Expert Lecture: "Artificial Intelligence (AI) for Innovation and Start-Up"

Date: 09/02/2026

Briefing of Event: The objective of this expert lecture on "Artificial Intelligence (AI) for Innovation and Start-Ups" to bridge the gap between advanced technology and practical, entrepreneurial application. It aims to empower founders and innovators to leverage AI for rapid growth, efficiency, and competitive advantage, particularly when operating with limited resources.

No. of Students Participated: 180
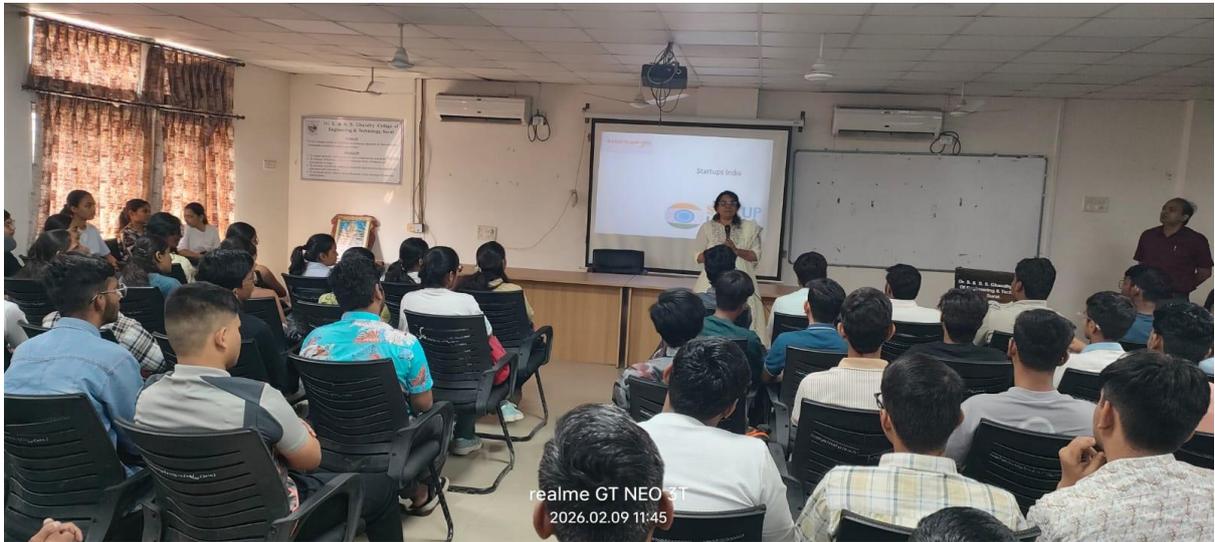
Boys: 162

Girls: 18

No. of Faculty Participated: 08 (Mr. Vimal Palsanawala, Co-ordinator, SSIP cell)

Photo: 1

Photo: 2

Photo: 3

Profile of Expert speaker:

Dr. Ketki C. Pathak

Dr. Ketki C. Pathak is an Associate Professor in the Department of Electronics and Communication Engineering at Sarvajanik College of Engineering and Technology (SCET),

Surat, Gujarat, India, with over 24 years of experience in teaching, research, and academic administration at undergraduate and postgraduate levels.

She holds a Ph.D. from Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, in the area of Biomedical Image Processing with VLSI Design for Telemedicine Applications, and an M.Tech. degree from SVNIT. Her research interests include signal processing, adaptive signal processing, embedded systems, image and video processing, medical imaging, low-power VLSI design, robotics, and deep learning algorithms.

Dr. Pathak has published several research articles in reputed national and international journals and conferences, indexed in major databases like Web of Science and Scopus index. She has guided more than 18 postgraduate research projects, primarily in medical image and video processing for telemedicine applications with innovations in VLSI technology and upcoming AI Tools and techniques.

She actively contributes to the academic community as a reviewer for IEEE, Springer, Elsevier, IET, and allied publishers, and has served on technical program committees of international conferences and workshops. Dr. Ketki Pathak has also received SSIP start-up grants for projects in medical laboratory record systems and waste management under Swachhta Abhiyaan.

A committed IEEE volunteer, she is a Professional Member of IEEE, Life Member of the Signal Processing Society of India, and currently serves as the IEEE SCET Student Branch Counsellor. Under her leadership, IEEE SCET Student Branch received the Most Promising Branch Award (2021) and Best Branch Awards (2022 and 2025).

Her work strongly aligns with AI-enabled innovation, academic research, and student-driven technological development, making her a distinguished speaker for AI-focused academic forums.