

**A Report on Invited Lecture on “Advancements in Communication Engineering
Related to Artificial Intelligence”**

Organized by : Department of Electronics & Communication Engineering
Speaker : Dr. Ch. Srinivasa Rao, JNTUK UCE , AP.
Venue : VI -203
Date : 29th January 2026
Time : 10.00 AM to 12.00 PM
Conducted for : II year students of ECE
No. of participants : 94

Faculty Coordinators: Dr. B. Raghavaiah, Professor & HoD

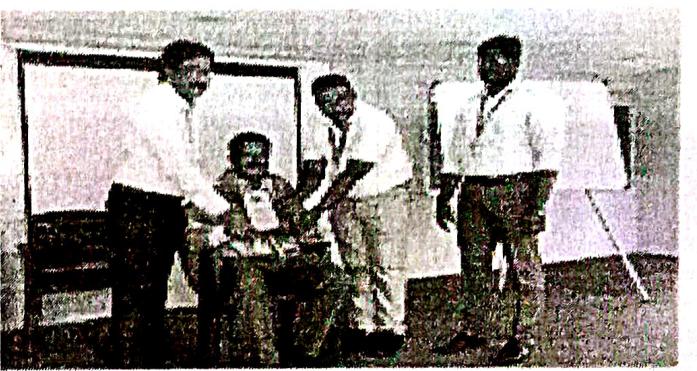
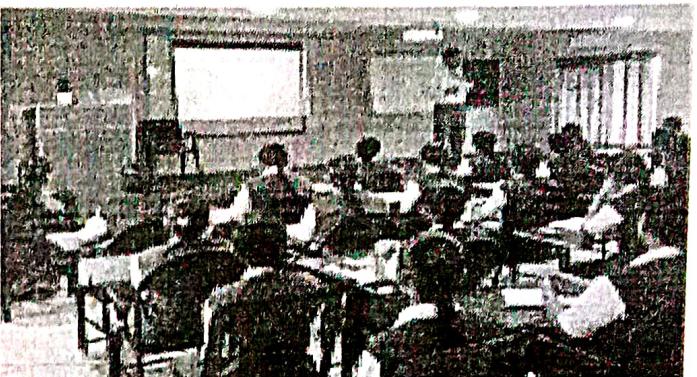
1. Report in brief by Organizer / Coordinator / Convener

The Department of ECE conducted an invited Lecture on “Advancements in Communication Engineering Related to Artificial Intelligence” on 289th January 2026 at Ramachandra College of Engineering (A), Eluru for the second students of ECE. This event is conducted to commemorate Engineer's Day. The program was coordinated to provide insights into the emerging role of Artificial Intelligence (AI) in modern communication systems. The invited speaker delivered an informative session covering recent advancements such as AI-assisted wireless communication, intelligent signal processing, machine learning techniques in 5G/6G networks, cognitive radio, IoT integration, and smart antenna systems. The lecture emphasized how AI enhances system performance, spectrum efficiency, reliability, and automation in communication engineering.

The session was highly beneficial for students and faculty, as it bridged the gap between theoretical concepts and real-time applications. Participants actively interacted with the speaker during the question-and-answer session, clarifying doubts related to research opportunities and industry trends. Overall, the invited lecture was academically enriching and technically motivating, encouraging students to explore AI-based communication technologies for higher studies, research, and industry applications.

The lecture will also highlight emerging trends, industry tools, certifications, and career opportunities in AI. This lecture provided the students with a comprehensive understanding of the Artificial Intelligence (AI), covering its foundational concepts, enabling technologies, hardware and software platforms, networking and security aspects, and its real-world applications.

2. Few Glimpses of the Event:



3. Feedback from Participants:

The invited lecture on “**Advancements in Communication Engineering Related to Artificial Intelligence**” was very informative and insightful. The speaker explained complex concepts such as AI-based communication systems, machine learning in wireless networks, and future trends like 5G/6G in a simple and understandable manner.

The session helped us understand the **practical applications of Artificial Intelligence in communication engineering**, which enhanced our interest in emerging technologies. The real-time examples and interactive discussion made the lecture engaging and motivating. Overall, the lecture was highly beneficial and encouraged us to explore AI-related research and career opportunities in the field of communication engineering.

.....**Student Participants**

By
Coordinator

By
HOD

Dr. Suresh
Dean-Academics

Dr. Suresh
Principal