

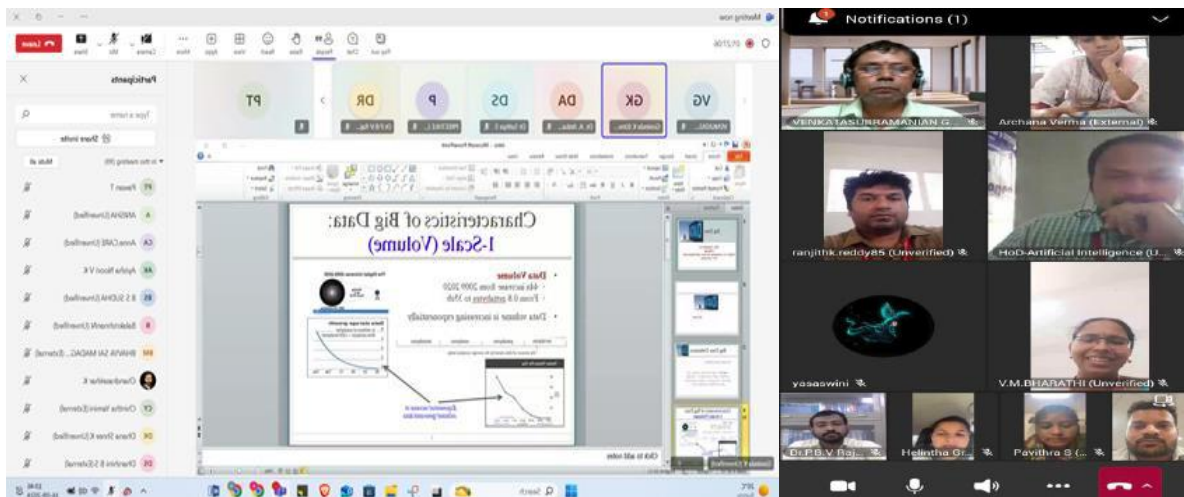
A Report on
Five-Days National Level Faculty Development Program on "Artificial Intelligence and Data Analytics"
Organized by Department of CSE- Artificial Intelligence
from 16.09.24 to 20.09.24

Distinguished Speakers		
Day 1 : 16.09.2024		
session : 1 Dr. R. Rajkumar Professor School of Computer Science & Engineering Vellore Institute of Technology, Vellore Topic: Big Data Analytics	session : 2 Dr. T. Sudhakar Assistant Professor Department of Computer Technology MIT Campus, Anna University, Chennai Topic: Introduction to Python for Data Science	session : 3 Dr. R. Kathioli Assistant Professor (SL Gr) Department of Computer Technology MIT Campus, Anna University, Chennai-44 Topic: Data Pre-processing and Visualization
Day 2 : 17.09.2024		
session : 1 Dr. Motahar Reza Head of School GITAM School of Science Hyderabad Topic: Neural Networks and Deep Learning	session : 2 Dr. Y. Nancy Jane Assistant Professor (SL Gr) Department of Computer Technology MIT Campus, Anna University, Chennai Topic: Machine learning and Metrics for Data Analytics	session : 3 Mr. Toralkar Pawan Assistant Professor Department of Computer Science & Engineering Madanapalle Institute of Technology & Science Topic: Data Visualization using Tableau
Day 3 : 18.09.2024		
session : 1 Dr. R. Kathioli Assistant Professor (SL Gr) Department of Computer Technology MIT Campus, Anna University, Chennai-44 Topic: Dimensionality Reduction	session : 2 Dr. T. Sudhakar Assistant Professor Department of Computer Technology MIT Campus, Anna University, Chennai Topic: Mathematical foundation Statistical analytics	session : 3 Dr. Basabi Chakraborty Professor & Dean Department of Computer Science & Engineering (Data Science) Madanapalle Topic: Time Series Analytics
Day 4 : 19.09.2024		
session : 1 Dr. K. Kottilingam Assistant Professor Department of Computer Technology MIT Campus, Anna University, Chennai Topic: Clustering K Means	session : 2 Dr. Y. Nancy Jane Assistant Professor (SL Gr) Department of Computer Technology MIT Campus, Anna University, Chennai Topic: Deep Learning for Data science	session : 3 Dr. R. Rajkumar Professor School of Computer Science & Engineering Vellore Institute of Technology, Vellore Topic: Cloud computing for Data science
Day 5 : 20.09.2024		
session : 1 Dr. Dhana Sree Devi Kumada Associate Professor Computer Science and Engineering GITAM School of Technology Hyderabad Topic: NLP: Text Mining	session : 2 Dr. Goutam Chakraborty Professor & Dean Department of Computer Science and Engineering Madanapalle Institute of Technology & Science, Madanapalle Topic: Bayesian Statistics and Parameter Estimation by Markov Chain Monte Carlo Algorithms	session : 3 Dr. R. Rajkumar Professor School of Computer Science & Engineering Vellore Institute of Technology, Vellore Topic: Predictive Analytics

A Five-days national level online faculty development program on “Artificial Intelligence & Data Analytics” was held by the department of Computer Science and Engineering (Artificial Intelligence) of Madanapalle Institute of Technology & Science, Madanapalle from 16.9.24 to 20.9.24.

On the first day there was an inaugural session. The inauguration was hosted by Dr. S. Sathya. Dr. Chokkanathan, H.O.D. CSE(AI) gave the welcome address. Vice Principal (Academics) Dr. R. Ramanathan gave the presidential address.

Experts from MIT, Chennai; Gitam University, Hyderabad; Vellore Institute of Technology, Vellore and Madanapalle Institute of Technology & Science Madanapalle shared their knowledge with the participants. Dr. R. Rajkumar held a session on Big data Analytics; Dr. foundation Statistical analytics; Dr. Y. Nancy Jane held sessions on Machine learning and Metrics for Data Analytics and Deep Learning for Data science; Mr. Pawan held a session on Data Visualization using Tableau; Dr. R. Kathioli conducted sessions on Data Pre-processing and Visualization and Dimensionality Reduction; Dr. Motahar Reza conducted session on Neural Networks and Deep Learning; Dr. Basabi Chakraborty threw light on Time Series Analytics; Dr. K. Kottilingam discussed Clustering K Means; Dr. Dhanasree spoke about NLP & Text Mining; Dr. Goutam Chakraborty explained in simple terms about Bayesian Statistics and Parameter Estimation by Markov Chain Monte Carlo Algorithms. Dr. T. Sudhakar held a session on Introduction to Python for Data Science and Mathematical foundation and statistical analysis.



There were 244 participants from different parts of the country including Punjab, Hyderabad, Telangana, Andhra Pradesh, Tamil Nadu and Puducherry. The participants came from different institutions such as Amrita University, Vellore Institute of Technology, Chennai, Congu College of Engineering, SRM Chennai etc. The participants were majorly faculty members, and others were research scholars and some students.

The sessions were interesting and interactive encouraging the participation of the attendees. The feedback was very encouraging. One of the participants declared that both in the aspect of theory and practical, the faculty development did justice.

The valedictory function included feedback given by the participants. The Vice Principal (Academics), Dr. R. Ramanathan and the H.O.D. CSE(AI), Dr. Chokkanathan gave the concluding speech. Dr. S. Sathya made a summary note. Mr. Pawan hosted the session and gave the Vote of Thanks.

Outcomes of the event:

The outcome of the faculty development program is to create an awareness of Artificial Intelligence to even a beginner. The topics of machine learning, deep learning which are the components of Artificial Intelligence were dealt with. The association of deep learning and neural networks was discussed. Text Mining which is a part of NLP (Natural Language Processing), again which uses machine learning was presented. Data pre-processing which is the first stage in Artificial Intelligence related arenas was presented. K Means Clustering which is a method of clustering in Artificial Intelligence. Python that is required for AI was explained. All the other topics related to Artificial Intelligence and Data Analytics were presented. The participants understood all the topics that were dealt with because of a simple presentation and due to interaction. The outcome is thus teaching learning AI and Data Analytics in a creative, easy to understand way.