



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Center of Excellence for Electronic Cooling and CFD Simulation
Department of Mechanical Engineering
SRM Institute of Science and Technology
Kattankulathur, Chengalpattu, Tamil Nadu, India-603203

PRESENTS

Minor Program in Electronic Cooling

Taught by **Dr. Prabhakar Subrahmanyam**

Visiting Professor of SRMIST and SRMAP

Sr. Staff Scientist/Distinguished Engineer, Dell Technologies, USA

Why Choose Minors in Electronic Cooling?

- ✓ The curriculum of this program aligned with the National Semiconductor Mission (NSM), Government of India's strategic initiative to make India a global hub for semiconductor design and manufacturing.
- ✓ This minor empowers students with skills needed to meet thermal challenges in electronics, a key focus of the country's growing electronics manufacturing ecosystem.
- ✓ The selected courses will be taught by industry experts from Dell, Intel, Google, ANSYS etc., thus bridging the gap between Academia and Industry.

HANDS-ON EXPERIENCE WITH

- ✓ Cooling strategies for data centers, power electronics, automotive electronics, and wearables
- ✓ Real-world projects on Heat Sinks, Heat Pipes, Cold Plates, Jet Impingement, Thermoelectric Cooling & More
- ✓ Advanced simulation with Ansys Icepak, COMSOL, and other thermal modeling tools

CAREER PROSPECTS

- ✓ Thermal Design Engineer | R&D Specialist | Software Thermal Engineer | Semiconductor Packaging Engineer

INDUSTRY OPPORTUNITIES

- ✓ Work-ready training for roles at: Intel, DELL, AMD, Google, Honeywell, Apple, Nvidia, Meta and start-ups under the India Semiconductor Mission.

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Courses Include:

- ✓ Professional Core
 - Fundamentals of Heat Transfer and Microelectronic Devices
 - Capstone Program in Microelectronic Cooling (Industry Internship in Classroom)
- ✓ Professional Electives (Any three)
 - Elements of Microelectronic Packaging
 - Advanced Electronic Cooling Methods (Contemporary & Emerging Techniques)
 - Reliability of Electronic Systems and Devices
 - Thermal Management for Wearable Devices
 - Introduction to Data Center Thermal Management

**ENROLL
NOW**
LIMITED SEATS
AVAILABLE!



A++



Category 1
with 12B Status



(2024)
12th Ranked University



(2025) World Ranking
one among 46 Indian Universities



(2024) World Ranking
one among 91 Indian Universities



VERY GOOD
QS 4 Star Rated Globally



(2024) World Ranking
Ranked 5-7 in Indian Universities