



NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF CSE (DATA SCIENCE)

TEDx Talk – *“The Rise of Artificial Intelligence through Deep Learning”*

Venue: Room C217

Time-9:00 AM-10:00AM



TEDx Talk

The Rise of Artificial Intelligence
through Deep Learning

 27th February 2026

 09:00 AM - 10:00 AM

 VI Sem

Speaker: **Mr. Yoshua Bengio**

Faculty Coordinator

Ms. Pallavi Nayak
Assistant Professor - CSE(DS)

Convenor

Dr. B Swathi
HoD - CSE(DS)

Dr. R J Anandhi
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Principal

Organised by

Department of Computer Science and Engineering (Data Science)

The Department of Computer Science and Engineering (Data Science), New Horizon College of Engineering, organized a TEDx Talk titled “**The Rise of Artificial Intelligence through Deep Learning**” on **27th February 2026** for **6th semester students**. The session was delivered by **Mr. Yoshua Bengio**, a globally recognized researcher and one of the pioneers of deep learning.

The session provided valuable insights into the rapid growth of **Artificial Intelligence (AI)** and the crucial role played by **Deep Learning** in advancing modern technology. The talk began with an introduction to Artificial Intelligence and how it enables machines to simulate human intelligence by learning from large amounts of data. The speaker explained how traditional programming approaches have evolved into data-driven models where machines learn patterns automatically.





The session focused on the fundamentals of **deep learning**, which is a subset of machine learning that uses **artificial neural networks** inspired by the structure of the human brain. These networks consist of multiple layers that allow machines to analyze complex patterns in data such as images, speech, and text. The speaker discussed how deep learning has significantly improved technologies like **image recognition, speech processing, language translation, and recommendation systems**.

The talk also highlighted how deep learning has transformed several industries including **healthcare, autonomous vehicles, finance, cybersecurity, and natural language processing**. The speaker emphasized

that modern AI systems are capable of processing massive datasets and identifying patterns that are difficult for humans to detect, thereby improving decision-making and automation.



A major part of the session focused on the **future potential and challenges of Artificial Intelligence**. The speaker explained that although AI has achieved remarkable progress, there are still many challenges to overcome, such as improving machine reasoning, ensuring fairness in AI systems, maintaining data privacy, and addressing ethical concerns related to AI deployment.

The speaker also discussed the importance of **responsible AI development** and the need for researchers, engineers, and organizations to ensure that AI technologies are designed in ways that benefit society. Students were encouraged to continuously upgrade their technical knowledge and explore emerging fields such as **deep learning, neural networks, data science, and artificial intelligence research.**

The session concluded with an interactive **question-and-answer segment**, where students engaged in discussions about career opportunities in AI, the role of deep learning in real-world applications, and the future scope of AI technologies. The talk inspired students to explore innovative solutions using AI and deep learning in solving real-world problems.

Overall, the TEDx talk provided students with a comprehensive understanding of how **deep learning is driving the rise of Artificial Intelligence** and shaping the future of technology. It motivated students to develop strong foundations in AI and remain curious about advancements in this rapidly evolving field.



Faculty Coordinator

Assistant Prof.

Ms. Pallavi Nayak



Convener

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