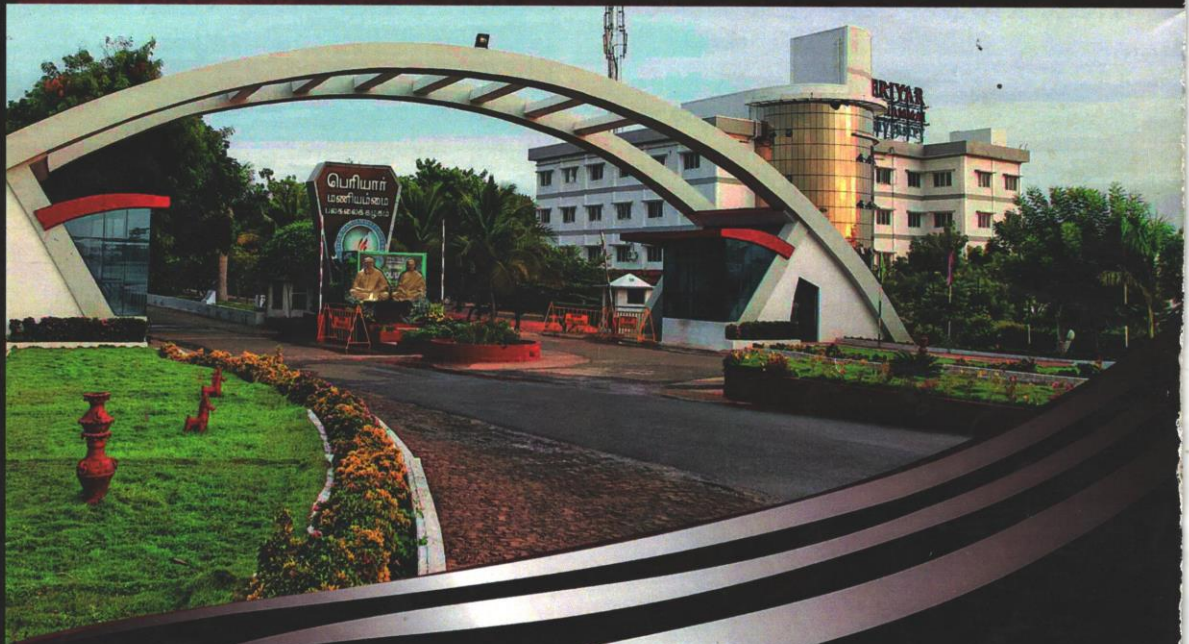




**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform

# Annual Report 2017-2018



**PERIYAR MANIAMMAI INSTITUTE OF  
SCIENCE & TECHNOLOGY**

(DEEMED TO BE UNIVERSITY)  
PERIYAR NAGAR, VALLAM, THANJAVUR - 613403.

**THINK - INNOVATE - TRANSFORM**

## **ANNUAL REPORT 2017-2018**

It gives me immense pleasure to present the 30<sup>th</sup> annual report of Periyar Maniammai Institute of Science & Technology among this august audience. The Institute has been making strides in all fronts with best wishes, support and co-operation of the management, academicians, staff and students. From its inception, this institute; continues to dedicate itself to the development of students and society at large.

This institution strives for excellence both in curricular, co-curricular and extra-curricular activities as well as research and development by maintaining rapport with reputed institutions both at National and International levels.

At this juncture, I record my sincere gratitude to our Esteemed Chancellor, Pro Chancellor, Members of Board of Management, Planning and Monitoring Board, Academic council, Research board and Finance Committee for their constant support and encouragement to elevate the status of our institute.

The institute scrupulously follows the rules and regulations suggested by UGC, AICTE, COA (Council of Architecture), NCTE (National Council for Teachers Education) etc. for all the academic programmes.

The total land area of this institute remains 219.08 acres and the total built up area (including hostel) is 92084.90 sq.m. (value of about Rs.154 Crores).

The total strength of students on roll as on 31.03.2018 is 3052. Also, we are empowered with 204 teaching faculty and with 242 supporting staff.

The institute is one of the senior member institutions under National Mission on Education through Information and Communication Technology (NMEICT), MHRD, Government of India.

All the departments are well equipped with ICT enabled class rooms Wi-Fi connectivity, LCD projectors and Interactive smart boards.

This institute practices e-based teaching learning. National Programme on Technology Enhanced Learning (NPTEL), Repositories and Virtual labs from IIT, IISC, Centre for Distance Engineering Education Programme (CDEEP) and online webinars from IIT Mumbai are also used.

There are three Women's hostel and one Men's hostel with 537 rooms accommodating 1700 students. Hostels are equipped with all basic amenities.

The Institute has a 16 bed hospital which serves round the clock and family welfare programmes are regularly conducted. 5818 students and staff cases have been treated.

As proposed last year, the following new courses were started during 2017-18:

- B.Sc – Mathematics,
- B.Sc – Chemistry
- B.A – English
- B.Voc – Hospital Systems

It is proposed to start the following three new courses from the academic year 2018 – 2019,

- M.Sc- Physics
- M.Sc- Chemistry
- M.A. - English

### **Endowment**

47 numbers of endowments worth of Rs. 36.82 lakhs have been instituted up to academic year 2016-17. In this academic year 2017-2018 three more endowment in the name “Marikkannu Nallan Endowment“, “Dr. APJ Abudul kalam Endowment” worth of Rs. 1.00 lakh respectively has been instituted by the Prof.N. Ramachandran, Former Vice Chancellor, PMIST, and “Jumna Rajaratnam Endowment” amounting Rs. 1.00 lakh is instituted by the Dr.S.Rajaratnam, Pro Chancellor, PMIST.

1047 students got benefited with the management scholarships worth Rs.1.513 crores sanctioned to the students during the academic year 2017 -2018.

### **Academic Achievements**

1. UGC Review committee visited PMIST on 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> January 2018 for reviewing the university status.
2. Expert committee of the Council of Architecture inspected the Department of Architecture for the grant of extension of B.Arch. and M.Arch. Programmes. For the same extension was granted for one year.
3. Two members team from Pharmacy Council of India; New Delhi visited Faculty of Pharmacy on 02.12.2017 to grant approval for the D.Pharm and B.Pharm Courses.
4. An MoU has been signed between VVR Health care centre, Thanjavur and PMIST on July 2017 to offer B.Voc Courses.
5. During 2017-2018 academic year, 975 Students were admitted into various programmes.

6. Twelve Faculty members were recognized as External examiner, Doctoral Committee members, served as Resource person, Chief Guest in Conference, Reviewer in Journals, Jury member and Qualified State Eligibility Test
7. Various Departments offered 24 value added courses during this academic year.
8. To enhance the professional skills among the staff members; Institution organized 13 training programmes and 199 teaching & non-teaching staff members participated in the programmes
9. About 26 faculty members attended Pedagogy for online and Blended Teaching-Learning Process Foundation in ICT for Education conducted by AICTE during this academic year

### **Important Events Conducted**

- World Book Day and Copyright Day-2017 was organized by Arjun Singh library, along with Department of English & Foreign Languages, PMIST on 22.04.17. Thiru. Vallam T.Tajpal, Poet and Retired Accounts Officer, Bharat Sanchar Nigam Limited, Thanjavur served as chief guest.
- Staff and students of Department of Education coordinated the PAZHAGU MUGAAM, a summer camp conducted for school students from 26.04.2017 to 30.04.2017.
- A six-day (26<sup>th</sup> to 31<sup>st</sup> July 2017) intensive training programme for tribal children on Basic Sciences and Mathematics was organized. Ms. M.P. Nirmala, Chairperson of the Tamil Nadu State Child Rights commission served as the chief guest. 103 tribal children from various parts of the State participated in the programme.
- Organised International Conference on Periyar Self-Respect Movement at Cologne University, Germany held on 27, 28 and 29<sup>th</sup> July 2017.
- Research Review Symposium was held on 15.08.2017 at Arjun Singh Library.
- 25<sup>th</sup> Convocation of PMIST was held on 28.8.2017. 877 graduands' received during the occasion.
- Faculty development programme on ICT in Education was conducted in the theme "Pedagogy for Online and Blended teaching learning process" held between September 2017 and November 2017 organized by IIT Bombay.
- 139<sup>th</sup> Birthday of Thanthai Periyar was celebrated on 18.09.2017. Prof.R.T.Sabapathi Mohan, Former Vice-Chancellor, Manomaniam Sundaranar University served as the chief guest.
- Training project worth Rs. 27.5 lakhs got sanctioned to conduct 16 round of training for 840 Self Help Group women. The Department of Social Work was recognized by Social Audit Society of Tamil Nadu (SASTA) to train community

cadre of social audit-roll out of Self Help Group village resource persons under Mahatma Gandhi National Rural Employment Guarantee Act from 30.10.2017 to 25.01.2018

- Celebrated Esteemed Chancellor's 85<sup>th</sup> birthday as Science Development Day and Scholarship day on 07.12.2017.
- Organized World Atheist International Conference 2018 –on “Athesim Hope of humanity” on 6<sup>th</sup> January 2018.
- Mr. Gopi Nainar, Director, Writer seved as chief guest & Ms. Dr. Kalki Subramaniam, Actress, Activist, Founder of Sahodari Foundation, was invited as guest of honour in the annual cultural festival PEACE-2018 held on 16<sup>th</sup> March, 2018.
- Sports day held on 24.3.2018 Mr.P.Suresh, Revenue Divisional Officer and Executive First Class Magistrate, Thanjavur inaugurated the sports meet and Mr.V.Rajendran, Regional Inspector of Physical Education, Thanjavur distributed the prizes during the valediction.
- Organized a Seminar on “Global Periyar and International Thinkers” on 29.3.2018 and 30.3.2018. Self respectful K.R.Venkatapathy, Former Union Minister of State for Law and Justice inaugurated the seminar.

#### **Activities of Various Faculties and Centres:**

- Faculty of Architecture and Planning, Engineering and Technology, Computing Sciences and Engineering and Humanities, Sciences & Management have come out with outstanding achievements in curricular and extracurricular activities. To their credit, in total, all the faculties have conducted 20 Seminars, 13 Workshops, 5 Symposiums, 20 Guest Lectures. Published 108 papers, presented 9 papers and participated in 71 seminars, conferences and workshops. Also attended 22 Staff training programmes.

#### **Centre for Students and Administrative Services (CSAS)**

- Student's Council election held on 08.09.2017 and the meetings with the elected members were conducted at regular intervals
- **Public Affairs Club, Music Society, Citizen Consumer Club, Media producers, Tamil Mandram & Debating Society club, Dance Club, Rationalist Club, Writers Club and Humanist Clubs** organized 15 programmes for the students

#### **Staff Achievements**

1. Dr.D.Kumar, Professor and Head, Nano Division, was one of the invited speaker for International Conference on Sensing and imaging (ICSI2017) organized by Chengdu University of information Technology, Chengdu, China held on 5- 7 June 2017.

2. Dr. A. Anand Jerard Sebastine, Asst. Professor in Social Work received a grant of Rs. 5,41,600 from the 'VigyanPrasar', Department of Science and Technology, New Delhi to train a total of 103 tribal children from six districts of TamilNadu.
3. Mr.R.M.Muthuraman, Assistant Prof. & Head received "Indian Aero Faculty Award" by institute of Aeronautics Astronautics and Aviation held on 24.01.2018.
4. Mr.Nitin Kumar, Assistant Professor, Bio Tech was awarded a prize for "Second Best Oral Presentation" in International Conference BIOSANGAM 18 held on March 2018.
5. Mr.G.Thamilvanan, Assistant Professor/Education and Ms.K.Rajeswari, Assistant Professor/Maths qualified their SET examinations during September 2017

### **Student Achievements**

- Students also achieved on their part like winning prizes and securing first places in various Technical Symposiums conducted by other institutions in and around Thanjavur and Tamil Nadu.


### **Centre for University Industry Interaction (CUII)**

- The institute backed up "CIDC partner in progress" trophy for our valuable contribution towards the human resource development activities of Indian Construction Industry, in 10<sup>th</sup> CIDC Viswakarma Awards 2018 ceremony and in the 22<sup>nd</sup> CIDC Annual day celebrations held on 7th March 2018 at Stein Auditorium, Indian Habitat Centre, New Delhi
- About 260 students got placed in various campus drives with a highest package of Rs. 7.5 Lakhs per annum

### **Centre for Rural Development (CRD)**

- CRD conducted various Awareness programmes, General Medical Camps, at Periyar PURA villages. Through CHILDLINE conducted various trainings and awareness programme.

### **Veeramani Mohana Centre for Quality Life Engineering Research (VMCQLER)**

-  Organised Seminar workshop Hands on Training along with Food Safety and Standards Authority of India.

### **Centre of Excellence for Training and Research in Automation Technology (CETAT)**

- A team of P M I S T faculties got a patent for the Pneumatically Operated Electronic Multipurpose Simulator (POEMS) project on 10.07.2017.

- On 25 Sept 2017 EoI was received by CETAT and Periyar TBI from the Air Headquarters, New Delhi for Bulk production of POEMS.
- Wing commander Jeyakumar handed over the appreciation letter received from Hon'ble Prime Minister of India for the successfully completion of Research & Development work in POEMS and PITS project to our beloved Chancellor, PMIST on 16.12.2017.

### **Periyar Technology Business Incubator – Entrepreneurial Activity**

- During the Academic year 2017 – 2018, Periyar TBI has made several strides in terms of projects. 6 incubatees registered with Periyar TBI year
- Periyar TBI conducted Entrepreneurship development programs, workshops and Orientation Programs in association with various concerns
- Prof. Dr. Allen Brittens, Department of Chemistry, Cape Briton University, Canada, and Dr. Joulius Gimnun, Professor of Chemical Engineering, UMP, Malaysia visited Periyar TBI on 31.01.2018 and Interacted with Incubatees and students.

### **Research and Consultancy Activities**

#### **Research and Development**

- Citation and index has reached 410 scopus indexed publications, 134 web of science indexed publications, 1176 Google Scholar indexed publications are added during this academic year
- 4088 Google scholar citations of the various research works are added this academic year
- Google scholar h-index of the university has increased to 29 and scopus h-index increased to 21.

#### **A. Progress of Research Scholars**

- At present 173 research scholars are pursuing Ph.D's
- 23scholars were awarded degrees

#### **D. Project Proposals Submitted**

- Thirty Project Proposals and one concept of proof for a worth of Rs. 48.71 Crores have been submitted to various funding agencies such as DST, ISRO
- Three projects have been sanctioned worth of Rs.17.28 lakhs from ISRO Bhuvan and Indian Council of Social Science Research and One student project have been sanctioned worth of Rs.0.10 lakhs

- At present four funded research projects worth of Rs. 70 lakhs are in progress
- Seven funded projects were completed worth of Rs. 146.69 lakhs and Six student projects were completed worth of Rs. 0.55 lakhs funded by Tamilnadu State Council for Science and Technology
- Five Faculty members successfully defended their thesis in the public viva voce at various other Universities

**As a part of Consultancy services Rs. 14.50 lakhs was generated through various departments**

### **Arjun Singh Library**

- In this academic year **110** books and 750 E Books added to our PMIST library, **203** National/international Journals and **169** Online Journals were added on roll

### **Extra Curricular Activities**

#### **Physical Education**

- PMIST students won 19 gold, 10 silver, 8 bronze medals in various District Level, Tournaments, State Level meets.

#### **National Cadet Corps (NCC)**

1. Flight cadet R. Deepika of second year BIO- TECH went to RDC Marina 2018.
2. Mr.V.Pandiarajan, Asst Professor in Mechanical Engineering has successfully completed his Pre Commissioning course with 'A' grading at Airforce Station, Tambaram.
3. 60 NCC cadets from various departments attended various levels of camps and also 30 NCC cadets attended 'B' certificate examination & 31 NCC cadets attended 'C' certificate examination.
4. Through Combined annual training camps 2500 NCC cadets and 40 Associate NCC officers from Army, Navy and Air force were benefitted by this camp.

#### **Conclusion:**

With the kind support and encouragement from the management, the committed faculty members and a dedicated group of students, the institute is reaching to its next level. We take pleasure in conveying our thanks to our management, Esteemed Chancellor, Hon'ble Pro chancellor, Registrar, Staff, Students, parents and all the well wishers of our institution for extending all kinds of support to maintain the standard of education and to enhance the prestige of the institute. We extend our sincere thanks to all the staff for their efforts in maintaing cleanliness and hygiene of the campus. We convey our earnest thanks to all those who contributing to the welfare of this institute. We are extremely thankful to those who generously contributed the endowments towards the growth and development of the institute. Once again, I thank one and all.