



3 Courses

Fundamentals of Sensors

Sensors and Systems for
Biomedical Applications

Designing a MEMS-Based
Sensor for Exhaled Breath
Analysis



Jun 15, 2026

Pradipta Dolai

has successfully completed the online Specialization

Sensor Technologies for Biomedical Applications

This program has given the learner an in-depth understanding of sensor technologies in biomedical systems. Through hands-on learning, they have mastered principles and applications of various sensors and gained practical experience in sensor design, microfabrication, characterization, and interfacing. They also explored regulatory and ethical considerations. In the capstone project, the learner applied this knowledge to develop a biomedical device from scratch.

Hardik J Pandya
Associate Professor
Electronic Systems
Engineering

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