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.







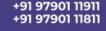


PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY (Deemed to be University)

Periyar Nagar, Vallam, Thanjayur - 613 403, Tamilnadu, India.























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



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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 & Bioproduction 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, Thiruvanathapuram, 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.