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PERIYAR  
MANIAMMAI  
UNIVERSITY

(Under Sec. 3 of UGC Act, 1956)  
NAAC ACCREDITED



# Annual Report

*Academic Year*

**2015 - 2016**

**THINK  
INNOVATE  
TRANSFORM**



## **SALIENT FEATURES OF PERIYAR MANIAMMAI UNIVERSITY**

- ◆ The total land area of our University is 219.08 acres, and the total built up area (including Hostel) is 92,084.90 sq.m with the value of about Rs.154 crores.
- ◆ The strength of students on roll as on 11/04/2016 is 3508. At present, the strength of faculty is 254 and the administrative and supporting staff are 255.
- ◆ We follow the rules and regulations and also the nomenclature suggested by University Grants Commission (UGC), All India Council for Technical Education (AICTE), COA (Council of Architecture), NCTE (National Council for Teachers Education), etc. for all the academic programmes, scrupulously.
- ◆ National Assessment and Accreditation Council (NAAC) Peer team visited our institution for cycle-2 accreditation from 02/11/15 to 05/11/15 and accredited with 'B' grade score of 2.66 in the four point scale.
- ◆ As directed by UGC, our Institution got registered with NIRF(National Institutional Ranking Framework) of Ministry of Human Resource Development (MHRD), an online ranking of educational Institutions in India. The data required by the NIRF were uploaded on 13/01/2016 as per discipline wise i.e., Architecture, Management, Engineering and University level (Arts & Science).
- ◆ Our Institution had submitted online application for renewal of recognition with SIRO (Scientific Industrial Research Organization) on 13/01/2016 for Special exemption from tax on purchasing laboratory equipments.
- ◆ The University is one of the Senior Member Institutions under National Mission on Education through Information and Communication Technology (NMEICT), MHRD, Government of India.
- ◆ From the academic year 2015-16 onwards, Outcome Based Education (OBE) is being practiced for UG and PG programmes.
- ◆ For the academic year 2015-2016, NCTE accorded approval for 2 year B.Ed programme and 4 year B.Sc B.Ed. programme. Twenty three students have enrolled under B.Sc B.Ed. programme.
- ◆ An integrated 5 Year M.Tech (Nano Technology) Programme started under School of Engineering and Technology and Seventeen students have enrolled.
- ◆ Re-certification of International Standard Organization ISO 9001:2008 was conducted by the auditing team from Det Norske Veritas Germanischer Lloyd (DNV-GL), Chennai. The Auditing team had re-certified the University Quality Management System (UQMS) till 6th September 2018.
- ◆ UQMS had organised ISO 9001 - 2008 Auditor Training for 18 senior faculty members on 17th & 18th March 2016. A written examination was conducted on the second day and evaluated by the ISO trainer. These 18 qualified auditors will assist

the University in conducting the internal auditing on regular basis.

- ◆ All the departments are equipped with ICT enabled class rooms, also with Wi-fi connectivity, LCD projectors and Interactive Smart Board.
- ◆ Our university practices e-based teaching learning process. National Programme on Technology Enable Learning (NPTEL) repositories and virtual labs from Indian Institute of Technology (IIT), Indian Institute of Science (IISc), Centre for Distance Engineering Education Programme (CDEEP) and online webinars from IIT Mumbai are available for use. NMEICT programmes with open courseware materials and video lectures are available on the Periyar Net, an Intranet of the University. Online database can be accessed through Information and Library Network (INFLIBNET). Sharing of resources is facilitated through Developing Library Network (DELNET).
- ◆ Provision for integrating online courses with curriculum for Bachelor's, Master's and Doctoral Programmes are also introduced.
- ◆ PMU has developed e-contents for all the subjects which are made available in Periyar Net for effective use of teaching learning process.
- ◆ Indigenous software developed in PMU called Brilliant Recourses for Academic Institutions (BRAIN) has released the latest version by name, BRAIN V2.15 on October 2015.
- ◆ PMU APP developed for iphone Operating System (iOS) & Android as a part of BRAIN and it dynamically supports current calendar of events, news, student attendance status, fees status and exam results.
- ◆ There are three women hostels with 380 rooms accommodating 576 students and a gent's hostel with 570 student rooms and 6 guest rooms. From May 2015 to March 2016, we received 328 tones of solid waste from Thanjavur Municipal Corporation and with this solid waste, Bio gas was generated at our biomethanization plant with the energy consumption equivalence of 30 LPG cylinders which is used in our hostels.

## **ENDOWMENT**

- ◆ 42 numbers of endowments worth of Rs. 29.32 lakhs are being created up to the academic year 2014-15. In this academic year 2015-16 four endowments worth of Rs.6.5 Lakhs are added. They are Mrs.Ponnammal Endowment, Mr.Gomathiya Pillai Endowment, Mrs.Govindammal Endowment and Panchanathikottai Memorial Mr.M.Krishnasamy Endowment

**PERIYAR MANIAMMAI UNIVERSITY  
ADMINISTRATION  
BALANCE SHEET AS AT 31ST MARCH 2015**

<b>LIABILITIES</b>	<b>SCH</b>	<b>AS ON 31.03.2015</b>	<b>AS ON 31.03.2014</b>
Capital Fund	<b>H</b>	236179499	249051287
Endowment Fund		3532727	2682727
Caution Deposit	<b>I</b>	19827000	23302698
Students Aid Fund	<b>J</b>	34690114	28755653
Other Liabilites	<b>K</b>	38983247	46827585
Secured Loans	<b>L</b>	6095704	22326196
Modrob Unutilized fund	<b>M</b>	2624553	2808043
Tamilnadu Foundation Campus Fund		500000	500000
<b>Total</b>		<b>342432844</b>	<b>376254189</b>
<b>ASSETS</b>	<b>SCH</b>	<b>AS ON 31.03.2015</b>	<b>AS ON 31.03.2014</b>
Fixed Assets	<b>N</b>	277934743	301971695
Deposits	<b>O</b>	2940557	2940557
Investments	<b>P</b>	28898731	17688531
Loans and Advances	<b>Q</b>	3345161	6002001
Current Assets	<b>R</b>	42703609	44006602
Branch Division	<b>S</b>	-13389956	3664403
<b>Total</b>		<b>342432844</b>	<b>376273789</b>

INCOME AND EXPENDITURE FOR THE YEAR ENDED 31ST MARCH, 2015					
	AS ON 31.03.2015	AS ON 31.03.2014	Income	AS ON 31.03.2015	AS ON 31.03.20 14
EXPENDITURE					
Educational & Academic Expenses	288951731	310918411	Sources of Income	271348752	2645246 27.4
Excess of Income over Expenditure	-17602979	-46393784			
Total	271348752	264524627	Total	271348752	2645246 27

#### SCHOLARSHIP - PRIVATE AND GOVERNMENT

- ◆ The amount of management scholarships sanctioned to the students for the academic year 2015-2016 is Rs.40.83 lakh and the number of beneficiaries is 188.
- ◆ Proceedings sent for SC/ST Government scholarship to 65 students amounting Rs.9.47 lakhs.
- ◆ Proceedings sent for Muslim Minority scholarship to BC/MBC students to 51 students.

#### ACADEMIC ACHIEVEMENTS

- ◆ Hon'ble Vice-Chancellor Col. Prof. Ramachandran received "**CIDC Partner in Progress 2016 Trophy**" for the valuable contribution towards the human resource development activities of Indian Construction Industry. He is honoured to serve on the CIDC Board for the term 2015-2017.
- ◆ Department of Aerospace Engineering is awarded the "**Best Institute in Aeronautical Engineering (south)**" by Vijayavani Educational Leadership Awards at Bengaluru
- ◆ Untill now, 15 companies have visited our campus for recruitment. Our students also participated in 28 off campus interviews. We are happy to say that 439 offers are issued to our students who will be placed through both on campus and off campus drives during this year.
- ◆ Government of Tamilnadu has identified our university as one of the nodal centers

out of 25 for establishing **Continuous Ambient Air Quality Monitoring Stations (CAAQMS)** costing Rs. 2 Crores, to monitor air quality in Thanjavur district jointly with Tamil Nadu Pollution Control Board, Thanjavur.

- ◆ Seven MoUs are executed by the University with other organization such as,
  1. Dr.Mahalingam College of Engineering and Technology, Pollachi
  2. Karunya Institute of Technology and Science ,Coimbatore
  3. R.K.Dewan & Co, Chennai
  4. Tamil Nadu Pollution Control Board, Thanjavur
  5. M/s. Sangam Hotels, Thanjavur
  6. University of Cambridge
  7. National Taiwan Ocean University, Taiwan.
- ◆ We have signed a Letter of Intent (LOI) in South Asia summit at New Delhi with University of Cambridge in collaboration with the Federation of Indian Chamber of Commerce and Industry (FICCI) which would ensure the development of English Language skills for mobility and employability.
- ◆ Five faculty members were appreciated with certificates for serving as members like Reviewer, Member of Smart City project and Appreciation award from NCC Group Commander.
- ◆ Around twenty Value Added Courses are offered during this academic year in various disciplines.
- ◆ At the instance of Thanjavur District Administration, our University is coordinating the construction of Modular Toilets for Pillayarpatthi village under "Swachh Bharath Abhiyan" and 120 number of toilet units are built at a cost of Rs.12,000/- each.
- ◆ Department of English and Foreign Languages (DOEFL) started offering foreign languages such as Russian with support from Indo Russia Chamber of Commerce and Industry, Chennai, Chinese Mandarin in association with M/s Edu Solutions, Singapore and German in collaboration with Cologne University, Germany.
- ◆ To enhance the professional skills among the staff members; University organized 21 training programmes. About 322 teaching and non-teaching staff members participated and benefitted out the programmes
- ◆ About 33 Faculty members attended Faculty Orientation Programs, Strategic

**IMPORTANT EVENTS CONDUCTED:**

- ◆ Four day workshop on "Outcome Based Education and Pedagogy in Engineering for Teachers" was organized for the faculty from 9/6/15 to 12/6/15.
- ◆ Centre for University Industry Interaction organized Skill Training Programme for PMU security and Horticulture on 17/6/15 and 18/6/15.
- ◆ Foundation Course for the academic year 2015-2016 to B.Sc and B.Tech I year students was conducted from 1/7/15 to 10/8/15 as per Outcome Based Education.
- ◆ Staff Development Programme on "Effective Teaching" was organized for faculty on 07/07/15.
- ◆ Orientation Programme for First Year Post Graduate students was conducted from 17/8/16 to 27/8/15.
- ◆ On 25/11/15, Executive Committee meeting was conducted for Clean Thanjavur Movement at PMU, Pillayarpatti, and Thanjavur. The Executive committee decided to participate and render service for 40 lakh saplings in Thanjavur towards Green Environment jointly with the Thanjavur District Collectorate.
- ◆ "Open House 2016" was organized during 10-12th February 2016, and this provided an opportunity to exhibit innovative ideas of emerging student scientists and technocrats on the theme E3 - Energy, Environment and Empowerment. Open house 2016 was inaugurated by Dr.N.Subbaiyan, District Collector, Thanjavur. Mr.V.Azhagarasan, CEO of Aruna Clinical Labs Puducherry was invited as special guest whose family instituted "Anbarasan Memorial Student Innovator Award" worth Rs.1 lakh every year. 590 registrations were made for various projects, models, posters and presentations from various Engineering colleges, Polytechnic Colleges and Schools. Projects demonstrating Solid Waste Management attracted guests and students. A Few models were appreciated by the District Collector and placed for further display in Mahamagam festival at Kumbakonam.
- ◆ Department of Biotechnology organized an International Conference on "Biodiversity and Biotechnology" with Department of Biotechnology of Bharathiddasan University, Tiruchirapalli from 25/02/16 to 27/02/16
- ◆ National Entrepreneurship Network (NEN) - E Week was celebrated at Periyar TBI during the last week of February 2016.
- ◆ Indian Election Commission, Junior Vikatan and PMU Tamil Mandram jointly organized an awareness programme on Assembly Election Process and Voting Machine Demo for young voters (PMU students) on 11/3/2016. Dr.N.Subbaiyan,

Thanjavur district collector, presided over the function and Mr. Thirumavelan, Junior Vikatan-Editor and Mr.Bharathi Krishnakumar , Film Director participated in this event.

- ◆ Periyar Annual Cultural Events 'PEACE 2016' was held at our campus and students of Electronics and Communication Engineering (ECE) Department won the Overall Rolling Trophy.
- ◆ Hon'ble Justice Mr. V. Gopala Gowda, Judge, Supreme Court of India, New Delhi was invited as the Chief Guest of 23rd Convocation on 26/03/2016. In this convocation, Dr.Meena Muthiah, an Eminent Educationalist, Philanthropist, Artist was honoured with Doctor of Letters (Honoris Causa) and 1221 graduates (Female : 424, Male: 797 ) were conferred degrees for various courses. Among them, 1200 are Bachelors and Master degree candidates, 7 M.Phil and 14 Ph.D scholars. 66 medals were given to meritorious students, which included 29 Gold medals, 23 Silver medals and 14 Bronze medals.
- ◆ Annual Sports Meet - 2016 was conducted on 01/04/2016.
- ◆ Periyar Maniammai University and Dinathanthi jointly organized "Vetri Nichayam" as a career guidance programme (Higher Studies and Employment opportunities) for the 10th, +1 and +2 Students held on 08/04/2016 at our campus. 4826 students from various schools and their parents participated.

## STUDENT ACHIEVEMENTS

- ◆ Ms.R.Subaranjana, Final year ECE student received “**ISTE Chapter Best Student Award**” for her overall performance in academic and ISTE Chapter Activities at 15th ISTE TN & P Section Annual Convention for Engineering Students.
- ◆ Innovation of Engineering and Technology (IET-2016) is a student project competition organized by Recruitment Analysis Council (RAC) on 24th February 2016. Twenty One projects of PMU got selected in first round. All 21 projects participated in second round of presentation held at Chennai on 19th March 2016. Four projects of PMU have won prizes from Architecture, Civil Engineering, Computer Science & Engineering and Mechanical Engineering respectively. Also, final year students of Mechanical Engineering, Mr.S. Maharajan , Mr.V.Karthick and Mr.V.Deepakeshwaran won best project award for the project titled " Design and Fabrication of Automatic Tower Bolt Machine" and Mr.P.Pandiyaraj , Assistant Professor (SS) received best guide award .This achievement led to award of "**Best Performing Institution in the State- 2016**" for PMU by IET-2016.
- ◆ IV Year students of Software Engineering department Ms.V.Sathiya Praba, Ms.S.Sathiyapriya, Ms.P.Nivedha, Ms.A.Monisha, Ms.D.Vinodha, Ms.J.P.Tamizharuvi won "**Young Scientist Award**" in the state level technical

project presentation organised by Tamilnavil Charitable Trust,Thanjavur.

- ◆ Air cadet Shubham Bhajpai of III year ECE and Air cadet M.P. Anamika of III year Biotechnology were selected for **Republic Day Contigent Camp** and also selected for **All India Best Cadet competition** to represent Tamil Nadu Directorate. Air cadet Shubham Bhajpai was selected to walk in Rajpath on the Republic Day 2016. He was also selected for **Youth Exchange Programme**. Air cadet M.P. Anamika was selected for **Prime Minister Rally, NIAP** competition. Both are awarded with cash of Rs.2000 from the Deputy Director General of NCC, and cash of Rs. 3500 from the Cadet Welfare society.
- ◆ Ms.G.Iswarya, II Civil and Mr.NVK.Govindarajan, II Civil participated in the Republic Day parade on 26/01/2016 at Chennai.
- ◆ Mr.P.Vivekkumar, IV Year student won II prize in ISTE Srinivasa Ramanujam National level Mathematical competition (Zonal level) held on July 2015.
- ◆ Mr. S. Santhosh Kumar, IV year student of Biotechnology department was selected for a scholarship of Rs. 54, 000/- for carrying out research project at BIOCON-Bengaluru.
- ◆ Ms. M.Azara Khanam , IV year student of Biotechnology won first prize in 36th International Conference of the Indian society of Nephrology Southern Chapter held at Trichy
- ◆ Ms.N.Anitharaj,II Year M.Tech student of Nanotechnology division in ECE department won 3rd prize with the cash award of Rs.25,000/-in PSG NANOCHALLENGE - 2015 competition at PSG Tech, Coimbatore.
- ◆ Ms.E.Shobanadevi, IV year student of Information Technology department got Ist Rank in Thanjavur city and 202 Rank in All India at Indian Engineering Olympiad (IEO) 2015-16.
- ◆ 2 students from architecture, 2 from ECE and 1 from Biotechnology department have cleared GATE 2016.

#### STAFF ACHIEVEMENT

- ◆ Dr.D.Kumar, Professor/ECE served as a Board of Examiner for the B.Voc. Hospital Instrumentation and Management degree examinations by the Annamalai University, Chidambaram.
- ◆ Dr. D. Kumar, Professor/ECE was honoured as the Advisory Committee Member for UGC sponsored National Conference on Recent Trends in Nano Materials and Thin Films Research by A.V.V.M.Sri Pushpam College, Poondi.
- ◆ Ms.G.Gandhimathi, Asst.Prof.(SS)/ECE received the "**Best Paper Award**" for the

paper "Quality Assessment and Assurance of Technical Education through Social Networks" in 18th ISTE TN&P section Annual Convention for Faculty Members of Engineering colleges organized by ISTE (TN&P section)

- ◆ **"Bronze Brilliance Award"** from IJARBEST-2015 was awarded to Mr. D. Sudhakar, Asst.Prof. Dr. D. Jeyasimman, Asso.Prof, Mr. J. Thiyagarajan, Asst.Prof. of Mechanical Engineering department for their Research Article "An investigation of dry sliding wear behaviour of hybrid Aluminium and Titanium Oxide coating on austenitic stainless steel"
- ◆ Ms.P.Aruna, Head / Software Engg. & Ms.M.Sharmila Begum, Asst.Prof./ Software Engineering Department received **"Young scientist award"** for the State Level Project Presentation organized by Tamilnavil CharitableTrust, Thanjavur.
- ◆ Ar.K.Manonmani, Asso.Prof of Architecture Department received **"The Best Architect Award"** on 08/03/2015 by Lions Club Thanjavur.

## **ROLE OF VARIOUS SCHOOLS AND CENTRES**

### **SCHOOL OF ARCHITECTURE AND PLANNING**

Department of Architecture organized 2 Seminars, 4 Workshops and 7 Guest lectures. The staff members have published 3 papers in Journals, 2 papers in Conferences. They have participated in 5 Seminars, delivered 3 Guest lectures, attended 12 Workshops and 3 STTP. The students of Architecture presented 8 papers, published 1 paper, attended 11 Seminars and 7 Workshops.

### **SCHOOL OF ENGINEERING AND TECHNOLOGY**

The school has organized 5 Symposia, 3 FDP, 32 Seminars and 16 Workshops. The staff members have published 47 papers in Journals, 26 papers in Conferences. They have participated in 25 Seminars, delivered 13 Guest lectures, attended 38 Workshops and 24 STTP. The students of this school presented 35 papers, published 14 papers, attended 71 Seminars and 38 Workshops.

### **SCHOOL OF COMPUTING SCIENCES AND ENGINEERING**

The school has organized 18 Seminars, 2 Symposia and 9 Workshops. The staff members have published 22 papers in Journals, 12 papers in Conferences. They have participated in 16 Seminars, delivered 27 Guest lectures, attended 44 Workshops and 20 STTP. The students of this school presented 22 papers, published 8 papers, attended 38 Seminars and 34 Workshops.

### **SCHOOL OF HUMANITIES, SCIENCES AND MANAGEMENT**

The school has organized 9 Seminars, 7 Workshops and 3 Symposia. The staff members have published 46 papers in Journals, 8 papers in Conferences. They have participated in 19 Seminars, delivered 4 Guest lectures, attended 34 Workshops and 13 STTP. The

students of this school presented 1 paper, attended 11 Seminars and 2 Workshops

#### **CENTRE FOR STUDENTS AND ADMINISTRATIVE SERVICES (CSAS)**

- ◆ Thirteen Programmes were organized.
- ◆ Organized Periyar Annual Cultural Events (PEACE) 2016 jointly with the department of Aerospace Engineering.

#### **CENTRE FOR UNIVERSITY INDUSTRY INTERACTION (CUII)**

- ◆ Organized a "Soft Skill and Employable Skill" training programme.
- ◆ Organized Five Guest lectures and One workshop

#### **CENTRE FOR CLIMATE CHANGE (CCC)**

- ◆ The Centre is involved in Solid waste management activities by receiving the solid waste from Thanjavur Municipal Corporation, Segregating and disposing the biodegradable waste for energy production through biomethanation process.
- ◆ Our University with Clean Thanjavur Movement at Panchayat office, Pillayarpatti will render service for planting 40 lakh saplings in Thanjavur in 2016 towards Green Environment.

#### **CENTRE FOR RURAL DEVELOPMENT (CRD )**

- ◆ This University is coordinated with District Child Protection Unit, SSA and Police department in reforming drug addicted children in Thanjavur and child labour with Labour department.
- ◆ The research scholar Mr.D.Iyappan served for Disaster Emergency Intervention in Nepal earthquake supporting the psychological care of women and children.
- ◆ Organized Breast Cancer Screening Camp for specific tests in Mamo Bus.
- ◆ Mobilized Rs.9.35 lakhs worth of materials and distributed among 5 flood affected villages in Cuddalore district.
- ◆ Organized Training of Trainers (ToT) programme for Child Development Project Officers, Mobile team instructors and supervisors of Integrated Child Development Services (ICDS) of Thanjavur and Nagapattinam Districts.

#### **CENTRE OF EXCELLENCE IN PERIYAR THOUGHT (CEPT)**

- ◆ Lectures are given on the life and works of Periyar to the first year students of all branches in the university. An examination is also conducted at the end of the academic year to the staff on Periyar Thought and certificates of merit are issued to them.

- ◆ Once in a year, an objective type of examination is conducted by the centre in collaboration with Rationalist Association for the school students. Certificates are issued to the participants and cash awards to the toppers in the examination.

#### **Dr. KALAIIGNAR M.KARUNANITHI CENTRE FOR POLITICAL SCIENCE (KKCPS)**

- ◆ S.B. Thileeban, IV Year MA Political Science student won first prize in the State Level Online Quiz competition conducted by Dr. Ambedkar foundation, Ministry of Social Justice and Empowerment, Government of India
- ◆ Admission is going on for UPSC Civil Services Examination-Preliminary 2016 and 60 have registered so far.
- ◆ Conducted free coaching TNPSC Group I & Group II classes

#### **VEERAMANI MOHANA CENTRE FOR QUALITY LIFE ENGINEERING RESEARCH (VMCQLER)**

- ◆ Organized a "Health Care -Testing & Screening camp" to women staff members aged above 35 years of PMU
- ◆ Conducted medical checkup and cancer detection in the surrounding Periyar PURA villages
- ◆ Training programme conducted on collection and production plant based drugs to traditional Siddha and Ayurveda practitioners collectively
- ◆ Formulated a cheaper pain killer for old people to get relief from Knee and body pain
- ◆ Conducted a free medical health care camp for checking blood pressure, ECG to University staff and students.
- ◆ Nilavembu juice, prepared from the powder by Dr.Vijaybaskar, Assistant Siddha Medical Officer, Primary Health Centre, Vallam, Thanjavur, was given to all the students and staff of our university as a part of health awareness.

#### **CENTRE OF EXCELLENCE FOR TRAINING AND RESEARCH IN AUTOMATION TECHNOLOGY (CETAT)**

- ◆ The team of experts of various departments including ECE, Electrical, Mechanical, Computer and IT in collaboration with the Indian Air Force has successfully undertaken special projects fully funded by the Indian Air Force such as Prototype of Portable Iгла Missile Stand (PIMS), Prototype of Pneumatic Launching Mechanism(PLM), Prototype of Digitized Circuitry & Power Supply Unit of IGLA Field Simulator and Electronic Interactive Display Board (EIDB).Recently, the Indian Air Force has accepted the proposal of CETAT team to develop and fabricate

two innovative simulators Pneumatically Operated Electronic Multipurpose Simulator (POEMS) and Portable Indoor Training System (PITS). Wing Commander Mr.M.Jeyakumar, Commanding Officer of 2309 Flight Air Force Station ,Thanjavur appreciated our continued support in designing and fabrication of prototype of a simulator module for training the Air Force combat crew.

- ◆ Bosch Rexroth India Ltd., Bengaluru has supplied hydraulic components worth Rs.4,23,728/- excluding duty and cess fees, free of cost to help provide training and demonstration to the students from all departments.

#### **CENTRE OF EXCELLENCE FOR ENTERPRISE RESOURCE PLANNING (CEERP)**

- ◆ The centre offers Diploma and P.G Diploma in ERP with SAP R/3 certification courses in collaboration with SAP India Pvt. Ltd
- ◆ 98 students completed different modules of SAP course (ABAP-68,MM-20,SD -05 & FI-04). 21 students have been SAP - Global certified .
- ◆ 11 students are placed in Cognizant Technology Solutions (CTS), RAMCO, Capgemini India Pvt Ltd, National Port Services Co. Ltd, Saudi Arabia. Heritage Food Limited Company, Bangalore, Tricon Infotech Pvt. Ltd, Bengaluru, S2Sinfotech Pvt. Ltd, Coimbatore
- ◆ Organized 4 Seminars, 4 Faculty Training Programmes and 1 Orientation Programme for students.

#### **CENTRE OF EXCELLENCE FOR NEXT GENERATION NETWORKS**

- ◆ 6 faculty have got Telecom Sector Skill Council (TSSC) trainer certification for Telecom Engineer Synchronous Digital Hierarchy (SDH) , Dense Wavelength Division Multiplexing (DWDM.)
- ◆ 75 students got in-plant training and 20 students got trained as Telecom Engineer at the centre.
- ◆ Organized Orientation Programme, Awareness program and Workshops on optical networking - SDH and DWDM.

#### **PERIYAR R & D CENTRE FOR SOLAR AND BIO ENERGIES**

- ◆ Multipurpose Bio Reactor Second Model is developed. The model is being used for conducting field studies.

#### **PERIYAR TECHNOLOGY BUSINESS INCUBATOR - ENTREPRENEURIAL ACTIVITY**

- ◆ Periyar TBI received Rural Innovation fund from NABARD to develop a multipurpose portable reactor for turning the agriculture wastes into value added products like biochar. The project was successfully completed with the support of

Department of Mechanical Engineering and Periyar Centre for Solar and Bioenergies.

- ◆ McLen Business Solutions, Coimbatore, a start up with our incubator on virtual mode was selected as one of the top 10 entities out of 19,000 registered for the Power of Ideas Annual Competition-2015.

#### **EXTENSION AND RESEARCH ACTIVITIES**

- ◆ The University has already committed to various green practices towards zero carbon by massive tree planting, resorting to Alternative Building Material (ABM), energy efficient Gadgets , Rain water harvesting , Solid and Liquid waste management, paper reprocessing , renewable energy , biomethanization plant, rearing 10 varieties of bamboo cultivation under National Bamboo Mission Programme.
- ◆ The University produces vermicompost in the campus and also renders help to the rural population by training them in vermicompost technology, Alternative Agriculture, Rain Water Harvesting etc. The University also takes care of welfare of the delta farmers by starting Cauvery Delta Agro Producer Company Limited (CDAPCL) for educating farmers for maximizing the output with optimal use of resources.
- ◆ Our Institution has adopted 67 villages including Vallam and a nationally replicable model is being practiced with highlight activities of Periyar FM 90.4 MHz Community Radio and active self help groups for empowerment of rural people.
- t R&D projects worth Rs.105 lakhs are ongoing in the campus funded by various funding agencies. Mass cultivation of Algae, Multipurpose Reactor for conversion of agro waste into value added products, A pilot study of correlation of pulmonary structural and functional alterations in a population exposed to indoor cooking with solid bio-fuels, Interactive display system for IGLA missile training program, Post Graduate Teaching Programme M.Tech in Nano Science and Technology under Nano Mission, Government of India, Cost Effective Modular Toilet Construction under National Swachh Bharat Mission in Thanjavur Distirct are few to be noted.
- ◆ In addition, 11 project proposals are submitted by various Departments, costing about Rs.5.9 crores.
- ◆ The total amount received as financial assistance for three major projects from external funding agencies during the year 2015-2016 is Rs.8.72 lakhs.
- ◆ 136 papers are published in the International Journals by the faculties during this academic year.

- ◆ 5 faculties received the One Time Annual Cash Award (OTACA) of total worth Rs.72,500.00
  1. Dr.D.Jeyasimman, AP / Mechanical
  2. Dr.S.Kumaran, Asso.Prof. / Biotechnology
  3. Dr.R.Kumaresan,AP/ Biotechnology
  4. Dr.P.Sathishkumar,AP/Chemistry and
  5. Dr.S.Gomathi,AP/Chemistry
- ◆ 3 Faculties have visited foreign countries
  1. Dr.R.Kumaresan ,AP/Biotech visited Cape Town, South Africa for poster presentation in World Congress of Nephrology.
  2. Dr. K.Vijayakumar, Professor & Head, Department of English visited Sharjah, UAE to participate in a seminar on 'New Stylistic devices in American Business English'.
  3. Dr.P.Arangasamy, Professor & Director i/c Centre for Periyar Thought went to University of Cologne, Germany as Visiting Professor.
- ◆ 8 National /International Senior Academicians / Eminent Scientists have visited PMU.
  1. Dr.S.Geetha, Associate Professor (Retd), Department of Chemistry, Stella Maris College (Autonomous) Chennai.
  2. Mr.M.Thennarasan, IAS, Dy.Commissioner & Director (Projects), Ahmedabad Municipal Corporation.
  3. Prof. Jiang Shion Hwang, Institute of Marine Biology, National Taiwan University, Taiwan.
  4. Prof. M.C. Madhavan, Professor of Economics, Sandiago State University, USA.
  5. Mr. R. Veeramani, Chairperson, Gem Group, Chennai & President, Indo Russian Chamber of Commerce and Industries.
  6. Prof. Peter Johns, Senior Lecturer, James Cook University, Australia.
  7. Dr. A.M.Rajendran, Chair & Professor, Department of Mechanical Engineering, University of Mississippi, USA
  8. Prof.Dr.Martin Mkandawire, Verschuren Centre for Sustainability in Energy & the Environment, Industrial Research Chair, Mine Water Management, Cape Breton University, Sydney, Canada
  9. 14 research scholars were awarded Ph.D from PMU during this academic year 2015-2016.

1. Mr.A.Satheesh/Computer Science and Engineering
  2. Mr.A.E.Narayanan/ Computer Science and Engineering
  3. Ms. N.Vanjulavalli /Computer Applications
  4. Ms.Hannah Gabriel /English
  5. Ms.P.Vijayalakshmi/Mathematics
  6. Ms.D.Shoba/ Physics
  7. Ms.A.Suvitha/ Physics
  8. Ms. S.Vigneswari / Chemistry
  9. Mr. J.Swaminathan /Management Studies
  10. Ms.M.Hemalatha / Physical Education
  11. Mr. D.Ramesh / Physical Education
  12. Mr.M.Dominic Savio/ Social Work
  13. Ms.S.Amalopava Mary / Social Work
  14. Ms.C.Valarmathi/Library Science
- ◆ 3 research scholars completed Ph.D from other universities.
1. Ms.R.Neelambari / Mathematics from Bharathidasan University
  2. Ms.AR.Umayal Sundari / Physics from Bharathidasan University
  3. Mr.K.Jayakumar / EEE from Anna University

◆ In addition, 2 research scholars submitted Thesis and waiting for viva examination.

### **ARJUN SINGH LIBRARY**

- ◆ In this academic year 8,047 books are added to our library, 175 National/International Journals and 162 Online Journals and two databases (J-Gate Engineering& Technology 6500+ journals and MathSciNet database 500+ journals, Pro Quest 3500+) were subscribed.
- ◆ Students of A.V.V.M. Sri Pushpam College, Poondi has undergone Internship training in this University Library from 02/03/2016 to 11/03/2016
- ◆ Signed MOU with Shodhganga- (Institutional Repository for Indian Ph.D Thesis & Dissertation), Ahemedabad.
- ◆ Our library has Institutional Membership in British Council Library, and DELNET Chennai.
- ◆ Library Literary forum meetings were conducted.

- ◆ Book Fair and Celebration of World Literacy day was celebrated.

## **CONSULTANCY SERVICES**

- ◆ Periyar Engineering Consultancy Services (PECS) are
  1. PECS - CNC(Mechanical Engineering Department)
  2. PECS - On line Exams (Computer Science & Engineering Department)
  3. PECS - Microbiology (Biotechnology Department)
  4. PECS - Scanning Electron Microscope (Nanotechnology Division, ECE department )
  5. PECS - Renewable Energy (Mechanical Engineering Department)
  6. PECS - Soil Testing (Civil Engineering Department)
- ◆ Expenditure for PECS is Rs.30.38 lakhs and the income generated from PECS is Rs.51.2 lakhs.
- ◆ Rs.12.2 lakhs are spent for research activities.
- ◆ Two of the National Bank for Agriculture and Rural Development Rural Innovation Fund (NABARD RIF) funded projects are under process of filing for patents

## **EXTRA CURRICULAR ACTIVITIES**

### **PHYSICAL EDUCATION**

- ◆ Our students participated in 83 National level, 168 State level, 65 Inter University and 33 District level tournaments and competitions and won 130 prizes.
- ◆ S.Swetha of I ECE is selected for Tamilnadu Hockey team and she took part in the 5th Hockey India Junior Women National Championship 2015 held at Madhya Pradesh.
- ◆ First year Mechanical student P.Mugesh represented Tamilnadu Foot ball team and participated in 2nd Federation Cup - 2015 - Rural Games Federation of India (RGFI) and also won gold medal.
- ◆ E.Elakkiya Priya of III CSE and B.Abirami of I year Civil won the Gold Medal -1 in State level Open Roller Skating held at Chennai and also participated in 52nd National level Roller skating championship - 2015 held at Visakhapatnam.

### **NATIONAL SERVICE SCHEME (NSS)**

- ◆ Conducted gender sensitization programme, training on field data collection through survey, passport & PAN card camp, Emergency medical camps at flood hit

areas in Cuddalore district, First aid training and general medical camp in PERYAR PURA villages.

- ◆ NSS volunteers went to the adopted villages and created awareness on clean Thanjavur Movement Programme.

#### **NATIONAL CADET CORPS (NCC)**

- ◆ 26 NCC cadets (02 Army Girls , 16 Air Cadets and 08 Army Boys) are qualified in 'B' certificate examination and 27 NCC cadets ( 06 Army Girls , 06 Air Girl Cadets and 15 Army Boys ) are qualified in 'C' certificate examination.
- ◆ 4 Annual training camps are organized during this academic year.

#### **YOUTH RED CROSS (YRC)**

515 units of blood were donated by our YRC volunteers to Thanjavur Medical College Hospital.

- ◆ YRC volunteers participated in "Rally of Youth Red Cross" on World Youth Red Cross Day from Thanjavur Junction to Thanjavur Palace .
- ◆ YRC volunteers have conducted Solid waste awareness programme at Vallam and Thanjavur.
- ◆ Students and Staff of Periyar Maniammai University donated Rs.40,000/- to help those who are starving for food and shelter during flood at Chennai and Cuddalore. Besides this contribution, Biscuits, Water Bottles (worth Rs.15,000/-) and Medicines were donated through Indian Red Cross Society, Thanjavur.

#### **RED RIBBON CLUB (RRC)**

- ◆ Organized blood donation camp and awareness programme and competitions on Aids Awareness and Blood Donation Awareness".
- ◆ T.R.Dharani Devi, I Year, B.Arch Won I Prize with cash amount Rs. 1000/- in the District Level competition "Art work" on the theme of "HIV/AIDS & Youth Related Message" organized by Tamilnadu State Aids Control Society.
- ◆ Our students and faculty participated in the Human chain on 12/08/2015 conducted by Tamilnadu State Aids Control Society (TANSACS) in coordination with District Aids Prevention and Control Unit, Thanjavur.
- ◆ In our Periyar Maniammai Hospital, so far, 7314 cases were treated. 15 Medical camps were organised in which 4104 people got benefited. 425 donors donated blood in 6 blood donation camps conducted at our University premises.