

**Samarth Educational Trust's
Arvind Gavali College of Engineering
Panmalewadi, Satara.**

Report on Faculty Development Program

Name of Department		IIC – AGCE and R&D and IPR Cell	
Type of the Program/Event:		Self-Driven Activity – Faculty Development Program	
Title of Program:		Next-Gen Frontiers: AI, ML, and Generative AI for Research and Teaching-Learning	
Date:	27/05/2026 to 29/05/2026	Time:	10.00 am to 5.00 pm
Faculty Co-ordinator for the Event:		Dr. Gayatri Mirajkar	
Objective of the Program/Event		- To provide participants with a strong foundation in Artificial Intelligence (AI), Machine Learning (ML), and Generative AI concepts and applications. - To familiarize faculty members with supervised, unsupervised, and deep learning techniques used in modern AI systems. - To enable participants to integrate AI-enabled methodologies into classroom teaching, research activities, and project-based learning. - To promote ethical, responsible, and effective use of AI technologies in academics and research.	
Numbers of Participations:	60	Registration Fee:	–
Venue:		Computer Centre	
Expert details		Dr. Abhishek Patange Data Science and AI Specialist ABB, Bengaluru	



Photographs offer a glimpse into the past, capturing cherished memories:

SAMARTH EDUCATIONAL TRUST
ARVIND GAVALI COLLEGE OF ENGINEERING, SATARA
R&D AND IPR CELL & IIC AGCE
A FDP (OFFLINE) ON

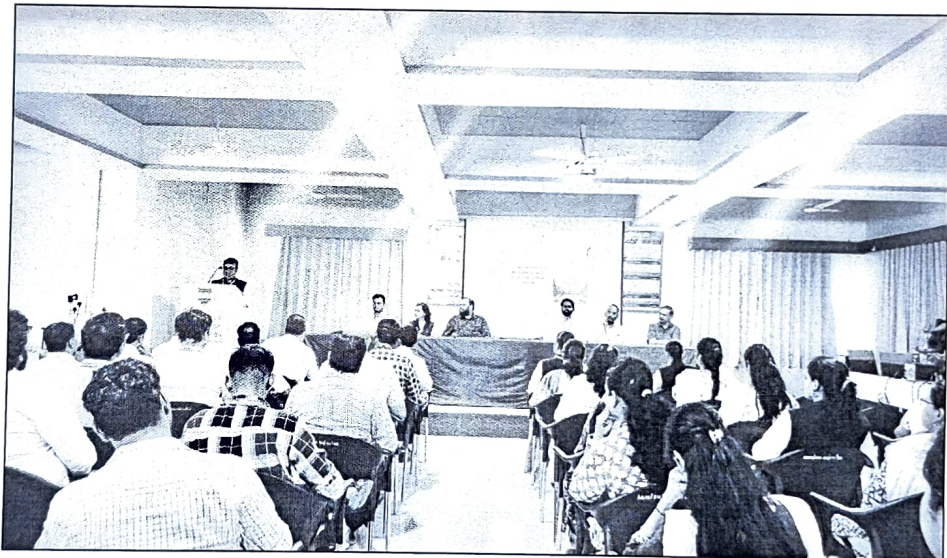
**"NEXT-GEN FRONTIERS: AI, ML,
AND GENERATIVE AI FOR
RESEARCH AND TEACHING-
LEARNING"**

📅 28th, 29th, and 30th May 2026
📶 Mode: Offline


DR. ABHISHEK PATANGE
Data science & AI Specialist
ABB Bengaluru

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Flyer of the FDP



Inauguration of the FDP





Dr. Patange guiding the faculty members



The Valedictory Function of the FDP





Faculty Members Attending the Valedictory Function

About the Program/Activity:

The Faculty Development Program (FDP) titled **“Next-Gen Frontiers: AI, ML, and Generative AI for Research and Teaching-Learning”** was organized by Arvind Gavali College of Engineering approved by ISTE from the 27th of May, 2026 to 30th of May, 2026. The FDP aimed to provide educators, researchers, and industry professionals with comprehensive knowledge of emerging technologies such as Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, Generative AI, and Large Language Models (LLMs).

The program focused on bridging the gap between theoretical concepts and practical implementation through expert sessions, hands-on activities, real-world case studies, and AI-enabled teaching methodologies. Participants gained exposure of supervised and unsupervised learning techniques, neural networks, prompt engineering, adaptive learning methods, and AI-assisted academic practices.

The FDP was designed to help faculty members integrate modern AI tools and techniques into classroom teaching, research activities, and project-based learning while promoting ethical and responsible use of AI technologies in academics and research. The resource person for the FDP was Dr. Abhishek Patange, Data Science & AI Specialist, ABB Bengaluru, India.

The session concluded with the valedictory function held on the 30th of May, 2026



Course Outcomes:

At the end of the FDP, students will be able to:

CO1: Participants will be able to understand and apply fundamental concepts of Artificial Intelligence, Machine Learning, and Generative AI for academic research and problem-solving applications.

CO2: Participants will be able to integrate AI-enabled tools, prompt engineering techniques, and modern teaching-learning methodologies into classroom instruction, research, and project-based activities.

CO-PO Mapping Table

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	3	3	2	3	3	1	1	2	1	2	2
CO2	2	2	3	2	3	2	1	2	3	3	2

Scale: 3 – High, 2 – Moderate, 1 – Low, – No Correlation


Convener
(Dr. Mirajkar G. S.)




President & Principal/Director
(Dr. Sharad S. Mulik)
Principal
Samarth Educational Trust
Arvind Gavali College of Engineering
Panmalewadi, Satara