

Call for Applications Full-Time PhD in Electronics Cooling

Join a Cutting-Edge Research Program Shaping the
Future of Thermal Management



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



Eligibility

Master's degree in Mechanical, Electrical, Electronics, Thermal, or Allied Disciplines with strong interest in Heat Transfer and Simulation

Stipend

₹25,000/month (Without GATE)

₹31,000/month (With GATE)

Apply Now / Contact for Details Registration Link:
<https://admissions.srmist.edu.in/srmistonline/phdapplication>

head.ceec.ktr@srmist.edu.in, gnanaveb@srmist.edu.in

<https://www.srmist.edu.in/department/center-of-excellence-for-electronic-cooling-and-cfd-simulation/>

9677059138, 7904754109

Why Electronics Cooling?

With the rapid growth of power electronics, electric vehicles, data centers, and high-performance computing, thermal management has become a critical challenge. This PhD program focuses on developing advanced cooling solutions using multiphysics modeling, CFD, and experimental validation.

Research Areas Include

- Heat Transfer in High-Power Electronics
- Phase Change Materials and Heat Pipes
- Advanced Cooling of EV Batteries & Power Modules
- CFD Modeling and Simulation (ANSYS, COMSOL, OpenFOAM)
- AI & ML in Thermal Design Optimization
- Thermo-electric and Microchannel Cooling Systems
- Two-phase and Liquid Immersion Cooling for Data Centers
- Multiphysics Integration: Heat, Fluid, EM & Structural

Program Highlights:

- Full-time research opportunity in cutting-edge labs
- Collaboration with global industries, startups & universities
- Mentorship by renowned faculty and R&D experts
- Access to high-end simulation and experimental facilities
- Opportunity to file patents, publish in top journals
- High employability in electronics, EV, aerospace, and data center industries

Application Deadline :

Important Dates - Ph.D Academic Session - June 2025

Last date to submit the application	: 30 th April 2025
Department level entrance and interview	: 21 st May 2025
Release of list of candidates for provisional registration	: 06 th June 2025
Last date to pay tuition fee	: 25 th June 2025
Reporting date at directorate of research	: 03 rd July 2025



BEL 407, Center of Excellence for Electronic Cooling and CFD Sim Lab, Basic Engineering Lab, Third Floor, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Chennai - 603203, Tamil Nadu, India,



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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