SAVEETHA ENGINEERING COLLEGE
AUTONOMOUS
NAAC A GRADE
Affiliated to Anna University | Approved by AICTE

Centre of Excellence

Centre for Micro Nano Design and Fabrication (CMNDF)

About CMNDF

Established in 2012, the **Centre for Micro Nano Design and Fabrication (CMNDF)** at SEC is a hub for cutting-edge research in **MEMS, BioMEMS, Microfluidics, Biosensors, Solar Cells, Nanomaterial applications and Photonics**, facilitating the journey from design to prototype fabrication. The Centre fosters interdisciplinary innovation, providing state-of-the-art facilities and expertise to researchers working at the intersection of nanotechnology and biomedical engineering.

Laboratory facilities

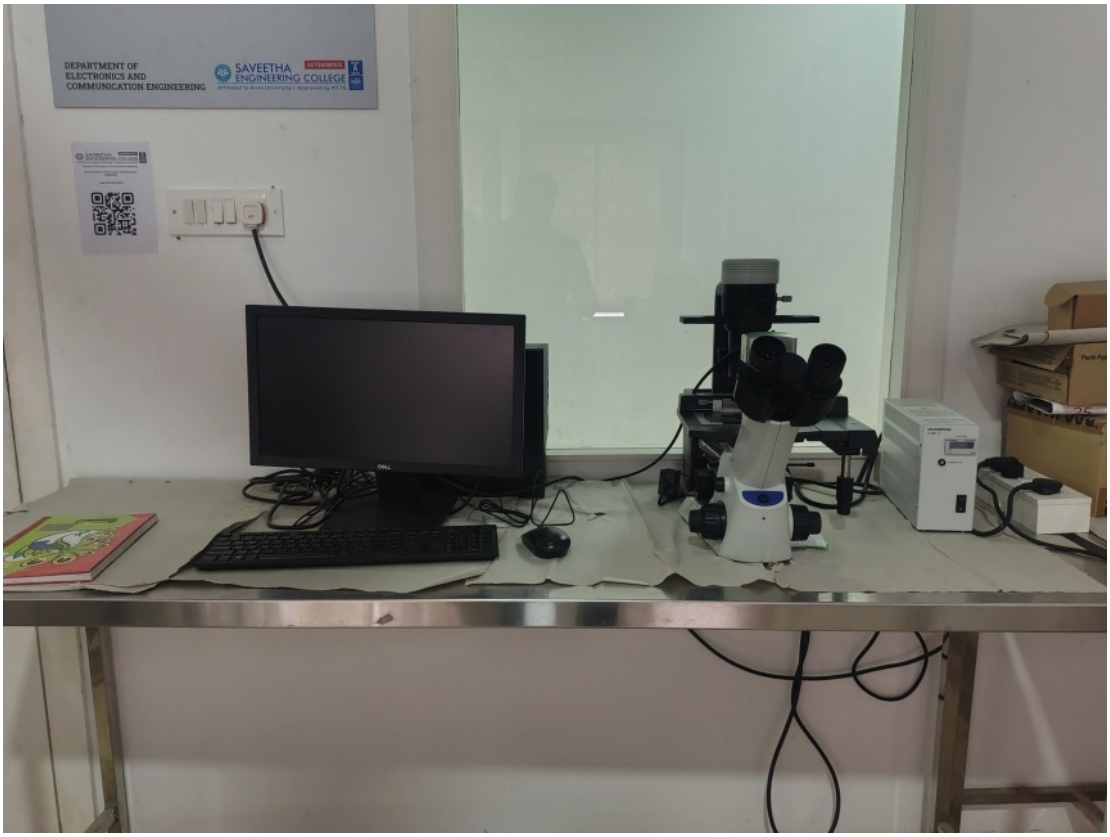
S. No	Labs	Year of establishment
1.	MEMS Design Centre	2012
2.	WET Lab	2018
3.	Microfluidics Lab	2018
4.	Electrochemical Processing Lab	2018
5.	BioMEMS Lab	2018
6.	Photonics Lab	2021
7.	Nano Material and Synthesis Lab	2024
8.	Multifunctional Materials Lab	2024
9.	Material Testing Lab	2025

COURSES OFFERED

1. EC520 - Introduction to MEMS and NEMS
2. EC1817 - MEMS Fabrication and Integration
3. EC1818 - FEA and MEMS Simulation
4. EC1525 - RF MEMS AND MOEMS
5. EC1819 - BioMEMS and Microfluidics
6. EC1820 - Nanoscience and Nano technology
7. EC1821 - Design, Testability and Applications of MEMS and NEMS
8. 19PH602 / SH3602-Nano-Photonics: Physics, Fabrication and Technologies

PHOTOGRAPHS –CMNDF




DEPARTMENT OF
ELECTRONICS AND
COMMUNICATION ENGINEERING
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AND FABRICATION (CMNDF)
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CENTRE FOR MICRO NANO DESIGN AND FABRICATION (CMNDF)
PHOTONICS LAB
PHOTONICS LAB
in this lab
mistakes
are
re-peated
respected
expected
corrected


CENTRE FOR MICRO NANO DESIGN AND FABRICATION (CMNDF)
NANO MATERIALS AND SYNTHESIS LAB


INFRA
INCUBATOR


CMNDF
MICROFLUIDICS LAB
PDMS PREPARATION


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