: Dr. B. Sujatha,

Professor, CSE, GIET-(A).

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

Professor, CSE, GIET-(A).

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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 foundational understanding of what artificial intelligence and machine learning are and their significance in various industries.
- Introduce participants to core machine learning concepts, including supervised learning, unsupervised learning, and reinforcement learning.
- Offer hands-on experience by guiding participants through the process of setting up a machine learning development environment.
- Provide practical exercises using popular ML libraries and tools, such as scikit-learn and Jupyter notebooks.
- Focus on supervised learning, where participants learn to build predictive models from labeled data.
- Introduce unsupervised learning and clustering algorithms

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- Show participants how to use clustering techniques to group data points with similar characteristics

Topics covered:

- Introduction to AI and ML
- Data Preprocessing and Exploration
- Machine Learning Algorithms
- Deep Learning and Neural Networks
- AI Ethics and Real-world Applications

Outcomes of the Program:

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

- Ability to Build Predictive Models.
- Understanding of Deep Learning techniques.
- Understanding of ethical considerations in AI and ML, allowing you to design and deploy models that are fair, unbiased, and transparent.
- Apply AI and ML techniques to solve real-world problems across industries.
- Learn how to analyze data, extract meaningful patterns, and make data-driven decisions.

Coordinator

HOD-CSE

Head of the Department
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