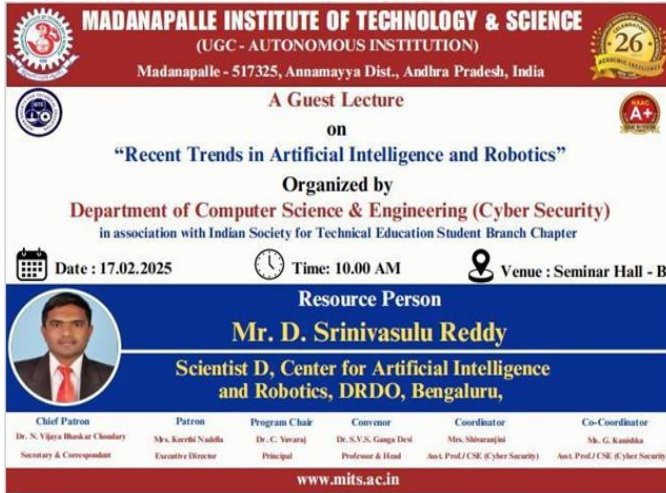


**A Report on Guest Lecture on “Recent Trends in Artificial Intelligence and Robotics”**  
**Organized by Department of CSE- Cyber Security**  
**In association with**  
**Indian Society for Technical Education (ISTE) Student Chapter**  
**Date: 17.02.2025**



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC - AUTONOMOUS INSTITUTION)  
Madanapalle - 517325, Annamaya Dist., Andhra Pradesh, India

**A Guest Lecture**  
on  
**“Recent Trends in Artificial Intelligence and Robotics”**  
Organized by  
**Department of Computer Science & Engineering (Cyber Security)**  
in association with Indian Society for Technical Education Student Branch Chapter

Date : 17.02.2025 Time: 10.00 AM Venue : Seminar Hall - B

**Resource Person**  
**Mr. D. Srinivasulu Reddy**  
Scientist D, Center for Artificial Intelligence  
and Robotics, DRDO, Bengaluru,

Chief Patron Dr. N. Vijaya Bhaskar Choudhary Secretary & Correspondent	Patron Mrs. Kavitha Naidu Executive Director	Program Chair Dr. C. Sivaram Principal	Convener Dr. S.V.S. Ganga Devi Professor & Head	Coordinator Mrs. Shivaranjini Asst. Prof./CSE (Cyber Security)	Co-Coordinator Ms. G. Kanishka Asst. Prof./CSE (Cyber Security)
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**Report Submitted by:** Mrs. Shivaranjini, Assistant Professor, Department of CSE-Cyber Security; Ms. G. Kanishka, Assistant Professor, Department of CSE-Cyber Security.

**Resource Person Details:** Mr. D. Srinivasulu Reddy, Scientist ‘D’, Centre for Artificial Intelligence and Robotics, DRDO, Bengaluru.

**Venue:** Seminar Hall-B.

**Total Participants:** 141 Students of B. Tech II year-II Semester CSE-Cyber Security.

**Mode of Conduct:** Offline

**Report Received on** 21.02.2025.

**Objective:**

The objective of this guest lecture is to provide students with insights into the latest advancements in Artificial Intelligence (AI) and Robotics. As these technologies continue to evolve, they are significantly transforming industries, research domains, and everyday life. This lecture aims to bridge the gap between theoretical knowledge and real-world applications, highlighting key developments and future possibilities.

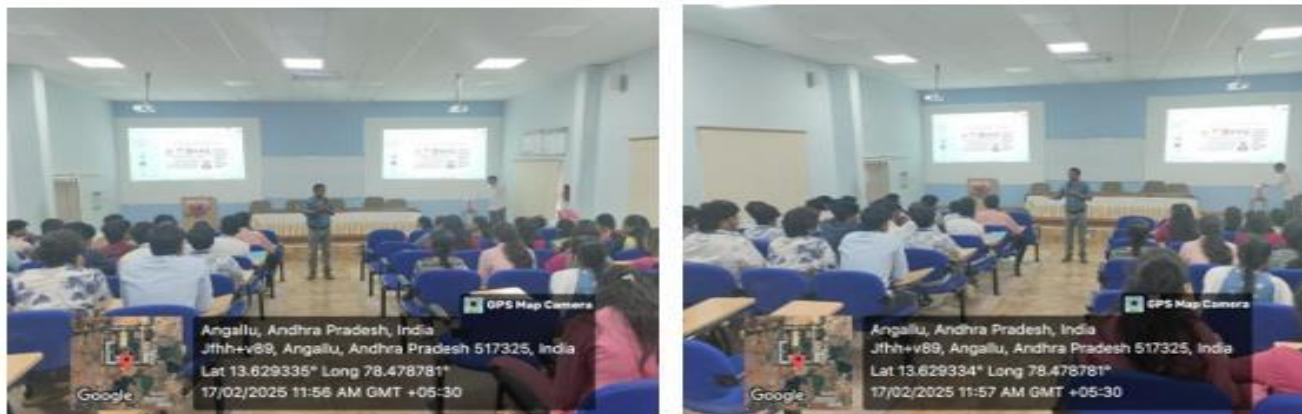
**Dignitaries present:**

**Dr. P Ramanathan**, Vice-Principal, **Dr. S.V.S Ganga Devi**, Head of the Department of CSE- Cyber Security, **Mr. D. Srinivasulu Reddy** resource Person, Mrs. Shivaranjini, Assistant Professor, Department of CSE-Cyber Security; Ms. G. Kanishka, Assistant Professor, Department of CSE-Cyber Security and faculty members.



### Program Details:

The event commenced with a warm welcome note and followed by the introduction about the resource person to the audience by B. Tech II Year II Semester (CSE-CS) Student P Revathi, she has given a short note on **Mr. D. Srinivasulu Reddy** who holds the position Scientist 'D', Centre for AI and Robotics, DRDO, Bengaluru. **Mr. D. Srinivasulu Reddy** has 15+ years of experience in DRDO Software Design and Development, 4+ years of teaching experience as an assistant professor, expert in Design and Development of Products with former, he has good knowledge on Artificial Intelligence, R&D, Machine Learning, Deep Learning, Python DJANGO, Embedded Product Development, Computer vision Robotics, he has Excellent Problem Solving and Troubleshooting skills and experience in working on multiple Project in parallel.



The session was handed over to **Mr. D. Srinivasulu Reddy** by **Dr. S.V.S Ganga Devi, Head of the Department of CSE-Cyber Security**, MITS, with her short speech about the resource person and highlighted the significance of Artificial Intelligence (AI) and Robotics in the modern era and **Dr. P Ramanathan, Vice Principal** shared insights on how advancements in these fields are reshaping industries and encouraged students to actively engage in learning emerging technologies.

The session, titled “**Recent Trends in Artificial Intelligence and Robotics**” was then handed over to the guest speaker, who delivered an engaging and informative talk on the latest developments in Artificial Intelligence and Robotics. The speaker elaborated on recent applications, and future trends, captivating the audience with real-world examples and case studies.

### Key Highlights of the Lecture

The speaker provided a comprehensive overview of Artificial Intelligence and Robotics, discussing their applications, challenges, and future directions. Some of the key topics covered were:

#### Advancements in AI Technologies:

- Deep Learning and Neural Networks
- Natural Language Processing (NLP)
- YOLO (You Only Look Once)
- Reinforcement Learning

#### Trends in Robotics:

- Autonomous Robots and their applications
- Humanoid Robots
- Industrial and Service Robots

The event concluded with a vote of thanks proposed by **Shivaranjini, Assistant Professor, Department of C.S.E(Cyber Security)**, who expressed gratitude to the resource person, dignitaries, faculty members, and students for making the event a success. Special appreciation was extended to the organizing committee for their efforts in ensuring the seamless execution of the lecture.

### Program Outcomes:

- Students will gain insights into the latest trends, applications, and advancements in Artificial Intelligence and Robotics, enhancing their understanding of cutting- edge technologies.
- Students and professionals will learn how AI and Robotics are transforming industries such as healthcare, finance, manufacturing, and autonomous systems.
- The lecture will help Students develop critical thinking skills to solve complex problems using AI algorithms, machine learning models, and robotic automation techniques.
- The session will prepare Students for careers in AI and Robotics by introducing them to required technical skills, industry trends, and research opportunities in the field.