

## NOTABLE ACHIEVEMENTS

- Mr. K. Sudharsan Received Khorona scholarship from Win step forward IUSSTF at states, at University of Wisconsin Madison, in the Department of Neuroscience, under Dr. Xinyu Zhao in her laboratory – 2017 summer, Stipend Received: 2500USD
- Dr. Nitin Kumar received Tony B Travel Academic Award, SLAS2019, USA on Feb 2019 and second time
- SLAS Europe2019 on June 2019.
- Dr. K. Anbarasu Received DST-Young scientist award project worth INR18,90,000.
- Three students of 2019 batch Ms. Hasmitha, Ms. Meenakshi, and Mr. Hemanth joined Rutgers University USA with merit stipend.



# MY UNIVERSITY MY FUTURE

DEPARTMENT OF  
**NANOTECHNOLOGY**  
M.Tech Nanotechnology (Full time - 2 Years)  
Ph. D - (Full Time & Part Time)

**VALUE ADDED CERTIFICATION COURSES**

DURING THE ACADEMIC PERIOD FOR MORE EMPLOYMENT OPPORTUNITIES

- Bio Instrumentation
- Synthesis of Biochemical Compounds on Pharma Formulation.
- Certificate course on Bioimaging

THINK  
INNOVATE  
TRANSFORM

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamilnadu, India.

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## M.Tech NANOTECHNOLOGY

The M. Tech (Nanotechnology) programme was established in the year of 2008 and received a grant from the Department of Science & Technology to promote programme. The program is aim to train the students in deeper theoretical knowledge which will enable them to tackle practical complex problems of design and development in industrial fields, as well as pursue further academic achievements through research. For fulfilling this aim, the programme structure provides sufficient flexibility in coursework and thesis project.

## SALIENT FEATURES

- Practical exposure on Higher End sophisticated instruments like

Scanning Electron Microscope, Atomic Force Microscope, Raman Spectroscopy, Electro Spinning setup, Thermal Gravimetric Analyzer, Differential Scanning Calorimeter, etc.,

- Exposure on FOSS like Molview, Chem Sketch, Argus lab etc.
- Highly experienced faculties on Nanomaterials, Nanoelectronics, Nanobiotechnology, Thin films, Nanophotonics, Nanosystems, etc.,
- Facilitate the students to take up the In Plant Training and Final project at premier laboratories like inStem Research-Bengaluru, DRDO, ISRO, BHEL-Tiruchy, CECRI-Karaikudi, C-MET-Hyderabad, Shasun Chemicals and Drugs Limited-Pondicherry, Cape Breton University Canada, Chengdu University of Information Technology China etc.,

- Exposure to various technology and nano facilities available at organizations like CMTI-Bengaluru, IIT-Madras, Cheriyan Heart Foundation-Chennai, Bio-Medical Signal Processing Laboratory-Annamalai University-Chidambaram, etc.,
- Conducting Student Executives Programmes to enhance entrepreneurship skills.

## CAREER OPPORTUNITIES

- Scientist in CSIR, ICMR, DRDO, ISRO , BHEL and Industrial R&D
- Opportunity in international translational research
- Scientific Officer & Technical Officer
- Production and Service Engineer
- Project Fellow/ Research Associate,
- Project Manager & Project Assistant
- Project Associate
- Junior Research Fellow (JRF)
- Senior Research Fellow (SRF)

## ACHIEVEMENTS

- Received grant from Nanomission, Department of Science and Technology, Govt.of India, ₹1,03,00,000 for PG Teaching Programme in Nanotechnology.
- Ms.N.Anitharaj won 3rd Prize organized by PSG NANOCHALLENGE competition at PSG Technology, Coimbatore and Registered Dual Degree Programme at Shizuoka University, Japan, 2017.
- Ms. M. Harshini is one of the co-inventor of the provisionally pattern titled as "Synthesis and characterization of N,S-ligands and the corresponding copper complexes for antimicrobial and antioxidant activity" carried at Cape Breton University Canada, 2013.
- Around 80% Placed as JRF, Scientists and Ph.D Research scholars, etc.,

Raman Spectroscopy



Scanning Electron Microscopy

