MY UNIVERSITY MY FUTURE

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

PERIYAR MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

think • innovate • transform

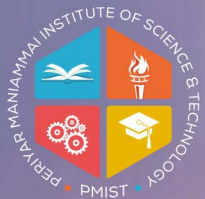**GREAT LEARNING. GREATER FUTURE.**

THINK | INNOVATE | TRANSFORM

www.pmu.edu

RECOGNITION & AWARDS

TOP 100 DEEMED UNIVERSITIES IN INDIA (PVT)
No.19
RANKED BY: IIRF-2022

DEPARTMENT OF ARCHITECTURE
No.18
RANKED BY: IIRF-2022
IN NATIONAL LEVEL

TOP 100 DEEMED UNIVERSITIES IN INDIA (PVT)
No. **7** STATE RANK DEEMED UNIVERSITY
RANKED BY: IIRF-2022

R
RANKED BY
World Institutional
RANKING
RANKED
No.18
IN NATIONAL LEVEL TOWARDS
PRACTICING SUSTAINABLE EDUCATION - 2022

PERIYAR MANIAMMAI

INSTITUTE OF SCIENCE & TECHNOLOGY

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think • innovate • transform

THINK

INNOVATE

TRANSFORM

பெரியார் மணியம்மை நிகர்நிலை பலகலைக்கழகம்

THE PMIST ADVANTAGE

Encompassing 115 acres with state-of-the-art infrastructure

. . . .

Eco-friendly campus enriched with a clean and green environment practicing Zero Carbon Measures which contributes towards sustainable development

. . . .

Provides quality education at UG, PG and Doctoral levels. Specialization and Value added courses for skill enhancement

. . . .

ICT enabled classrooms and well equipped laboratories . 1 Gbps Wi-Fi enabled campus

. . . .

Out Come Based Education (OBE)

. . . .

Well equipped Library with largest collection of books with OPAC (Online Public Access Catalogue) and research journals

. . . .

Multipurpose Indore Stadium, 400 mts track and Foot Ball Ground

. . . .

Furnished Separate Hostel facilities for Boys and Girls - Hygienic and Nutritious Food - Purified Drinking water. 24x7 Hospital assistance, Bank , Post Office and Store within the campus

. . . .

Periyar Technology Business Incubator for young Entrepreneurs

. . . .

Well connected transport facilities for more than 60 Kms.

PERIYAR **PURA** FOR SOCIETAL DEVELOPMENT

Providing Urban Amenities in Rural Areas

Accolades by
Dr. A.P.J. Abdul Kalam
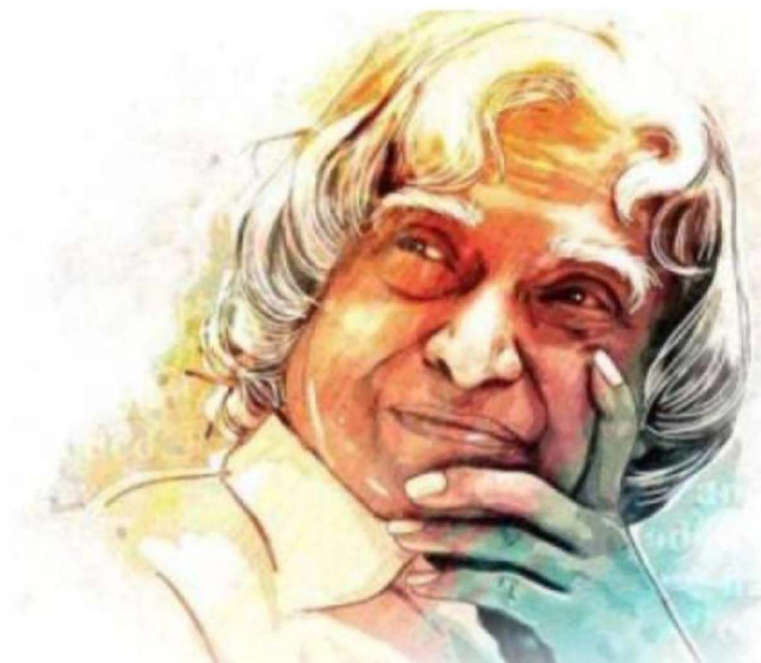## Former President of India

Periyar PURA (Providing Urban Amenities in Rural Areas) has been appreciated by His Excellency Dr. A.P.J. Abdul Kalam, Former President of India in his address on the eve of the Independence Day 2006 which was nationally broadcast.

"The model of PURA Complex has all three connectivity namely physical, electronic and knowledge, leading to economic connectivity. This has resulted in large scale employment generation and creation of a number of entrepreneurs with the active support of 1150 self-help groups. Two hundred acres of waste lands have been developed into a cultivable area with innovative water management scheme".

PHYSICAL
ELECTRONIC
ECONOMIC
KNOWLEDGE

PERIYAR PURA PROVIDES PHYSICAL, KNOWLEDGE, ELECTRONIC AND ECONOMIC CONNECTIVITY TO 67 VILLAGES WITH THE POPULATION OF 1,19,000, ADOPTED IN THANJAVUR, PUDUKKOTTAI AND TRICHIRAPPALLI DISTRICTS

ASSURED MARKETING
LOCAL EMPLOYMENT
SHGs –EDPs – TBI
AGRO BASED SSIs
PERIYAR ELs

TECHNICAL KNOW/ DO-HOW
PMU, IGNOU, COADE, CDEEP
TRANSPORT FACILITIES

MEMORANDUM OF UNDERSTANDINGS

TCS iON | Training Partner

INTACH — Indian National Trust for Art and Cultural Heritage

Q - TEK DEVICES
.........a total solution for educational lab trainers

HIGH ENERGY BATTERIES (INDIA) LIMITED

KEW ACADEMY
KNOWLEDGE | EXCELLENCE | WISDOM

velmurugan GROUP COMPANIES

Jerry John Powers Pvt Ltd.

Prag Robotics
Research ■ Innovation ■ Development

THE UNIVERSITY OF IOWA

NSU 1959 Novosibirsk University

Siemens Centre of Excellence in Manufacturing

UTA UNIQUE MEP ENGINEERING ACADEMY Pvt. Ltd.,

SSUGT SIBERIAN STATE UNIVERSITY OF GEOSYSTEMS AND TECHNOLOGIES

Cape Breton University

國立臺灣海洋大學 NATIONAL TAIWAN OCEAN UNIVERSITY

Rexroth Bosch Group

TAYLOR'S UNIVERSITY
Wisdom · Integrity · Excellence

DEPARTMENT OF
ARCHITECTURE
B.Arch. (5 years)

PROGRAMME OVERVIEW

- The Architecture degree is designed in such a way that it fulfils the educational component of professional certifying body Council of Architecture (CoA)

- The Program is a comprehensive amalgamation of professionally oriented course design and outcome based education system.

- The peer learning methodologies adopted in the department facilitate interaction and knowledge transmission and inculcate collaborative attitude in the profession.

- The curriculum is designed by experts from academia and profession to meet the various multi- disciplinary knowledge that an architect must possess to design the built environment.

FACILITIES

The Department has separate studios and smart classrooms for every year, exclusive computer centre with latest hardware and software, state of art climatology labs, audio visual hall, building material museum, construction yards and an exclusive department library.

SCOPE OF ARCHITECTURE

Career in Architecture is attractive, lucrative and has lot of potential in terms of development in the construction industry and allied fields. The scope expands around

• Building Designer • Interior Designer • Landscape Designer • Art/Set Designer • Project Management Consultant • Construction Manager Environmental / Sustainable Design Consultant • 3d Visualizer Academician • Client Site Arbitrator • client side as Architect • Urban Planner • Product Designer • Historic Building Inspector / Conservationist • Government Organizations.

The PMIST Advantage

- Highly Qualified and Experienced Faculty members
- Active participation in professional bodies like Indian Institute of Architects (IIA), INTACH, ISOLA and ISTE.
- Hands on experience through design, art, construction and services workshops.
- Involving students in consultancy projects.
- Continuous Mentoring and Alumni Support

DEPARTMENT OF
AEROSPACE ENGINEERING
B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

ACHIEVEMENTS
ASIA'S First Satellite Launched by Girl Students "SKI NSLV9 Maniammaiyar SAT

• **B.Tech. Aerospace Engineering** | **B.Tech. (Hons.) Aerospace Engineering with Specialization in Unmanned Aerial Vehicle**

PROGRAMME OVERVIEW

- It has two major and overlapping branches; Aeronautical and Astronautical Engineering.
- It is the primary field of engineering concerned with the development of Aircrafts and Spacecrafts.
- It includes the design, construction, testing and maintenance of Aerospace components.
- This discipline interacts between Aerodynamics, Propulsion, Structural Analysis, Avionics and Space mechanics.

SCOPE OF AEROSPACE

- Direct and coordinate the design, manufacturing and testing of aircraft and aerospace products.
- Demand in Air Transportation and newer technologies.
- Wide job opportunities in both government & private sectors.
- Make our nation pride through development of Satellites and innovations.

About Specialization in UNMANNED AERIAL VEHICLE

- Role of Unmanned Aerial Vehicle (UAV) in aviation and defense sector is inevitable
- Emerging technology for commercial and industrial applications.
- Colossal job opportunities are available globally

The PMIST Advantage

- Well-equipped laboratories and good infrastructure facilities.
- Highly qualified and experienced faculty members.
- Providing value added courses and soft skill training
- Industry focused curriculum and syllabus

DEPARTMENT OF
BIOTECHNOLOGY

B.Tech. Regular (4 Years)

B.Tech. (Hons.) Biotechnology with **Specialization in Computer Science and Biology**

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 BIOTECHNOLOGY

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

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

The PMIST Advantage

- Imported Instruments and equipments
- Fully Air Conditioned Laboratories.
- Unique way fused C, JAVA, Python, R Program, R Studio, MATLAB software languages in Biological applications
- Two in one course to familiar with software languages as well as core Biotechnology

ENTREPRENEURS

10 Undergraduate students have started their own start-ups @ Periyar Technology Business Incubator (initiative of DST, Govt, of India and PMIST) in PMIST.

DEPARTMENT OF
CIVIL ENGINEERING
B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

B.Tech. (Hons.) Civil Engineering with
Specialization in GIS and Remote Sensing

PROGRAMME OVERVIEW

- Established in the year 1989
- Equipped with state of art laboratory
- Well qualified, Experienced and dedicated Faculty members.

SCOPE OF CIVIL ENGINEERING

- Planning • Designing • Estimating
- Supervising construction
- Managing construction • Execution
- Maintenance of structures like building, roads, bridges & dams.

About Specialization in GIS AND REMOTE SENSING

- Transportation planning
- Watershed Analysis
- Soil Mapping
- Disaster Management.

The PMIST Advantage

- Demand in application of GIS in agriculture and Natural Resource management.

DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

B.Tech. (Hons.) ECE with Specialization in AI and ML

B.Tech. (Hons.) ECE with Specialization in Robotics and Industrial Automation

PROGRAMME OVERVIEW

- Established in the year 1988. Latest Accreditation by NBA in 2009
- Provides students with a strong theoretical and experimental knowledge • Laboratories are well equipped
- An industry-oriented curriculum helps in building a strong foundation of engineering

About Specialization in AI and ML

- AI and ML are now the major tools in providing better solutions for IT, Agriculture, Education, etc.,
- In future, all industries will implement AI and ML in their daily routine

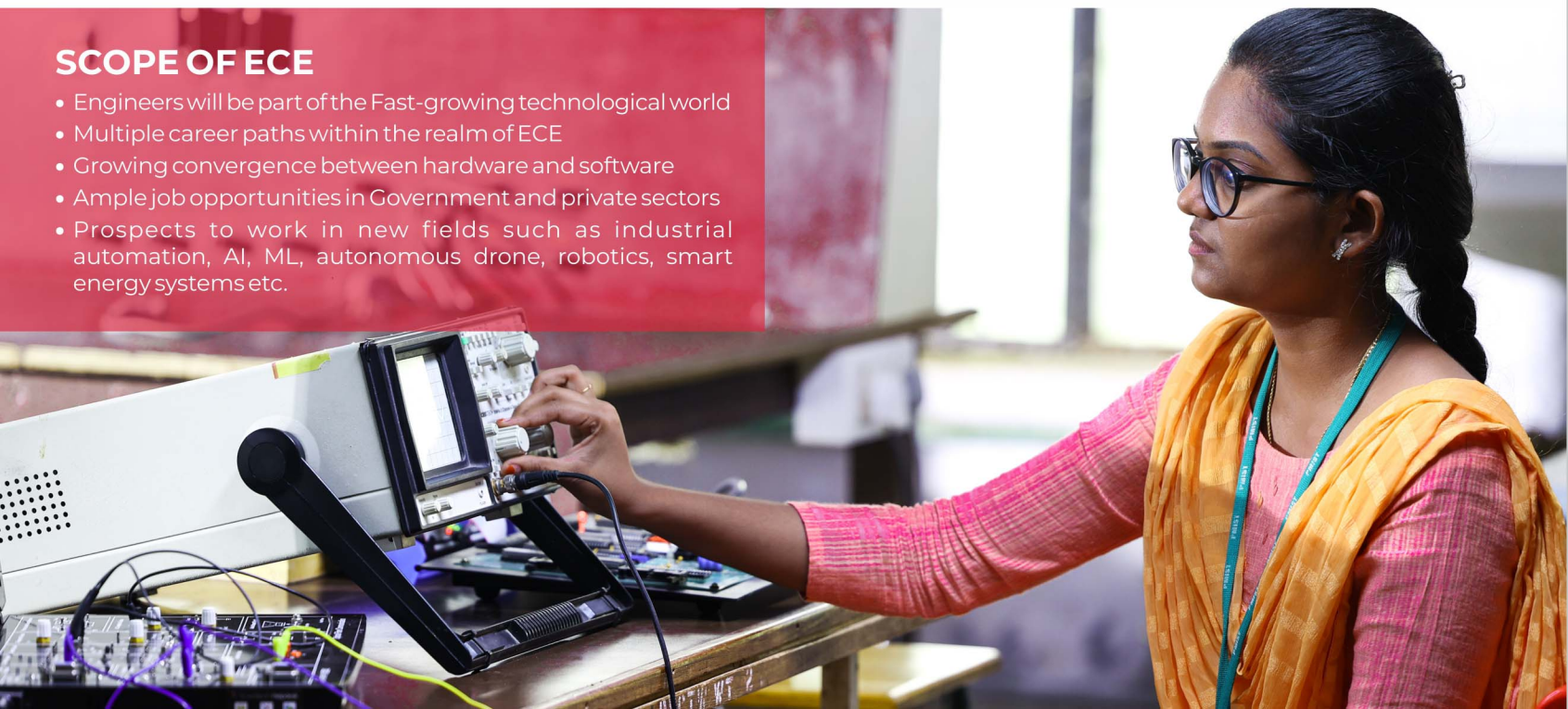## About Specialization in ROBOTICS AND INDUSTRIAL AUTOMATION

- One of the topmost career choices among the aspirants
- Leads to potential career opportunities in manufacturing, research and engineering, agriculture, mining, etc.,
- In Future, a variety of opportunities are available for ECE professionals specializing in Robotics

The PMIST Advantage

- Centre of Excellence for Training and Research in Automation Technologies in Tie-up with Bosch Rexroth
- Centre of Excellence for Next Generation Networks associated with Tejas Network
- e-Yantra laboratory in association with IIT, Bombay

SCOPE OF ECE

- Engineers will be part of the Fast-growing technological world
- Multiple career paths within the realm of ECE
- Growing convergence between hardware and software
- Ample job opportunities in Government and private sectors
- Prospects to work in new fields such as industrial automation, AI, ML, autonomous drone, robotics, smart energy systems etc.

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

B.Tech. (Hons.) EEE with Specialization in Electric Vehicles
B.Tech. (Hons.) EEE with Specialization in Energy Engineering

PROGRAMME OVERVIEW

- Profession that uses science, technology and problem - solving skills to design, construct and maintain products, services and information systems.
- Fascinating field that could make your time a uni - challenging, enriching and rewarding experience.
- Extends its contribution towards different fields like Energy Conservation and Auditing, Energy Efficient Systems, Renewable Energy Systems & Electric vehicles.

About Specialization in ELECTRIC VEHICLES

- Future Mobility with Electric Vehicles that focuses on the Basics of Battery driven Electric Vehicles Dynamics • Focuses on Motors, Power Electronics Controllers, Batteries and its charging, etc. • Impacts of EV on the economy and environment

About Specialization in ENERGY ENGG

- Green energy generation emphasizes the construction and installation of wind / solar farms and other alternate sources.
- Energy Storage System solves the societal power challenges
- Renewable energy integration

SCOPE OF EEE

- Equipped to build software, electronic components, and products for commercial, industrial and residential use.
- Electrical Engineering jobs represent over 60% of all available jobs in job market of various other Engineering fields
- Well positioned to address a variety of crucial engineering issues faced by the society.
- Most Prominent in manufacturing, power generation, transmission, distribution, E-vehicles and utilization sectors.

The PMIST Advantage

- Established in the year 2002 with ten state of art well - equipped laboratories.
- Best platform for the students to acquire the engineering skills to shape their future.
- Well - structured curriculum to meet the industry expectations and recent trends in research.
- Value Added Courses for apt and prompt employability.

SCOPE OF MECHANICAL ENGINEERING

- Design and development of Mechanical Systems, Products and Structures
- Manufacturing and Quality Control
- Robotics and Industrial Automation
- Power plants, Refrigeration & Air conditioning
- Mining, Metals and Materials
- Automobile, Aerospace and Marine
- Energy and Environment

DEPARTMENT OF
MECHANICAL ENGINEERING
B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

B.Tech. (Hons.) Mechanical Engineering with Specialization in **Robotics and Industrial Automation**

B.Tech. (Hons.) Mechanical Engineering with Specialization in **Energy Engineering**

PROGRAMME OVERVIEW

- Well framed curriculum and syllabi covering all basics and advanced topics required for a good employment.
- Projects, industrial internships / visits / training, seminars, symposia and workshops for enhanced career prospects.

About Specialization in ENERGY ENGG

- The students will learn about different sources of energy, their utilization and conservation.
- More employment opportunities in Power plants (Solar, Thermal and Wind, etc.) and industries related to Solar Photovoltaic, Solar Thermal and Energy storage systems.

About Specialization in ROBOTICS AND INDUSTRIAL AUTOMATION

- Offered with industry tie-up, the courses will be handled by industry experts.
- The students will learn about drives, sensors and operating systems for robots, design and programming of robots, etc.
- Great employment opportunities in next generation industries and in service robot concerns. The students can also take up R&D projects or become entrepreneurs.

The PMIST Advantage

- Industry and job oriented Value Added Courses enhances career prospects.
- Effective teaching and individual mentoring for all students by well qualified and experienced faculty members.
- The department has state of the art facilities and well equipped and modernised laboratories.

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

B.Tech. Regular (4 Years) / Lateral Entry (3 Years)

B.Tech. (Hons.) CSE with Specialization in AI and ML

B.Tech. (Hons.) CSE with Specialization in Data Science

B.Tech. CSE (Cyber Security)*

PROGRAMME OVERVIEW

- Established in the year 1988
- The Computer Science and Engineering Department imparts high quality education in the field of Computer Science and Engineering and also develops the overall personality of the students.
- It has well qualified faculty members and well - equipped laboratories to develop the technical skills of the students. 15+ Average years of Teaching Experience and 50% faculty with Ph.D

About Specialization in AI and ML

- The students will learn about the most effective Artificial intelligence and Machine learning techniques, and gain practice implementing them and getting them to work for society.
- Course content shall be delivered by industry persons from Prag Robotics.
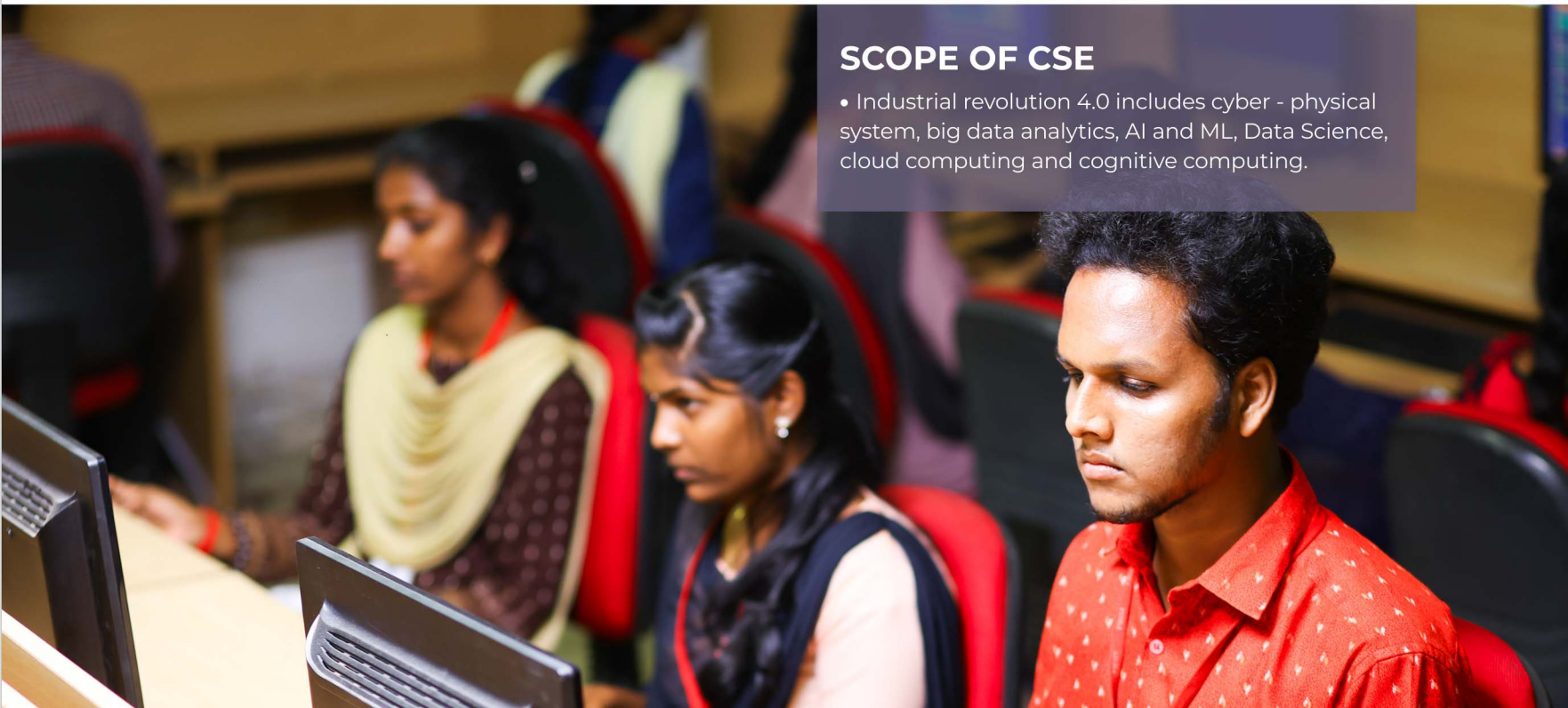
About Specialization in DATA SCIENCE

- Data Science (DS) is concerned with extraction of useful knowledge from data sets. It is closely related to the fields of computer science, mathematics, and statistics.
- Course content shall be delivered by industry persons from Prag Robotics.

The PMIST Advantage

- Certification program by ICT Academy, TCSiON & Prag Robotics
- Collaboration with National Cyber Safety and Security Standard
- Centre of Excellence in 5G Networks
- 100% Placement during three consecutive years.

SCOPE OF CSE

- Industrial revolution 4.0 includes cyber - physical system, big data analytics, AI and ML, Data Science, cloud computing and cognitive computing.

PROGRAMMES OFFERED

UG PROGRAMMES
B.TECH (4 Yrs) | B.ARCH (5 Yrs)

ARCHITECTURE
B.Arch. **Bachelor of Architecture** (5 Years)

EDUCATION
- B.Ed. (2 Years)
- B.Sc. B.Ed. (4 Years Integrated)

UG PROGRAMMES (3 Yrs)
BATCH 1: CO-EDUCATION

ARTS | SCIENCES | HUMANITIES | MANAGEMENT

- **B.C.A.**
- **B.Sc. Data Science**
- B.Sc. **Artificial Intelligence**
- B.Sc. **Computer Science**
- B.Sc. Computer Science (**Cyber Security**)
- B.Sc. **Animation & Multimedia**
- B.Sc.
  - Mathematics
  - Physics
  - Chemistry
- **B.Com.**
  - General
  - Professional Accounting
  - Corporate Secretaryship
  - Computer Applications
- **B.A.**
  - English
  - Tamil
  - **Journalism & Mass Communication**
  - Political Science
- **B.B.A**
  - General
  - Hospitality Management
  - **Logistics & Supply Chain Management**
  - Digital Marketing

PG PROGRAMMES (2 Yrs)

ARCHITECTURE
- M.Arch.

ENGINEERING
- **M.Tech.**
  - Environmental Engineering
  - Nanotechnology
  - Renewable Energy
  - Wireless Communications
  - Power Electronics & Drives
- **M.B.A**
  - Finance
  - Human Resource
  - Marketing
  - Operations
  - Business Analytics
- **M.C.A**
- **M.Com.**
- **M.Sc.**
  - Computer Science
  - Computer Science (AR&VR)*
  - Data Science
  - Chemistry
  - Physics
  - Mathematics
  - Biotechnology
- **M.A.**
  - English
  - Tamil
  - History
  - Periyar Thought
  - Political Science
- **M.S.W** (Social Work)

Ph.D. PROGRAMMES
(Full / Part Time)
Architecture
Engineering
Arts
Sciences
Humanities
Management

UG PROGRAMMES
BATCH 2: EXCLUSIVE FOR WOMEN

ARTS | SCIENCES | HUMANITIES | MANAGEMENT

- **B.Sc.** Computer Science
- **B.C.A.**
- **B.Com.** Computer Applications
- **B.B.A**

BATCH-2 EXCLUSIVELY FOR WOMEN
11.45 am - 4.45 pm

100% TUTION FEE WAIVER

Placement Highlights

Our Alumni are working in Top MNC's, Banking Sectors & Govt sectors like BRAHMOS, CSIR, Chennai Metro Water, BSNL, etc.

100% PLACEMENT ASSISTANCE | **100+** COMPANIES

Some of the Top Recruiters

accenture | AINQA | AstraZeneca | BLASTECT Driven by Passion | bloomfield^x | BOSCH

BYTEBEAM | BANKZONE One stop express money solutions. | clearout | Conserve INSPIRE|INNOVATE|INTEGRATI | CronJ | dbc DB Cart Pvt Ltd

DELPHI·TVS Diesel Systems Limited | ETHNUS Explore | Expand | Enrich | HEXAWARE | HF HINDUSTAN FOODS LIMITED | IDFC FIRST Bharat | Justdial | L&T Finance

MAXVY® MAXimum Value for You | MDS Engineering Services Explore With Excellence | Movate | Muthoot Finance | PIX MONKS PEOPLE | INTELLIGENCE | EXPERIENCE | Rndsoft | tcs TATA CONSULTANCY SERVICES

RR SQUARE CONSTRUCTIONS | Sakthi Group | D-MACHENE ARTIFICIAL INTELLIGENCE | TATA MOTORS | Tvm Infotech | VEE TECHNOLOGIES Extraordinary Outcomes | wipro

DEPARTMENT OF
PHYSICAL EDUCATION

The Institution emphasizes on total personality development of all students so that they can serve for the advancement of the Nation. Keeping this in mind, training is given to students under National Sports Organization, which include physical fitness activities, martial arts, Games and Sports.

SPORTS FACILITIES

Well-Laid Courts for: • Basketball • Ball Badminton • Volleyball • Kabaddi • Kho Kho

Football field

400mts Standard Athletic track

Multipurpose Indoor Stadium for: • Badminton • Basketball • Chess • Table Tennis • Modern Gymnasium • Yoga

HOSTEL FACILITIES

All hostels are having exclusive gymnasium and indoor games facilities.

HIGHLIGHTS

• Trained faculties and experienced trainers for coaching
• Special lectures for yoga
• Annual State level Periyar Memorial Tournament

HOSTEL FACILITIES

There are four hostels - three of them Annai Nagammaiyar, Vittobai and Swarna Renganathan hostel are for women and they can accommodate around 2000 women students and the Chakravarthi hostel for men can accommodate 600 students. Hostels are located within the campus in clean and calm environment, conducive for living and learning.

FEATURES

· Hygienic and Nutrient rich steam cooking Facilities · Audio & Video Facilities in Dining Halls · Purified drinking water system · Need based food for students from other state and other countries · Solar Water Heating System - 5 Nos. 1000 litres Capacity provide hot water supply in hostels. · Biometric attendance punch system for the students attendance · 24 hours hospital support within campus · Playgrounds near hostels · Library and computer centre for the easy access of hostel students · Staff tutors for personal care and to guide students in the hostels · Staff members regular visits during study hours to improve academic performance

HOSTEL FACILITIES

· Spacious rooms and indoor recreation facilities · Room options of six, four, three, double and single bed
· Hygienic mess serving variety of Indian and Global cuisines · 24 X 7 Medical facility · Unlimited WiFi for all
· Round the clock security

NATIONAL CADET CORPS (NCC)

- 84 NCC Army Senior wing Girls is headed by Lt. Dr. P. Vijayalakshmi under the leadership of 4 - TN Girl's BN NCC, Trichy
- 50 NCC Army Boys Division is headed by Lt. U. Saravana Kumar under the guidance of 34 - TN INDEP COY NCC, Thanjavur.
- 70 NCC AIR Squadron is headed by FO V. Pandiaraj under the leadership of 3 - TN AIR SQN (Tech) NCC, Trichy.

NATIONAL SERVICE SCHEME (NSS)

- 10 units with approximately 1000 student's volunteers
- Regular Blood Donation Camp
- Tree Saplings plantation in all nearby villages
- Special camp programmes to create awareness about social responsibilities

YOUTH RED CROSS (YRC)

YRC ACTIVITIES

- First Aid Training Programme
- Traffic Training Programme • Blood Donation Camp • Healthcare Camp
- Eye Camp • YOGA Classes

RED RIBBON CLUB (RRC)

PROGRAMMES

- Celebrating Life Programme • Peer Educators Training • Life Skill Education Programme • Integrated Counseling & Testing Centre Visit • Blood Bank Visit • Rally and Blood Donation Camp

FACILITIES

HOSPITAL

• 24x7 ambulatory services • Mini Operation Theatre
• Eighteen bedded hospital

BANK

An exclusive branch of Indian Overseas Bank & ATM functions within the premises.

CAFETERIA

A wide range of South Indian and North Indian cuisine prepared and served in a hygienic environment

POST OFFICE

A wholly functioning post office that caters to the needs of the students within the premises.

TRANSPORT

A fleet of buses that connect to all major routes of the region

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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