Report on Open Seminar on Artificial Intelligence: Present and Future

Organized by:

Department of Information Technology, SCET

on

5th September, 2023

Co-ordinators:

Dr. Mita Parikh
Dr. Vivaksha Jariwala

The Department of Information Technology organized an Open Seminar on the auspicious occasion of Teachers' Day, 5th September 2023. The seminar was titled: **"Artificial Intelligence: Present and Future ("આર્ટિફિશ્યલ ઇન્ટેલિજન્સ : વર્તમાન અને ભવિષ્ય)"**. The purpose of the seminar was to create awareness as well as satisfy the curiosity among residents of Surat city regarding Artificial Intelligence and its Applications, its impact on our immediate and future lives, ethical issues regarding use of AI-based technology and to address people's concerns and queries regarding AI. The seminar was a huge success with a lively participation of over 200 participants from a diverse background of residents of Surat city including lawyers, school teachers, business owners, college professors, doctors, home-makers as well students of science, engineering and commerce.

Seminar Title, Timings and Venue
Title of talk: આર્ટિફિશ્યલ ઇન્ટેલિજન્સ : વર્તમાન અને ભવિષ્ય
Date & Time: 5th September, 2023 from 11:30 AM to 1:30 PM
Venue: TIFAC Hall, SCET

Expert Panel
The expert panel for the seminar comprised of experienced faculty members from SCET comprising **Dr. Mita Parikh**, **Dr. Keyur Rana**, **Dr. Vivaksha Jariwala** and **Dr. Nirali Nanavati**. The experts explained to the audience the basic concepts of Artificial Intelligence, its diverse applications, its present and futuristic usages, career prospects based on AI technology, challenges to people's livelihoods as well as regulations regarding AI in India and around the globe. They experts also answered various questions posed to them by the general public during Q&A session following the expert talks.

Highlights of the interaction
- ✓ <u>All talks during the session were delivered in Gujarati language for the benefit and participation of the audience.</u>
- ✓ Dr. Mita Parikh (Professor, IT Dept, SCET) explained the meaning of Artifiical Intelligence and important characteristics of simulated intelligence. She talked about various AI-based applications impacting our daily lives and some of the futuristic applications of AI. She also explained about inherent risks and ethical dilemmas pertaining to AI.
- ✓ Dr. Keyur Rana (Professor, CO Dept, SCET) explained the meaning of Machine Learning and Deep Learning using various illustrations. He explained how generalized concepts can be learned from training data. He also discussed some interesting real-world applications of Pattern Recognition and Deep Learning.
- ✓ Dr. Nirali Nanavati (Associate Professor, CO Dept, SCET) discussed about the future prospects and market scenario of AI-based applications. She talked about various threats

especially pertaining to privacy issues, behavior manipulation and bias in AI-based tools. She also gave information regarding AI regulatory bodies in India and other countries.

✓ Dr. Vivaksha Jariwala (HOD, IT Dept, SCET) explained about the need for AI-based skill-upgradation among users. She talked about the competitive advantages of such skill set. She also gave information regarding AI based courses offered at SCET.

Glimpses of the session

Left to right: Dr. Mita Parikh, Dr. Keyur Rana, Dr. Hiren Patel, Dr. Vivaksha Jariwala, Dr. Nirali Nanavati

Interaction with audience by Dr. Mita Parikh

Interaction with audience by Dr. Keyur Rana

Interaction with audience by Dr. Nirali Nanavati

Interaction with audience by Dr. Vivaksha Jariwala

Acknowledgements