MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(Deemed to be University)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA

A Report on Hands - on Workshop on "Data Science & Data Analysis"

Organized by Department of Electronics & Communication Engineering

in association with MITS Alumni Welfare Association

10.11.2025

Report Submitted by: Mr. G. Charan Kumar, Assistant Professor & Departmental Alumni Coordinator, Department of Electronics & Communication Engineering.

Resource Person Details: Mr. M. Nagabhushanam, Alumni of MITS, CEO, MindX Solutions, Bangalore; Mrs. P. Lakshmi Prasanna, Alumni of MITS, Data Scientist, SONATA Ltd., Bangalore.

Report Received on 21.11.2025.

Mode of Conduct: Offline

The Department of Electronics & Communication Engineering, Madanapalle Institute of Technology & Science (Deemed to be University), organized a one-day Hands-on Workshop on "Data Science & Data Analysis" on 10th November 2025 in association with the MITS Alumni Welfare Association (MITS AWA). The workshop was conducted in Seminar Hall – B from 10:00 AM to 4:00 PM.

The primary objective of the workshop was to provide participants with practical exposure to essential data science concepts, tools, and analytical techniques that are widely used in industry and research. Students were instructed to bring their laptops to ensure active participation in the hands-on sessions.

Resource Persons:

The workshop featured two distinguished resource persons who are also proud alumni of MITS:

1. Mr. M. Nagabhushanam, CEO, MindX Solutions, Bangalore, Alumni of MITS.
2. Mrs. P. Lakshmi Prasanna, Data Scientist, SONATA Ltd., Bangalore, Alumni of MITS.

Morning Session from 10:00 AM to 12:30PM
Welcome Speech by Dr S Rajasekaran Professor and Head of the ECE

It gives me great pleasure to warmly welcome you all to the Hands-on Workshop on "Data Science & Data Analysis", organized by the Department of Electronics and Communication Engineering in association with the MITS Alumni Welfare Association (MITS AWA).

First and foremost, we extend our heartfelt gratitude to our Management for their constant support and encouragement. We also thank our Vice Chancellor (I/c), Dr. C. Yuvaraj, for his continuous guidance that enables us to conduct such impactful academic events.

Today's workshop focuses on one of the most significant and rapidly growing fields—Data Science and Data Analysis. These technologies are transforming industries, research, and innovation across the world. Providing our students with hands-on exposure in such cutting-edge areas is essential for enhancing their skills and preparing them for future opportunities.

We are honored to have them back on our campus to share their expertise, industry experience, and practical insights. Their presence today inspires our students and highlights the strong academic foundation that MITS provides.

I extend a warm welcome to all faculty members, coordinators, and especially the students who are participating in this workshop. I encourage each one of you to make the best use of this learning opportunity, interact actively, and gain meaningful hands-on experience throughout the sessions.

Once again, I welcome you all to this workshop and wish you a productive and enriching learning experience.
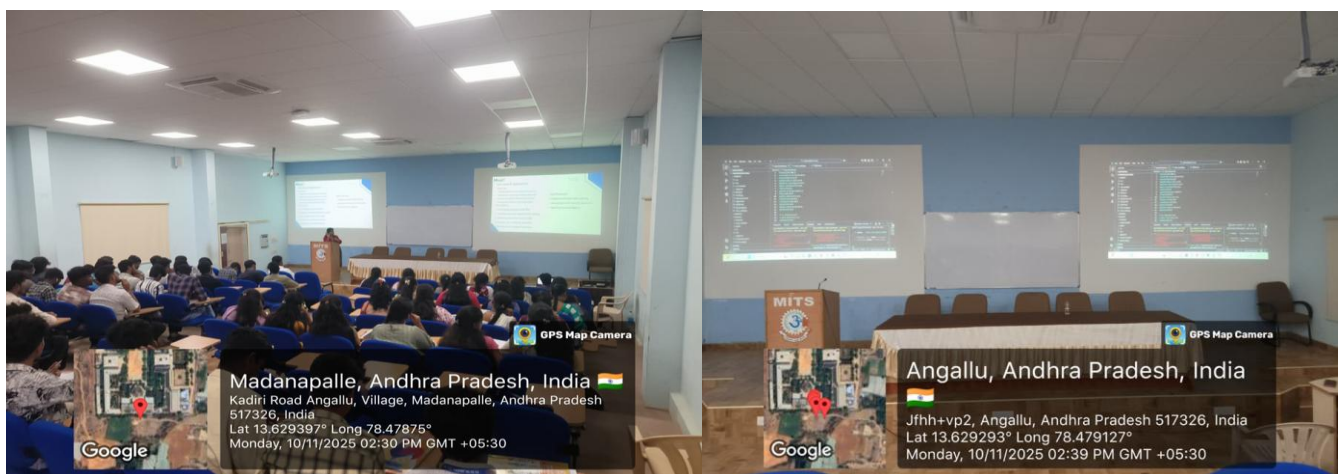
Welcome Speech by Dr G Nagaswetha Assistant Professor & Alumni Relation Officer

It gives me immense pleasure to welcome you all to this Hands-on Workshop on "Data Science & Data Analysis," organized by the Department of Electronics & Communication Engineering in association with the MITS Alumni Welfare Association (MITS AWA).

On behalf of the department, I extend a warm and respectful welcome to our management, faculty members, and dear students who are gathered here to make this event meaningful and successful.
Today's workshop holds great significance as Data Science and Data Analysis have become vital skill areas in the modern technological world. This workshop is designed to give our students essential hands-on exposure, practical understanding, and the opportunity to interact with industry experts.

I am delighted to see our alumni returning to campus as resource persons. Their achievements stand as an inspiration to our students, proving that the foundation built at MITS can lead to remarkable professional success. I encourage all participants to take full advantage of today's sessions, engage actively, and gain maximum learning from the hands-on activities planned throughout the day.

Welcome Speech by Dr R Kiran Kumar Assistant Professor Department of ECE
It is my great privilege to welcome you all to the Hands-on Workshop on "Data Science & Data Analysis", organized by the Department of Electronics & Communication Engineering in association with the MITS Alumni Welfare Association (MITS AWA).

This workshop has been thoughtfully designed to provide our students with valuable practical exposure in one of the most rapidly growing domains of the engineering world—Data Science and Data Analysis. As technology evolves, data-driven decision-making has become a core component across industries, making today's session highly relevant and beneficial.

We extend our warmest welcome to both of them and express our sincere gratitude for accepting our invitation. Their expertise, industry knowledge, and real-world experience will undoubtedly enrich today's workshop and inspire our students.

I also take this opportunity to thank our respected management, faculty colleagues, and members of the MITS Alumni Welfare Association for their continuous support in organizing such impactful academic events.

To all the participants, I encourage you to make the most of today's hands-on sessions. Learn actively, clarify your doubts, and explore the tools and techniques that will shape your future careers.

Mr. M. Nagabhushanam is a distinguished alumnus of Madanapalle Institute of Technology & Science (MITS) and currently serves as the Chief Executive Officer of MindX Solutions, Bangalore. With extensive experience in the IT industry, he has worked across various domains, specializing in Data Science, Data Analysis, Artificial Intelligence, and Enterprise Software Solutions.

As a resource person for the Hands-on Workshop on "Data Science & Data Analysis", covered few topics on Data Science and Analysis

1. Fundamentals and real-world applications of Data Science
2. Data preprocessing, cleaning, and transformation techniques
3. Practical approaches to Data Analysis
4. Tools and technologies widely used in the industry
5. Career opportunities and skill requirements in the data-driven ecosystem

His session provided participants with valuable insights into how data is used to solve complex problems and make informed decisions in modern industries. As a successful entrepreneur and proud MITS alumnus, he served as an inspiration for students aspiring to build careers in data science and emerging technologies.

Mrs. P. Lakshmi Prasanna, an accomplished Data Scientist at SONATA Ltd., Bangalore, and a proud Alumna of MITS. With extensive experience in handling real-world data, developing analytical models, and implementing data-driven solutions, she brings valuable industry insights to this workshop.

Her expertise spans across:

1. Data preprocessing and cleaning
2. Exploratory data analysis
3. Machine learning model development
4. Statistical interpretation and decision-making
5. Real-time applications of data science in industry

As a professional working in one of the leading technology firms, she has contributed to several impactful projects involving advanced analytics and business intelligence.

Today, she will be guiding participants through practical aspects of Data Science and Data Analysis, helping them understand modern tools, workflows, and methodologies used in industry.

Angallu, Andhra Pradesh, India

Jfhh+vp2, Angallu, Andhra Pradesh 517326, India
Lat 13.628778° Long 78.479335°
Monday, 10/11/2025 02:40 PM GMT +05:30

Madanapalle, Andhra Pradesh, India

Kadiri Road Angallu, Village, Madanapalle, Andhra Pradesh 517326, India
Lat 13.629427° Long 78.478727°
Monday, 10/11/2025 02:45 PM GMT +05:30

AFTERNOON SESSION from 02:00 PM to 04:00 PM

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Program Outcomes (POs) – Data Science & Data Analysis Workshop

1. Ability to Understand Core Concepts: Participants will gain a clear understanding of fundamental concepts in data science, data analysis, and their applications across various domains.

2. Data Handling and Preprocessing Skills: Participants will develop the ability to collect, clean, organize, and preprocess datasets for meaningful analysis.

3. Proficiency in Analytical Tools and Techniques: Participants will acquire hands-on experience with essential tools, programming languages, and techniques used in data analysis.

4. Data Visualization and Interpretation: Participants will learn how to create effective visualizations and interpret results to derive meaningful insights from data.

5. Problem-Solving Using Data-Driven Methods: Participants will be able to apply analytical thinking and data-driven approaches to solve simple to moderate-level problems.

Vote of Thanks

Mr. G. Charan Kumar, Assistant Professor & Alumni Coordinator, Department of ECE. It is my privilege to propose the Vote of Thanks on behalf of the Department of Electronics and Communication Engineering for today's Hands-on Workshop on "Data Science & Data Analysis", organized in association with the MITS Alumni Welfare Association (MITS AWA)

First and foremost, I express my sincere gratitude to our Management of MITS Deemed to be University for their continuous encouragement and support in organizing academic and skill-based programs for the benefit of our students.

My heartfelt thanks to our Dr C Yuvaraj Vice Chancellor (I/c) for his guidance and motivation in strengthening the academic ecosystem of our institution.

I extend my special gratitude to our Principal, Dr. Ramanathan, for his constant support, valuable suggestions, and encouragement in conducting workshops that enhance student learning.

I also take this opportunity to thank our Professor & Head of the Department, Dr. S. Rajasekaran, for his leadership, planning, and for facilitating this workshop effectively.

A sincere thanks to Dr. G. Naga Swetha, Assistant Professor & Alumni Relations Officer, for her coordination efforts, dedication, and continuous support in making today's event a success.

My thanks also go to Dr. R. Kiran Kumar, Assistant Professor, Department of ECE, for his active coordination and contribution throughout the event.

We extend our heartfelt appreciation to our esteemed resource persons and proud alumni of MITS:

Mr. M. Nagabhushanam, CEO, MindX Solutions, Bangalore

Mrs. P. Lakshmi Prasanna, Data Scientist, SONATA Ltd., Bangalore

Their valuable time, expert knowledge, and hands-on demonstrations have greatly enriched the learning experience of our students.

I also thank all our faculty members of the ECE Department for their cooperation and support in organizing this workshop smoothly.

A special thanks to all our students for their enthusiastic participation. Your active involvement has made this workshop truly meaningful and successful.

Finally, I thank everyone who contributed, directly or indirectly, to the success of this event.