

**A Report on Skill Development Programme on
“Industry Readiness for an AIML Engineer”
Organized by Department of CSE- AI&ML
on 06.04.2026**



Report Submitted by: Dr. M. Rajeswari, Associate Professor, Department of CSE (AI and ML)
Resource Person Details: Mr. Avinash Kumar, Sr. Technical Trainer, BYTS INDIA, Coimbatore
Participants: II Year CSE (AI and ML) – 120 Students
Venue: Seminar Hall - B
Mode of Conduct: Offline
Report Received on 07.04.2026.

Department of Computer Science and Engineering (AI and ML) organized a Skill Development Programme on “**Industry Readiness for an AIML Engineer**” on 06.04.2026 - Monday.

Welcome Address:

Dr. M. Rajeswari, Associate Professor, Department of CSE (AI & ML) at Madanapalle Institute of Technology & Science (MITS), Madanapalle, delivered a warm and engaging welcome address to all attendees as the event commenced at 02:00 PM. She highlighted that the main objective of the Skill Development Programme was to help students explore diverse career paths in Artificial Intelligence and Machine Learning, gain valuable industry insights, and prepare for a bright and successful future. She further emphasized that the Industry Readiness Program aims to empower students with industry-ready skills, practical knowledge, and professional guidelines required for AIML Engineer roles. The program plays a vital role in both personal and professional development by enabling students to make informed decisions about their educational and career pathways, thereby enhancing their employability, career satisfaction, and long-term success.

Keynote Address

The gathering was addressed by Dr. P. Ramanathan, Principal of MITS, Madanapalle, who emphasized the significance of the Industry Readiness Program for aspiring AIML Engineers. He highlighted that such programs are designed not only to guide students toward suitable career opportunities but also to equip them with the skills and mindset required to meet evolving industry demands. Sir reminded students that in today’s rapidly evolving technological landscape, continuous learning and skill enhancement are crucial. He emphasized that staying updated with emerging trends in AI, Machine Learning, Data Science, and related technologies is essential for maintaining relevance in the competitive job market. He concluded by motivating students to cultivate lifelong learning habits, continuously upgrade their technical and soft skills, and focus on building strong industry-ready competencies that will help them succeed as AIML professionals and excel in their future careers.



The gathering was addressed by Dr. S. Padma, Head of the Department of Computer Science and Engineering (AI & ML) at Madanapalle Institute of Technology & Science, who emphasized the importance of the Industry Readiness Program in preparing students for successful careers as AIML professionals. She highlighted that the primary objective of the Industry Readiness Program is to equip students with industry-relevant technical skills, practical exposure, and professional competencies required in the Artificial Intelligence and Machine Learning domain. She further mentioned that the knowledge and exposure gained through the sessions would help students understand current industry expectations, emerging technologies, and career opportunities in AI and ML. She encouraged students to actively participate throughout the program, interact with experts, and make effective use of the learning opportunities to strengthen their technical expertise and enhance their employability.

Resource Person Lecture:

Mr. Avinash Kumar, Sr. Technical Trainer, BYTS INDIA, Coimbatore shared his insights on “Industry Readiness for an AIML Engineer” for II CSE (AI and ML) students.



The Industry Readiness Program covered the following:

- Understanding Industry Expectations for AI & ML Engineers
- Exposure to Latest Trends in Artificial Intelligence and Machine Learning
- Resume Building and Portfolio Development for AIML Roles
- Technical Skill Enhancement in Python, Machine Learning, and Deep Learning
- Problem-Solving and Analytical Thinking Development
- Industry Expert Sessions and Career Guidance
- Mock Interviews and Technical Assessment Preparation
- Soft Skills Development – Communication, Teamwork, and Professional Ethics
- Internship and Placement Readiness Guidance
- Introduction to Industry Tools and Platforms (GitHub, Kaggle, Cloud Platforms)
- Project-Based Learning for Practical Industry Exposure
- Career Pathways in AI, Machine Learning, Data Science, and Analytics
- Guidance on Certifications and Higher Education Opportunities
- Continuous Learning and Emerging Technology Awareness

Mr. Avinash Kumar delivered an insightful session focusing on current industry expectations for Artificial Intelligence and Machine Learning Engineers. He explained the skills, knowledge, and mindset required to succeed in the rapidly evolving AI and ML industry, helping students understand the gap between academic learning and industry requirements. He provided students with exposure to real-world AI and Machine Learning applications through practical examples and case studies. These examples helped students understand how AI and ML technologies are applied across industries such as healthcare, finance, automation, and business analytics.

Mr. Avinash Kumar emphasized the importance of developing strong programming skills in Python along with a solid foundation in Machine Learning and Deep Learning concepts. He highlighted that these technical skills are essential for building intelligent systems and solving real-world problems effectively. He also discussed emerging trends such as Generative AI, Data Science, Cloud AI, and MLOps, encouraging students to stay updated with evolving technologies. He stressed that awareness of these trends would help students remain competitive in the job market.

The session included guidance on resume building, portfolio development, and showcasing projects relevant to AIML roles. Mr. Avinash Kumar advised students to focus on building strong project portfolios that demonstrate their practical knowledge and technical abilities.

Students were also trained in problem-solving, analytical thinking, and logical reasoning skills essential for technical roles. He explained that these skills are critical for tackling real-world challenges and improving decision-making abilities.

Mr. Avinash Kumar shared valuable insights on career opportunities and skill requirements in the AI and ML domain. He discussed various career paths such as AI Engineer, Machine Learning Engineer, Data Scientist, and AI Researcher. Mock interview preparation and technical assessment strategies were also discussed to improve placement readiness. He provided tips on how to prepare for technical interviews and coding assessments effectively. The importance of soft skills such as communication, teamwork, leadership, and professional ethics was emphasized during the session. He highlighted that these skills play a crucial role in professional growth and workplace success.

Students were introduced to industry tools and platforms such as GitHub, Kaggle, and cloud platforms used in AI and ML development. This helped students understand the tools commonly used in industry environments.

The program encouraged project-based learning to provide hands-on experience and practical exposure. Mr. Avinash Kumar motivated students to actively work on real-time projects and participate in competitions to enhance their skills. Guidance on internships, certifications, and higher education opportunities in AI and ML was also provided. He advised students to pursue relevant certifications to strengthen their professional profiles. The session concluded with an emphasis on continuous learning and adaptability to meet the demands of the rapidly evolving technology landscape.

Vote of thanks

The event was formally concluded with a Vote of Thanks delivered by Dr.M.Rajeswari, Associate Professor of CSE (AI and ML) at MITS. She conveyed her heartfelt gratitude to the resource person for dedicating his time to share expertise and valuable insights with the students. She also expressed sincere appreciation to the Management, Principal, and Head of the Department for their unwavering support and encouragement in successfully organizing the program.

Outcomes:

At the end of Presentation, Students will be able to

1. Explore diverse career paths and gain valuable insights.
2. Differentiate among the various skill sets required to secure placements in Tier-1 companies.
3. Apply the appropriate skill stack for successful placement.

UN-SDG Mapping:

SDG 4 – Quality Education

SDG 8 – Decent Work and Economic Growth

SDG 9 – Industry, Innovation, and Infrastructure

SDG 17 – Partnerships for the Goals