

Symposium on Pedagogies for Engineering Education

Dhirubhai Ambani University (DAU), Gandhinagar, formerly DA-IICT, as part of the Silver Jubilee celebrations, marking 25 years of academic excellence, organized a *Symposium on Pedagogies in Engineering Education* on November 15, 2025, at its campus in Gandhinagar. DAU has recently created a Centre for Teaching and Learning - SPARK - with a mandate to strengthen, modernize, and enrich the teaching-learning eco system. This is the first extension event under its umbrella, conceived and organised by the team consisting of Profs Rachit Chhaya, V Sunitha, Sanjay Srivastava, and Minal Bhise.

Over 70 faculty participants from 15 engineering institutes of Gujarat shared pedagogical ideas, experiences, and challenges in the engineering education in the context of the changing educational landscape during this event.

The Symposium had a keynote address, eight invited talks, and a panel discussion covering themes like Integrating online learning in the curriculum, Use of AI tools for enhanced teaching learning, and Methods to enhance engagement in learning. We shortly plan to bring out the proceedings of the event.



Welcome and Inaugural Address

Following an introduction of the event by Prof Minal Bhise, the symposium was inaugurated with an Inaugural Address by Prof Tathagata Bandyopadhyay, Director General, DAU.

Keynote Address: *Online Education and AI*

A keynote address on *Online Education & AI* was delivered by Prof G. Venkatesh, Director, School of Technology, DAU. He discussed his extensive experience of establishing Online Learning Programs at IIT, Madras. He also opined on the ways AI technology is going to influence the online learning.

SPARK Center: *Supporting Pedagogy, AI, Resources & Knowledge*

Prof Sanjay Srivastava had a brief presentation on the activities of the SPARK center. He said that the center is going to generate scholarship and network with other academic institutions to improve pedagogic processes in the context of changing student expectations, availability of online and AI resources, and reducing attention spans in the classroom.

Invited Talks

Faculty from participating institutes from Gujarat were invited to submit write-ups based on their pedagogical experiences and practices within the broader theme of the symposium. Among submitted write-ups, 13 from Ahmedabad University, Pandit Deendayal Energy University, IIIT Vadodara, IIT Gandhinagar, Marwadi University, National Forensic Science University, Nirma University, and DAU have been selected to appear in the proceedings of the event. From these, the Invited Talks session consisted of eight talks centered on themes of the symposium by faculty participants from six engineering institutes. The symposium proceedings will also contain additional invited articles.

Panel Discussion

The Panel Discussion session moderated by Prof V. Sunitha had an engaging discussion on *The Engaged Classroom: AI, Online Learning, and the Future of Pedagogy*. The panel members were Prof Sameer Sahasrabudhe (IIT Gn), Prof Zunnun Narmawala (Nirma University), Prof Barnali Chetia (IIIT-Vadodara), and Prof Dhaval Patel (Ahmedabad University).



