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Report on Virtual Guest Lecture on "Machine Learning Techniques: An Overview"

Organised by
Department of Electrical and Electronics Engineering
16.08.2023

Venue: Seminar Hall-B

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamaya Dist., Andhra Pradesh

Organized by
Department of Electrical & Electronics Engineering
Virtual Guest Lecture
**Machine Learning Techniques:
An Overview**

Resource Person
Dr.G. Parthasarathy
Assistant Professor
School of Computer Science & Engineering
VIT University, Vellore.

Date & Time : 16-08-2023 & 10.30 AM

Chief Patron: Dr.N.Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent
Patron: Mrs.Keerthi Nadella, Executive Director
Program Chair: Dr.C.Kuraji, Principal
Coordinators: Dr.J.Jawahar Babu, Assistant Professor/EEE
Convener: Dr.A.V.Pavan Kumar, Professor & HoD/EEE

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Submitted by: Dr. J. Jawahar Babu, Assistant Professor, Dept. of EEE, Madanapalle Institute of Technology & Science, Andhra Pradesh, India.

Total Participants: 110 Students and Faculty.

Resource Person: Dr.G. Parthasarathy, Assistant Professor, School of Computer Science& Engineering, VIT University, Vellore, Tamil Nadu

The Department of Electrical and Electronics Engineering at Madanapalle Institute of Technology and Science in Andhra Pradesh, India, has organized a Virtual Guest Lecture on "**Machine Learning Techniques: An Overview**" on 16th of August, 2023. The lecture was attended by approximately 110 MITS participants, including faculty.

A summary of the Guest Lecture is as follows:

The program started at 10:25 in the morning. Dr. A.V. Pavan Kumar, Professor and Head of EEE, MITS, welcomed the resource person, faculty members, and students. He thanked the Management and Principal for giving permission and financial support to organize this program. He has emphasized the importance of Machine Learning Techniques and Applications of Machine Learning to the students.

Dr. J. Jawahar Babu, an Assistant professor in the EEE department, briefly introduced the resource person, Dr. G. Parthasarathy, and then handed over the session to him. Dr. T.S. Balaji Damodhar, Assistant Professor in the Department of EEE, extended his support for the smooth conduction of the program.

The resource person (Dr. G. PARTHASARATHY) started the session by offering hearty thanks to the participants, organizing members, HoD, Principal, and Management of MITS Madanapalle. At the outset, he briefed on various discrete domains where machine learning principles have already been implemented. Then he started discussing different learning concepts, i.e., supervised, unsupervised, semi-supervised, and reinforcement Learning. Finally, he gave a live demo on classification and Regression problems, which comes under supervised learning.

The session was concluded at 11.55 AM, followed by a vote of thanks given by the Coordinator of the Virtual Guest Lecture Dr.J. Jawahar Babu, Assistant Professor, Department of EEE, MITS, Madanapalle.

Outcomes of the Guest Lecture:

- Gained a complete understanding of machine learning and its types.
- Acquired valuable insights on recent machine learning research
- Understood the real-world applications of machine learning
- Learned to develop and validate a model from training data

Images:

