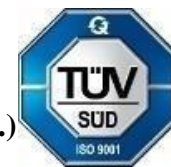




**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

**A Report on**  
**Five-day Inter-National Level Online Professional Development Program on**  
**“Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice”**  
**Organized by Department of Computer Science Engineering – (Data Science)**  
**from 21.07.2025 – July 25.07.2025**

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC - AUTONOMOUS INSTITUTION)  
MADANAPALLE - 517325, ANNAMAYYA DIST., ANDHRA PRADESH, INDIA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - **DATA SCIENCE**

International 5-Day Professional Development Program on

**FUTURE-READY SKILLS IN DATA SCIENCE & AI: BRIDGING ACADEMIA WITH INDUSTRY PRACTICE**

July 21 - 25, 2025 (Online Mode)

Why Attend?

- DEVELOP IN-DEMAND SKILLS IN DATA SCIENCE, AI, AND DATA ENGINEERING
- UNDERSTAND HOW TO BRIDGE ACADEMIC KNOWLEDGE WITH REAL-WORLD NEEDS.
- EXPLORE CUTTING-EDGE TOOLS, PLATFORMS, AND WORKFLOWS.
- RECEIVE A CERTIFICATE OF PARTICIPATION

RS 99/- (INDIANS)  
\$ 5 (OTHERS)

Register now

QR Code

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CHIEF PATRON	PATRON	PROGRAM CHAIR	CO-CHAIR	CONVENOR	FACULTY COORDINATOR
DR. N. VIJAYA BHASKAR CHOUHARY, PILD SECRETARY & CORRESPONDENT	MRS. KEERTHI NADELLA EXECUTIVE DIRECTOR	DR. C. YUVARAJ, PILD PRINCIPAL	DR. S. KUSUMA, PILD HOD, DEPT. OF CSE - DS	DR. MKIRAN KUMAR, PILD ASST. PROF CSE - DS	MRS. MANJULA PRABAKARAN ASST. PROF CSE - DS

**Report Submitted by: Dr. M. Kiran Kumar, Assistant Professor, Department of CSE- (Data Science); Mrs. Manjula Prabakaran, Assistant Professor, Department of CSE- (Data Science), MITS.**

**Total Participants: 136 Participants from all over India, and 7 International Participants.**

**Mode of Conduct: Offline**

**Report Received on 04.08.2025.**

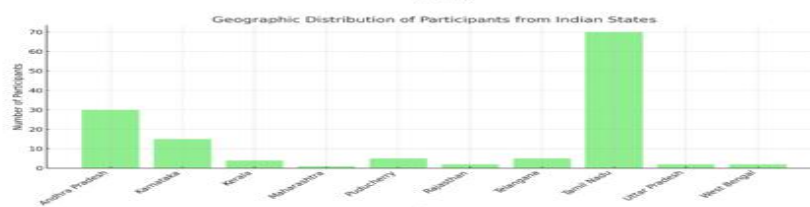
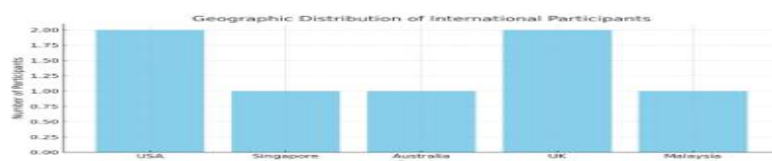
**About the PDP**

“The International 5-Day Professional Development Program (PDP) on “Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice” is designed to empower faculty, researchers, and students with the essential knowledge and tools to stay ahead in the evolving tech landscape. The program aims to bridge the gap between academic knowledge and industry demands. Participants will explore real-world tools, practical workflows, and current trends shaping AI and data science. Ideal for educators, students, and professionals looking to stay ahead in the digital age.

**Geographic Distribution of Participants**

International	Count
USA	2
Singapore	1
Australia	1
UK	2
Malaysia	1
Total	7

State	Count
Andhra Pradesh	30
Karnataka	15
Kerala	4
Maharashtra	1
Puducherry	5
Rajasthan	2
Telangana	5
Tamil Nadu	70
Uttar Pradesh	2
West Bengal	2
Total	136

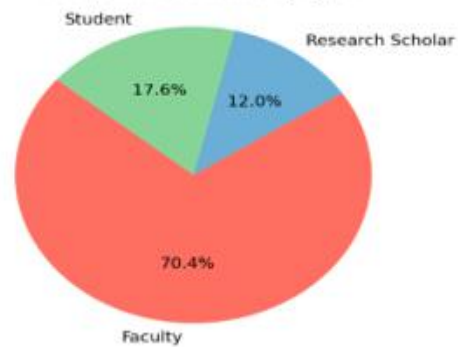


## Participants Category Wise Distribution

### Participants Category Wise Distribution

Participant Type	Count
Faculty	100
Research Scholar	17
Student	26
Total	143

Participant Distribution by Type



## Inauguration Ceremony

The Department of Computer Science and Engineering (Data Science) successfully hosted a Inter National Level Professional Development Program (PDP) titled " **Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice** " from **July 21st to July 25, 2025**. This prestigious event was conducted on an online platform and attracted an impressive turnout of 143 participants from all over across the globe encompassing faculty members, dedicated research scholars, and enthusiastic students.

The program commenced with a warm welcome address by **Dr. M. Kiran Kumar**, Assistant Professor, Department of CSE (Data Science). He extended a cordial welcome to all the esteemed resource persons, participants, and organizing members. In his address, he highlighted the relevance of the Professional Development Program in today's data-driven world and emphasized how such initiatives bridge the gap between academic knowledge and industry practices. He encouraged participants to make the most of the sessions, interact actively, and take forward the insights gained for their professional and academic growth.

The felicitation address was delivered by **Dr. S. Kusuma**, Head of the Department of CSE (Data Science), who expressed her appreciation to all the distinguished speakers for sharing their expertise and delivering impactful sessions throughout the program. She commended the efforts of the organizing team and acknowledged the active participation of attendees from various institutions. Dr. Kusuma emphasized the department's commitment to fostering continuous learning and professional development, and she encouraged participants to apply the knowledge gained to real-world challenges in Data Science and AI.

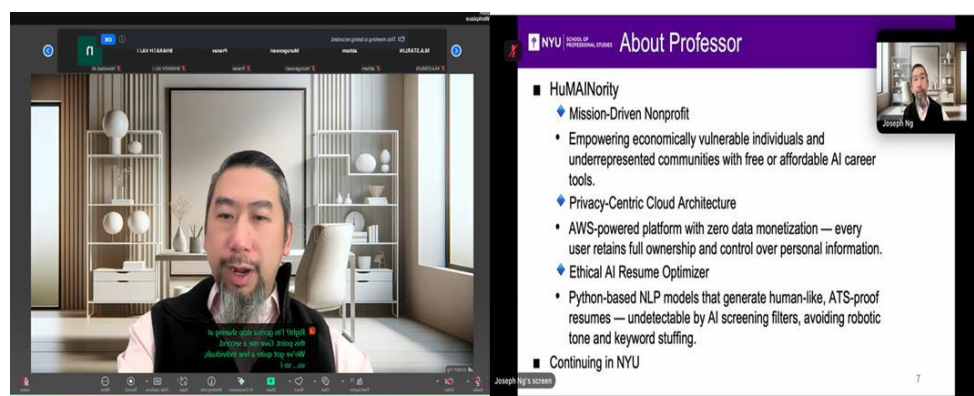
The resource persons for each session were gracefully introduced by **Mrs. Manjula Prabakaran**, Assistant Professor, Department of CSE (Data Science), who provided brief yet insightful overviews of their professional backgrounds and expertise, setting the stage for engaging and informative sessions.

## Day 1: 21/07/2025

**Session - by Prof. Joseph X. Ng, Research Faculty Advisor & Mentor, New York University, USA**

### Topic: Trends & Career Pathways in Data Science & AI

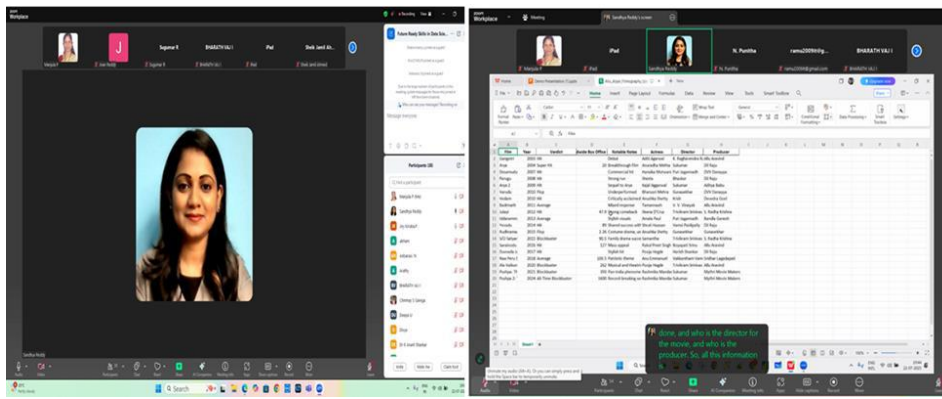
The key highlights of the session included offering a global perspective on the evolution and impact of Data Science and AI technologies; highlighting emerging job roles such as AI Ethicist, ML Ops Engineer, and Data Product Manager; emphasizing the growing interdisciplinary nature of Data Science applications; advising participants on building skills portfolios aligned with current industry trends; providing valuable career planning insights, including the importance of research, internships, and certifications; and discussing the benefits of academic-industry collaborations for professional growth.



## Day 2: 22/07/2025

**Session by:Ms. Sampath Sandhya, Senior Data Analyst, Novartis, USA**

### Topic: Data Visualization & Business Intelligence Tools



The session introduced Business Intelligence tools as essential enablers for data-driven decision-making; demonstrated Power BI dashboards using datasets from the pharmaceutical industry; explained how insights can be effectively communicated through visual analytics; covered the integration of BI tools with SQL and cloud platforms; shared real-world use cases related to clinical trials and patient outcome analysis; and provided useful tips on learning paths and available BI certification resources.

**Day 3: 23/07/2025**

**Session - by Ms. Mounica Mannuru, Performance Data Analyst, USA**

**Topic: Bridging Academic Knowledge with Real-World Applications**

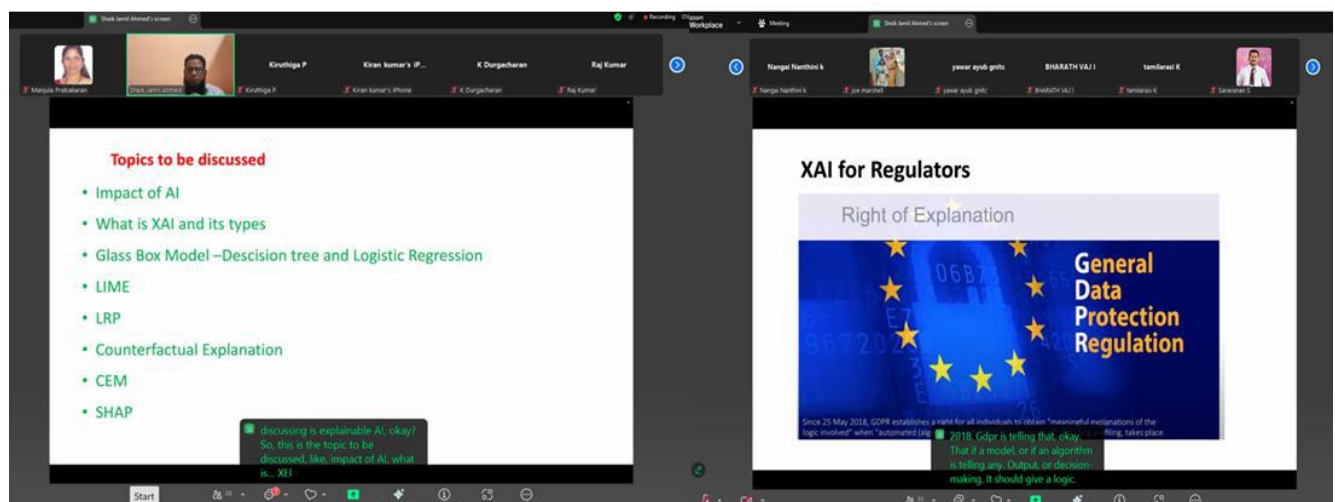


The session connected theoretical concepts of data visualization to real-time dashboards used in global companies; and demonstrated how academic Business Intelligence skills translate into performance analysis roles within the industry; offered practical insights into managing large datasets and deriving key performance metrics; and provided examples of visual strategies employed in actual business performance reports.

**Day 4: 24/07/2025**

**Session – by Mr. Sheik Jamil Ahmed, Assistant Professor, Madanapalle Institute of Technology & Science, India**

**Topic: Explainable AI (XAI)**



The session provided an overview of Explainable AI (XAI) and emphasized the importance of transparency in AI systems; explained key techniques such as LIME (Local Interpretable Model-agnostic Explanations) and SHAP (SHapley Additive



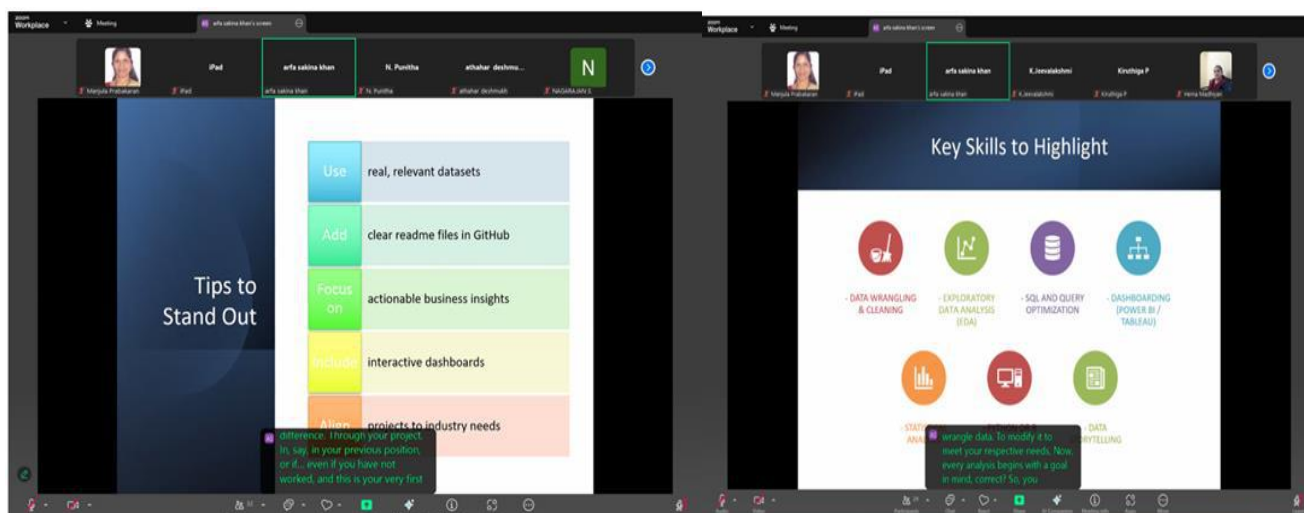
explanations); discussed interpretability in both classical machine learning models and deep neural networks; covered the role of XAI in critical sectors like finance, healthcare, and legal systems; addressed essential themes of fairness, accountability, and trustworthiness in AI decision-making; and illustrated practical XAI implementations using Python-based tools.

**Day 5: 25/07/2025**

**Session – by Ms. Deshmukh Arfa Khan, Business Data Analyst, New Mexico, USA**

### **Topic: Building Your Profile & Future Steps**

The session guided participants on creating a compelling professional brand in the field of data science; offered practical tips for optimizing resumes and LinkedIn profiles to enhance visibility and impact; shared insights on selecting the right online courses, specializations, and certifications; discussed effective networking strategies and the importance of mentorship; highlighted the significance of maintaining an active GitHub profile, writing blogs, and participating in platforms like Kaggle; provided guidance on hosting portfolios on online platforms; and motivated students to embrace continuous learning and focus on building real-world projects.



**Valedictory: 25/07/2025**

The valedictory session was delivered by **Mrs. Manjula Prabakaran**, Assistant Professor, Department of CSE (Data Science), who offered a thoughtful reflection on the 5-day program. She appreciated the enthusiastic participation, insightful sessions by expert resource persons, and the collaborative spirit that made the program a success. Her address emphasized the importance of continuous learning, building strong academic-industry connections, and staying future-ready in the rapidly evolving fields of Data Science and AI.

### **Outcome of the Professional Development Program (PDP):**

The 5-day International Professional Development Program on *"Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice"* successfully achieved its objectives by equipping participants with in-depth knowledge of current trends, tools, and opportunities in the field of Data Science and Artificial Intelligence.

### **Participants gained:**

- A comprehensive understanding of the global landscape and interdisciplinary nature of DS & AI.
- Hands-on exposure to tools like Power BI and insights into Business Intelligence applications in real-world sectors such as healthcare and pharmaceuticals.
- Awareness of emerging roles like AI Ethicist, Data Product Manager, and ML Ops Engineer, along with skills required to pursue them.
- Clarity on academic-to-industry transition strategies, including resume building, certifications, and GitHub portfolio hosting.
- A solid foundation in Explainable AI (XAI) and its significance in ethical decision-making across industries.
- Enhanced career planning through exposure to research opportunities, internships, and mentorship avenues.
- Overall, the program fostered a spirit of lifelong learning, encouraged practical application of knowledge, and strengthened academia-industry collaboration. The enthusiastic participation and positive feedback reflected the relevance and success of the PDP initiative.

### **Certificate Distribution:**

Certificates of Participation were issued on the **same day of completion, i.e., July 25, 2025**, to all participants who actively attended the sessions. Each certificate recognized their successful participation in the 5-Day International Professional Development Program on *"Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice"*, organized by the Department of CSE – Data Science, MITS. The prompt issuance reflected the organizers' commitment to acknowledging and encouraging professional development in a timely manner.



MITS/2025-26/DS/TDP/009

# MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE  
(Deemed to be University under Section 3 of UGC Act, 1956)

## CERTIFICATE OF PARTICIPATION

This is to proudly certify that

**ASHOK KUMAR R**

**NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY**

has actively participated in  
International 5-Day Online Professional Development Program on  
*"Future-Ready Skills in Data Science & AI: Bridging Academia with Industry Practice"*  
organized by the  
Department of CSE - Data Science, MITS  
July 21-25, 2025.

MRS. MANJULA PRABHAKARAN  
COORDINATOR

DR. H. KIRAN KUMAR  
CONVENOR

DR. S. K. SURESH  
HOD, DEPT. OF CSE - DS

DR. C. YUVARAJ  
PRINCIPAL

[www.mits.ac.in](http://www.mits.ac.in)