# Report :Expert Lecture

# Artificial Intelligence - Using It to Change the World

# 07.11.2023

The Faculty of Informatics and Computingof J.C.Bose University of Science and Technology, YMCA organized an expert lecture on **Artificial Intelligence - Using It to Change the World** for the students of B.Tech5thSem (CE 51, CE 52, IT 5, DS 5, CE (Hindi) 5). The lecture was conducted on 7th November 2023 and was attended by ~200 participants. Dr.Preeti and Dr.Shivi were the Program Coordinators of this expert lecture.

Dr.Shivi Garg welcomed the resource person, Mr. Vedant Ahluwalia and extended gratitude for sparing valuable time to deliver a lecture to the students. She further acquainted the audience about the rich experience of the Mr. Vedant a Chief Executive Officer (CEO) of Dataviv Technologies. He is a global artificial intelligence prodigy with a Masters in Artificial Intelligence from the world's leading Stanford University.He has been closely associated with the "Father of Modern AI," Dr. Andrew Ng, the person behind self-driving cars and technology-powered Chat GPT. He has been pivotal in shaping the AI missions of countries including India, with large-scale transformations in education and other fields to achieve excellence in AI that were inaugurated by prominent world leaders, including Mr. Gautam Adani.

The lecture commenced by highlighting the transformative potential of artificial intelligence (AI) and its ability to reshape the world. Mr. Vedant provided a deep dive into computer vision, explaining how AI-driven computer vision systems are revolutionizing various sectors. This included applications in healthcare, such as medical image analysis and early disease detection, as well as autonomous vehicles, where computer vision plays a crucial role in navigation and safety.

The lecture shifted focus to natural language processing (NLP) and ChatGPT, outlining their role in enabling human-computer interactions through text-based conversation. Examples of virtual assistants, customer support, and content generation using ChatGPT were discussed. Mr. Vedant emphasized the synergy between computer vision and NLP, showcasing real-
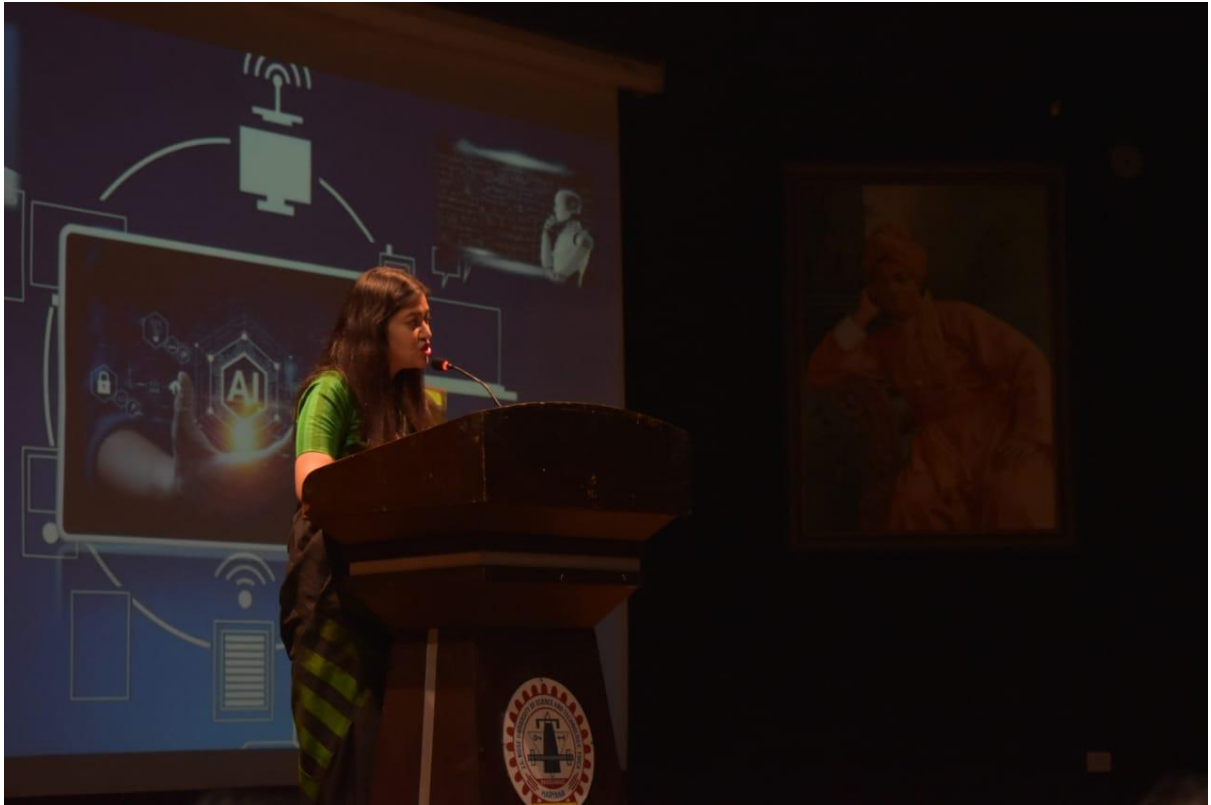
world examples where these technologies work in tandem, such as in smart home devices that respond to both voice commands and visual cues.

The lecture touched upon the ethical considerations surrounding computer vision and ChatGPT, addressing concerns like privacy, bias, and the responsible use of these technologies. He further emphasized how AI, including computer vision and NLP, is playing a crucial role in addressing global challenges. This included examples of using computer vision to monitor and combat climate change, and ChatGPT for disaster response and humanitarian aid.

Mr. Vedant highlighted the importance of educational programs and initiatives aimed at equipping individuals with the necessary skills to work with AI technologies, including computer vision and NLP.

The lecture concluded by discussing the promising future of AI, envisioning AI-driven solutions for a wide range of problems and the continued impact on our world.The students actively engaged in an interactive session, posing questions and seeking further insights into the practical applications, limitations, and ethical considerations of AI, computer vision, and ChatGPT.

This lecture provided a comprehensive understanding of how AI, specifically in the domains of computer vision and ChatGPT, is transforming the world. It underscored the significance of responsible development and deployment to harness the full potential of these technologies for the betterment of society.

**J.C. BOSE UNIVERSITY**
OF SCIENCE AND TECHNOLOGY,
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## Expert Lecture
*on*

# "Artificial Intellignce - Using it to change the world"

*Organized by*

## DEPARTMENT OF COMPUTER ENGINEERING
(Faculty of Informatics & Computing)
**7th November 2023**

*Patron:*

*Resource Person:*



**Prof. Sushil Kumar Tomar**
Vice-Chancellor, JC Bose UST, YMCA, Faridabad



**Mr. Vedant Alluwalia**
CEO, Dataviv Technologies.

## Target Participants
3rd Year students of B.tech (CE), B.tech (IT),
B.tech (CE with spl in Data Science), B.tech (CE(Hindi))

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Chairperson
**Prof. Atul Mishra**
Department of Computer Engineering

Faculty Coordinators
**Dr. Preeti Sethi**
Associate Professor

**Dr. Shivi**
Assistant Professor

Department of Computer Engineering