

Report on Expert Session: Prototyping and Edge AI

Event Title: Prototyping and Edge AI

Date: 17th March 2026

Place: Seminar hall, room no 618

Resource Person: Hardik Chadda, Master Trainer for Arduino and Lecturer at Dayalbagh Educational Institute

An expert session on “Prototyping and Edge AI” was conducted on 17th March 2026 with the objective of introducing students to modern approaches in developing intelligent embedded systems. The session was delivered by Hardik Chadda, a Master Trainer for Arduino and an academician actively working at the intersection of Artificial Intelligence, Internet of Things (IoT), Neuroscience, and Pedagogy.

The session began with an overview of prototyping methodologies, emphasizing the importance of rapid development and iterative design in engineering projects. The speaker highlighted how prototyping enables students and researchers to quickly validate ideas and transform concepts into functional models using platforms like Arduino.

A significant focus of the session was on Edge AI, where computation is performed on local devices rather than relying on cloud-based processing. The resource person explained the advantages of Edge AI, including reduced latency, improved privacy, and real-time decision-making capabilities. He elaborated on how Edge AI is transforming industries such as healthcare, smart cities, and automation.

Further, the speaker demonstrated the integration of AI with the Arduino ecosystem, providing insights into the complete pipeline for developing IoT and Edge AI projects. This included data acquisition using sensors, preprocessing, deploying lightweight machine learning models on embedded devices, and real-time inference. Practical examples and case studies were shared to enhance understanding and engage participants.

The session was highly interactive, with students actively participating in discussions and clarifying their doubts regarding implementation challenges and future scope. The speaker also guided students on how to approach interdisciplinary projects combining AI, IoT, and embedded systems.

Overall, the session proved to be informative and enriching, equipping participants with valuable knowledge about emerging technologies and inspiring them to explore innovative project ideas in the domain of Edge AI and prototyping.





St. Francis Institute of Technology

(Engineering College)

An Autonomous Institute, Affiliated to University of Mumbai

NAAC A+ Accredited | CMPN, EXTC, INFT NBA Accredited | ISO 9001:2015 Certified

Department of Electronics and Telecommunication Engineering

Title

Date: 17/03/2026

Venue: 618

Participants List

S.No	Roll No	Name	Div	Sign
1.	16	Nehal A. Nayak	B	Nhayak
2.	41	Paarth Pai	B	Pai
3.	39	Manav Sawant	B	Sawant
4.	05	Shripad P. Chavan	A	Shripad
5.	52	Tanish S. Gaddam	A	Gaddam
6.	43	Nihar Sandip Kawale	A	Kawale
7.	69	Bhawnika Samal	A	Bhawnika
8.	20	Gopika Menon	A	Gopika
9.	62	NEHAL MATHUR	A	Nehal
10.	35	Tanishka Deshmukh	A	Tanishka
11.	66	Sofin Lemos	A	Sofin
12.	10	Rashi Gupta	A	Rashi
13.	22	Janhvi Mishra	A	Janhvi
14.	24	Utsavi Hatkar	A	Utsavi
15.	38	Arpita Gaud	A	Arpita
16.	65	Shreyas Y. Lemos	A	Shreyas
17.	59	Yash Mishra	A	Yash
18.	57	Aayush Lodhiya	A	Aayush
19.	47	Mital Lodhiya	A	Mital
20.	34	Kousha Daware	A	Kousha
21.	11	Tanmay Ingale	A	Tanmay
22.	14	Shubham Kadam	A	Shubham
23.	06	Jiteshn Ganesha Desai	A	Jiteshn