



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2022 - Band: 251-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



Department of Computer Science & Engineering

Report on
5 Days Online Workshop
on
Recent Trends in Machine Learning and BigData
in association with Computer Society of India
from 24.05.2023 to 31.05.2023

The poster features the Madanapalle Institute of Technology & Science logo at the top left and a '24th Anniversary' badge at the top right. The text reads: 'MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS INSTITUTION) Madanapalle-517325, Annamayya Dist., Andhra Pradesh'. Below this, it says 'Department of Computer Science & Engineering in Association with Computer Society of India (CSI) organizes 5 Days Online Workshop on Recent Trends in Machine Learning and BigData from 24.05.2023 to 31.05.2023'. A section titled 'Resource Person details:' lists five individuals with their photos and titles: Dr. K. Ananthajothi (Associate Professor, Dept. of CSE, Rajalakshmi Engineering College, Chennai), Dr. R. Nidhya (Professor, Dept. of CSE, MITS), Dr. D. Divya (Associate Professor, Dept. of CSE, Jerusalem College of Engineering, Chennai), Dr. S. Kusuma (Assistant Professor & Head, Dept. of CSE - Data Science, MITS), and Dr. N. Radha (Associate Professor, Department of IT, SSN College of Engineering, Chennai). At the bottom, roles are assigned: Chief Patron: Dr. N. Vijaya Bhaskar Choudary; Patron: Mrs. Keerthi Nadella; Program Chair: Dr. C. Yuvaraj; Co-Chair: Prof. Goutam Chakraborty; Convener: Dr. R. Kalpana; Coordinators: Mrs. V. Nirupa and Mrs. G.B. Renuka.

Submitted by Convener: Mr. G. Muthugurunathan, Assistant Professor, Dept. of CSE

Coordinators: Mrs. V. Nirupa, Assistant Professor, Dept. of CSE

Mrs. G. B. Renuka, Assistant Professor, Dept. of CSE

Resource Persons:

Dr. K. Ananthajothi, Associate Professor, Department of CSE, Rajalakshmi Engineering College, Chennai.

Dr. D. Divya, Associate Professor, Department of CSE, Jerusalem College of Engineering, Chennai.

Dr. N. Radha, Associate Professor, Department of IT, Sri Sivasubramania Nadar College of Engineering, Chennai.

Dr. S. Kusuma, Assistant Professor & Head, Department of CSE – Data Science, MITS

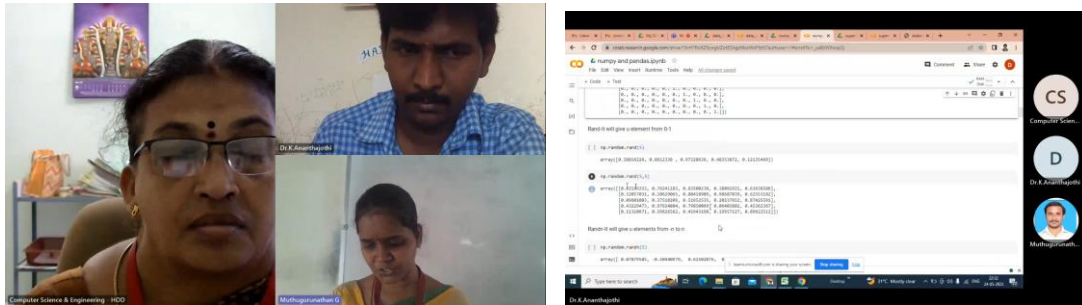
Dr. R. Nidhya, Professor, Department of CSE, MITS

Mode of Delivery: Online mode through Microsoft Teams

A 5 Days Online Workshop on Recent Trends in Machine Learning and BigData from 24.05.2023 to 31.05.2023 in virtual mode for III Year B. Tech CSE and CSE-IoT students.

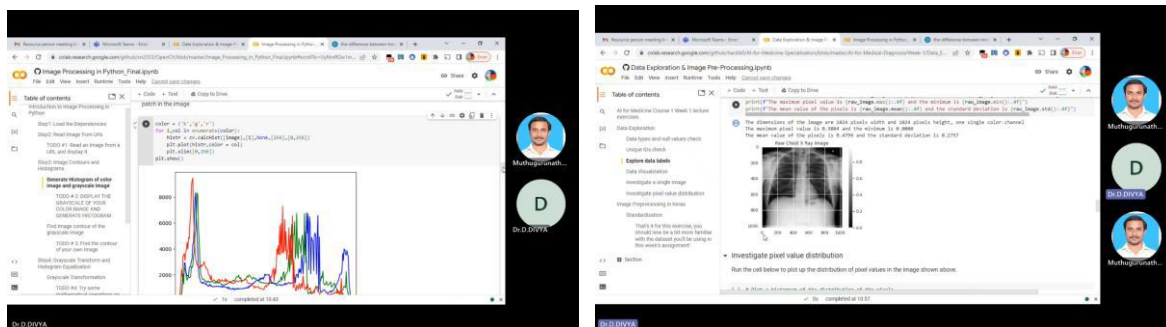
The programme started at 10.00 am with welcome address given by Dr. R. Kalpana, Professor and Head, Department of CSE. The resource person introduced by Mrs. G. B. Renuka, Assistant Professor, Dept. of CSE.

Day 1: 24.05.2023, Thursday



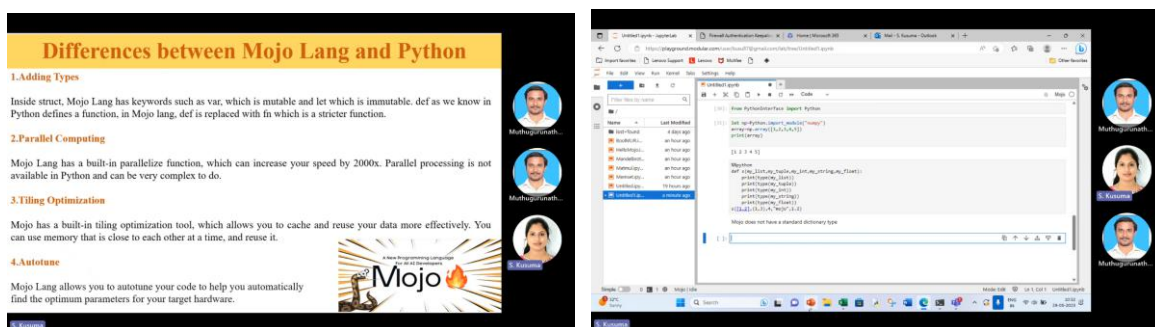
The resource person Dr. K. Ananthajothi, Associate Professor, Dept. of CSE, Rajalakshmi Engineering College, Chennai. He started with the session with explaining about the pre-processing of a dataset and demonstrated various functionalities using NumPy and Pandas libraries. Then he elaborated about the supervised learning algorithms in Machine Learning.

Day 2: 25.05.2023, Friday



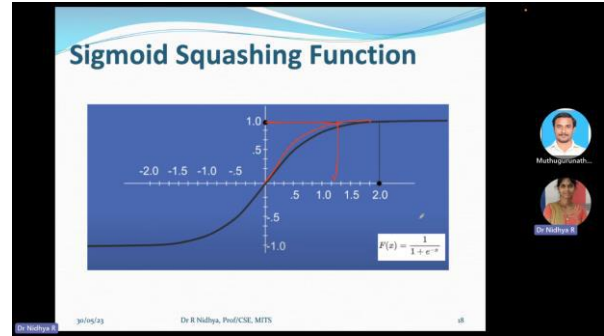
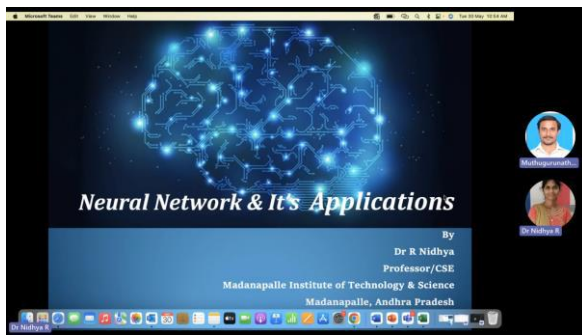
The resource person Dr. D. Divya, Associate Professor, Department of CSE, Jerusalem College of Engineering, Chennai. She started the session with demonstration of pre-processing of the images using Python libraries and explained about the various visualization techniques.

Day 3: 29.05.2023, Monday



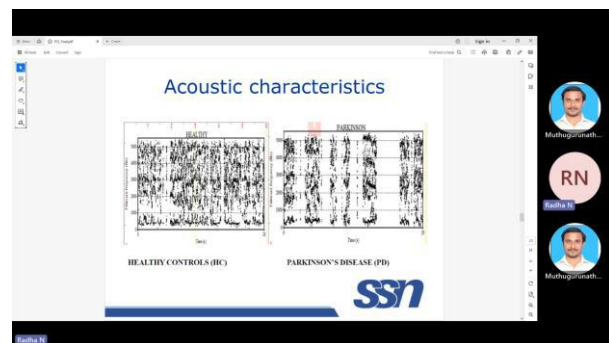
The resource person Dr. S. Kusuma, Assistant Professor & Head, Department of CSE – Data Science, MITS. She started the session with features of Mojo Programming Language and demonstrated several methods of Mojo programming language and concluded with comparison with Python and Mojo.

Day 4: 30.05.2023, Tuesday



The resource person Dr. R. Nidhya, Professor, Department of CSE, MITS. She started the session with the comparison of Artificial Intelligence, Machine Learning, Deep Learning, and Neural Networks and briefly explained about Neuron structure and various algorithms. She concluded with explaining about the various applications of Neural Networks.

Day 5: 31.05.2023, Wednesday



The resource person **Dr. N. Radha**, Associate Professor, Department of IT, Sri Sivasubramania Nadar College of Engineering, Chennai. She started the session with Parkinson's Disease detection using Machine Learning and demonstrated various algorithms.

Finally, the session was concluded by the vote of thanks delivered by Mrs. V. Nirupa, Assistant Professor, Dept. of CSE. She extended her thanks to the Management, Principal, HoD, all the resource persons and the students for the successful completion of this event.