

## 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 BIOTECHNOLOGY

- B.Tech** Biotechnology
- B.Tech** Biotechnology with specialization in **Computer Science and Biology**
- M.Tech.** Regular (2 Years) **Nanotechnology**
- 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



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

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## ESTABLISHMENT

Department of Biotechnology was established in year 2002. The department has been contributing to active research in various fields of biotechnology such as bio process engineering , drug development for cancer and other ailments, bioinformatics, bio-fuels, bio fertilizer production and regenerative medicine. The department co-functions with the Periyar Technology Business Incubator (PTBI) for development of new products through entrepreneurial ventures.

## M.Tech NANOTECHNOLOGY

Under Nano Mission Scheme, by the Department of Science and Technology, Government of India, M.Tech Nanotechnology was established in the year 2010

## PROGRAMME OVERVIEW

- PMIST Biotechnology bridge the demands in Bioprocess & Bio-production with software skills globally in Medical, Pharma, Agri, Food, Defense, Energy and Environment Industries as • Process Engineers
- Scientists • Bio-Data Scientist
- Entrepreneurs

## SCOPE OF THE DEPARTMENT

- Health care Product Production Industries
- Food and Agriculture Product Development Industries
- Bio-energy and Environmental Sectors
- Defense Research • Bio-Software and Bio-IT Industries

## BEST PRACTICES

- Students are encouraged to practice in research labs in order to develop and test their own products.
- Students are encouraged to perform their assignments based on scholarly articles which help them to connect syllabus with modern research and make them qualified in GATE examination.
- Our students got admission for higher studies in IITs, NUS Singapore, NITs, Cape Breton University, Canada.
- Ph.D. scholars received the following fellowship from DST-Inspire, Jawaharlal Nehru Fellowship, CSIR (SRF), CSIR(RA)
- DBT sponsored Post Graduate Traineeship in Biotechnology & Bioinformatics division at STEC, TBGRI, Thiruvananthapuram, Kerala

## CONSULTANCY SERVICES

- Atomic force microscopy
- Gene sequencing
- Microbial analysis of water
- Qualifying analysis of soil nutrients
- Protein profiling
- DNA amplification - PCR
- Microbial cloning
- Western blotting

## ABOUT SPECIALIZATION IN COMPUTER SCIENCE AND BIOLOGY

- Software Test Engineer in Automation of Industrial Biological Process.
- Bio-Data Scientist for health care Industries
- Bio-IT Engineer • Entrepreneurial opportunities in Software Development for the Biological Applications

## PROMINENT ALUMNI TESTIMONIAL



**Anamika P**  
TATA Centre for  
Technology & Design, Mumbai

PMIST provide us a cool environment at the same time vibrant motivation along with strong skill which one I realized after joined in IIT Bombay.



**K. Sudharsan**  
University of Wisconsin Madison,  
Department of Neuroscience, USA.

Periyar Maniammai University made me from a stone to beautiful sculpture. Along with knowledge I have learned what self respect cum humanity is. I am very much grateful for the timing financial support from entire university to join Khorana fellowship at USA.