Thanthai Periyar Government Institute of Technology
Vellore
Affiliated to Anna University, Chennai.

Contact Us:
Website: www.tpgit.edu.
Phone No: 0416-2267762

Editorial Committee

Dr. M. Arularasu
Principal

Dr. J. Sreerambabu
Vice-Principal

Dr. M. Thamilselvan
HOD / Physics

2014 - 2015
VISION

TO PROVIDE HIGH QUALITY LEARNING ENVIRONMENT THROUGH INNOVATIVE TEACHING AND PROMOTE RESEARCH TO PRODUCE GLOBALLY COMPETITIVE ENGINEERS OF EXCELLENT QUALITY

MISSION

★ OFFER EDUCATION PROGRAMS THAT BLEND INTENSIVE TECHNICAL TRAINING WITH APPROPRIATE GUIDANCE TO CRAFT STUDENTS ACQUIRE ANALYTICAL SKILLS AND PROBLEM SOLVING ABILITY WITH HIGH DEGREE OF PROFESSIONALISM

★ PROVIDE HEALTHY ENVIRONMENT FOR LEARNING AND INNOVATIVE THINKING

★ OFFER LATEST FACILITIES AND MOTIVATE RESEARCH ACTIVITIES
FROM PRINCIPAL'S DESK

Prof. Dr. M. ARULARASU, M.E., Ph.D.

In this changing environment there is an increasing demand of Engineers & Technologists who can face new challenges. We continue to uphold it and envisage newer heights and excellence in the field of technical education. TPGIT is known for its philosophy, process, academic resources and infrastructural facilities gearing up for achieving the academic brilliance. The unique blend of the state of art infrastructure of the college and its strong team of experienced and dedicated faculty ardently nurture the talent in young minds. TPGIT has a rich alumni base that has significantly contributed and brought name and fame for themselves as well as to their Almamater. At this juncture, I appreciate the Editorial Board in bringing out this newsletter.

From Editor's Desk

It gives us a great opportunity to bring out the second issue of TPGIT NEWS LETTER 2015, the yardstick of progress. The past years were full of various activities by the students and faculty in academic, co-curricular, extra-curricular as well as research & developments. Most significant advancements include the modernization of e-yantra lab, Concrete lab, Microwave lab, Physics lab, MCA internet lab, Yoga and Health care Centre. New techniques, designs, more computing power and increase in internet leased line connections are driving significant improvements in the revamped labs. We are very happy that many of our teachers enrolled for Ph.D. program and their research skill will reflect in their teaching. The Editorial board wishes all the endeavors a grand success!
23rd and 24th GRADUATION DAY

Degree conferred on 300 Graduands
02.08.2014

Chief guest: Dr. K. Sivan
Director, LPSE, ISRO
Thiruvananthapuram.

Degree conferred on 310 Graduands
12.04.2015

Chief guest: Dr. P. Sivakumar
Outstanding Scientist & Director
CVRDE, DRDO, Ministry of Defence.

COLLEGE DAY

'RADASC14'
26.03.2014

Chief Guest: C. Gopinath (Vijay TV)
CEO, Taalkshop Academy, Chennai.

'RADASC15'
25.03.2015

Chief Guest: Joe Mallury,
Cine Actor.

MSME TiECON Chennai 2015
31.10.2015

Entrepreneurship Master Class

TPGIT Staff with Participants
ANNUAL SPORTS DAY

02.08.2014

Chief Guest : Shri. S. Sharath
Cricketer, Ranji Trophy, Tamilnadu.

24.03.2015

Chief Guest : Shri. A. Nagarajan
District Sports Officer, Vellore

Anna University Zonal level Hockey tournament
09.10.2014

SPORTS ACHIEVEMENTS

<table>
<thead>
<tr>
<th>S.No</th>
<th>Branch / Year</th>
<th>Name of the Student</th>
<th>Name of the Event</th>
<th>Prize</th>
<th>Name of the Trophy</th>
<th>Place conducted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Third year Civil</td>
<td>V.Gayathri M.Manimegalai</td>
<td>PEGASUS</td>
<td>Runner</td>
<td>Vellore Zone</td>
<td>CMC Vellore</td>
</tr>
<tr>
<td>2.</td>
<td>Third year Civil</td>
<td>M.Santhosh</td>
<td>Volleyball</td>
<td>Runner</td>
<td>AU Zonal match</td>
<td>SKP Engg college</td>
</tr>
<tr>
<td>7</td>
<td>Second Year Mech</td>
<td>N.ImthiyasFaizal</td>
<td>Fencing (M)</td>
<td>Bronze</td>
<td>AU Zonal match</td>
<td>Parisutham Engg. College, Thanjavur.</td>
</tr>
<tr>
<td></td>
<td>Second Year Mech</td>
<td></td>
<td>Fencing (M)</td>
<td>Anna University Fencing Team (National Level)</td>
<td>Punjab University, Patiala.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Second Year ECE</td>
<td>S.K.Prathibha</td>
<td>Shotput</td>
<td>Silver</td>
<td>AU VI Zone</td>
<td>APCE, Kalavai.</td>
</tr>
<tr>
<td>9</td>
<td>Second Year ECE</td>
<td>Narolajamir, SangpunlaS.K.Prathiba</td>
<td>Table tennis</td>
<td>Bronze</td>
<td>AU VI Zone</td>
<td>KPCE, Kanchipuram.</td>
</tr>
<tr>
<td>10</td>
<td>Final Year ECE</td>
<td>Bulang,Manikandan Khriele,Rovimezomor</td>
<td>Table tennis</td>
<td>Bronze</td>
<td>AU VI Zone</td>
<td>KPCE, Kanchipuram.</td>
</tr>
</tbody>
</table>
POWER GENERATION

3 KW Solar panel
03.06.2015

Physics Department
Power utilised for the entire
Physics Laboratory and Department

10 KW Solar Power plant
17.12.15

Ladies Hostel
Connected with GRID to reduce the energy
consumption in the campus

PONGAL CELEBRATION

09.01.2014

Chief Guest: Kavinzhar Lakshmipathy,
Pattimantram

07.01.2015

Chief Guest: Kavingar Irusan,
Vellore

19.02.2014

Tamil Mantram District level elocution competition Inauguration
Chief Guest: Dr. M. Arularasu, Principal

07.01.2015

“URIADI” on Pongal day
Inauguration
16.02.15

Chief Guest: Prof. Pratapsinghkakaso Desai,
ISTE National President, New Delhi

Affiliation Committee Visit from Anna University
16.09.2014

Committee Visited for granting Permanent Affiliation to existing courses

Health Awareness Programme
22.09.2015

Chief Guest: Dr. Nalli R. Yuvaraj, MS DNB MNAMS
Orthopaedic Surgeon
Professor, Madras Medical College.

Unveiling of MANGALYAN artwork
17.11.14

Chief Guest: Dr.A.Sivanantha Raja,
ACCET, Karaikudi.

ANTI-RAGGING

Workshop on Anti-Ragging
01.09.15

Chief Guest: Lr.K.Balachandar,
Advocate and Notary Public Former Public Prosecutor, Vellore
Lr. S.R.Shanmugam,
Additional Public Prosecutor & Govt. Pleader, Vellore.

Workshop on Menace of Ragging and Alcoholism
19.11.15

Chief Guest: Dr. K.A.R. Praphaukar,
HOD of Psychiatry,
Guest of Honour: Dr. S.Lakshmanan,
Asst Prof. of Psychiatry,
Govt. Vellore Medical College, Vellore.
Dr. J. Sreerambabu, M.E. Ph.D.
Assumed the charge of Vice-Principal on 17.04.2015

State level Student Projects Seminar-Cum-Exhibition
Organised by Tamil Nadu State Council for Science and Technology, Chennai and TPGIT, Vellore.
26.06.15 & 27.06.15

Chief Guest: Dr. R. Jayabal,
Senior Scientific Officer, TNSCST

Prize distribution ceremony
27.06.15

Chief Guest: Dr. R. Jayabal,
Senior Scientific Officer, TNSCST.
Guest of Honour: Dr. A. Ramanan,
Scientific Officer, TNSCST.

Red Ribbon Club

Chief Guest: Dr. M. Arularasu, Principal.

YRC Refresher Course
21.09.15

Chief Guest: Dr. C. Indernath,
YRC District President, Vellore
Eye Donation Awareness Programme - 27.10.2014

NSS Special Camp at Kattuputhur Village - 09.03.2015

Cleaning Plastic wastes by student volunteers - 11.03.2015

Blood Donation Camp - 12.03.2015

Sapling Plantation - 19.09.2015

Honouring NSS Officer - 14.10.2015

By Dr. M. Thamil Selvan, HOD/Physics,
Prof. J. Rex Martin Sahayaraj, HOD/Mathematics Dr. S. Prakash, HOD/Chemistry,
Mr. S. Subramani, AP/English NSS Officers. Dr. N. Kalaivasan & Mrs. M. Kanthashoba

Dr. N. Kalaivasan, NSS Programme Officer received
University Level best NSS Programme Officer award for the
Academic year 2014-15 from Vice-Chancellor, Anna University.

BharathRatna Dr. A. P. J. Abdul Kalam Birth Day
“Youth Awakening Day” on 15.10.2015
Chief Guest: Dr. Nanthagopal, District Collector.

Special lecture on Youth Awakening on 15.10.2015
Chief Guest: Dr. S. Syed Shafi, Ph.D, HOD/Chemistry,
Thiruvalluvar University, Vellore.
Our students were placed in the following companies during the academic year 2014-2015:

- WIPRO Pvt. Ltd.
- CTS Pvt. Ltd.
- Accenture Pvt. Ltd.
- VVDN Technologies Pvt. Ltd.
- ZOHO Corporation Pvt. Ltd.
- CSC Pvt. Ltd.
- Infosys Ltd.
- Mobivel Ltd.

For the year 2015-16, the following students were placed in the following companies:

<table>
<thead>
<tr>
<th>Name of the Student</th>
<th>Placed in the Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. Shobika</td>
<td>Internship in ZOHO corporation</td>
</tr>
<tr>
<td>M. Anandhi</td>
<td>Internship in ZOHO corporation</td>
</tr>
<tr>
<td>M. A. Priyanka</td>
<td>Internship in ZOHO corporation</td>
</tr>
<tr>
<td>K. Vimal Kumar</td>
<td>Internship in ZOHO corporation</td>
</tr>
<tr>
<td>A. Shanmuga Prabhu</td>
<td>VVDN Technologies</td>
</tr>
<tr>
<td>M. A. Priyanka</td>
<td>VVDN Technologies</td>
</tr>
<tr>
<td>L. Abinaya</td>
<td>VVDN Technologies</td>
</tr>
<tr>
<td>M. Nagaraj</td>
<td>ZOHO Corporation</td>
</tr>
<tr>
<td>A. Shanmuga Prabhu</td>
<td>ZOHO Corporation</td>
</tr>
<tr>
<td>A. Akila Devi</td>
<td>Wipro Computers Ltd</td>
</tr>
</tbody>
</table>

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**TECHNOCRAT 2014**

05.03.2014 & 06.03.2014

Chief Guest:
**Mrs. D. Anbu Selvarani**, B.E., M.B.A.,
Joint General Manager,
Tecton Engineering and Construction, Chennai

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**TECHNOCRAT 2015**

19.03.2015

Chief Guest: **Dr. K. Muthumani**, Director, SERC, CSIR, Chennai.

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**INDUSTRIAL VISIT**


Final Civil Engineering students visited
Mettur Dam - Water treatment Plant at Mettur.

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**SURVEY CAMP 2015**

Conducted at A. Kattupadi Hills

Coordinating Staff: Thiru. **R. Prakash**, AP/Civil
### WORKSHOP/CONFERENCE/TRAINING PROGRAMMES ATTENDED

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Title of the workshop</th>
<th>Period</th>
<th>Venue</th>
<th>Sponsored by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiru. K.Candassamy</td>
<td>Two-week Workshop on “Fluid Mechanics”</td>
<td>20/05/2014 to 30/05/2014</td>
<td></td>
<td>MHRD, IIT, Bombay.</td>
</tr>
<tr>
<td>ThiruR.Praakash</td>
<td>Two-week Workshop on “Environmental Studies”</td>
<td>02/06/2015 to 12/6/2015</td>
<td>TPGIT</td>
<td></td>
</tr>
<tr>
<td>Tmt.K.Santhish</td>
<td>Two-week Workshop on “Control Systems”</td>
<td>02/12/2014 to 12/12/2014</td>
<td></td>
<td>MHRD, IIT, Kharagpur</td>
</tr>
<tr>
<td>Thiru.K.Candassamy</td>
<td>Two-week Workshop on “Introduction to Structural Engineering”</td>
<td>04/01/2016 to 09/01/2016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thiru.R.Praakash</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tmt.K.Santhish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thiru.D.V.Vidhyasar</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Ms.K.Prashanthini</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### WORKSHOP/CONFERENCE/TRAINING PROGRAMMES CONDUCTED

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Title of the workshop</th>
<th>Period</th>
<th>Venue</th>
<th>Sponsored by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. J. Sreerambabu,</td>
<td>Two-week Workshop on “Signals and Systems”</td>
<td>02/01/2014 to 2/01/2014</td>
<td></td>
<td>MHRD, IIT, Kharagpur</td>
</tr>
<tr>
<td>Remote Centre Coordinator</td>
<td>Two-week Workshop on “Fluid Mechanics”</td>
<td>20/05/2014 to 30/05/2014</td>
<td></td>
<td>MHRD, IIT, Bombay</td>
</tr>
<tr>
<td></td>
<td>Two-week Workshop on “Control Systems”</td>
<td>02/12/2014 to 12/12/2014</td>
<td></td>
<td>MHRD, IIT, Bombay</td>
</tr>
<tr>
<td></td>
<td>Two-week Workshop on “Environmental Studies”</td>
<td>02/06/2015 to 12/6/2015</td>
<td></td>
<td>MHRD, IIT, Bombay</td>
</tr>
<tr>
<td></td>
<td>Two-week Workshop on “Introduction to Structural Engineering”</td>
<td>04/01/2016 to 09/01/2016</td>
<td></td>
<td>MHRD, IIT, Kharagpur</td>
</tr>
</tbody>
</table>

### UNIVERSITY RANK HOLDER
- **R. Sugumar**, IV Year Civil secured 8th rank in the Anna University Examinations May/June 2014.

### WORKSHOP ATTENDED BY STUDENTS

2. S. Pavithra, M. Sirinsulthana, B. Bhuvaneswari of IV Year Civil Engineering attended workshop on “Foundation analysis” at Tamilnadu Advanced Technical Training Institute (TATTI), Chennai.
4. J. Gowtham Rajan and S. Nelson Kumar of IV Year Civil Engineering attended workshop on “Research in Construction Technology” at College of Engineering, Chennai.
5. M. Mudaliyar Manigandan Karthi, M. S. Mohammed Imran, K. Gokul of III Year Civil Engineering attended workshop at Sri Eswari Engineering College, Chennai.
TRAINING UNDERGONE BY STUDENTS

M.Divya, M.Sirinsulthana, D.Geetha,
IV year Civil Engineering undergone training at PWD, Vellore.

B.Jayashree, R.Kaviya, M.Arulpriya, S.GnanaSoundarya, N.Jeganathan
IV year Civil Engineering undergone training at PWD, Vellore

Ph.D. Pursuers

Mr. K. Candassamy of Civil Engineering Department is pursuing Ph.D. under the guidance of
Dr. J.Sreerambabu, Associate professor, TPGIT

Mr. R. Prakash of Civil Engineering Department is pursuing Ph.D. under the guidance of
Dr. R. Thenmozhi, Associate professor, GCT

Ph.D. Supervisor

Dr. J.Sreerambabu, HOD is guiding four Ph.D Scholars and Co-Guide for 3 Ph.D Scholars

DETAILS OF PROJECT RECEIVED THROUGH UGC/AICTE

A fund of Rs.39 Lakh was awarded by the Department of Science and Technology for improvement of Science and Technology infrastructure in Universities and Higher Education Institutions (FIST). Co-ordinator: Dr. J.Sreerambabu.

Revenue Generation through Consultancy & Testing works

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Year</th>
<th>Amount in Rupees</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2014</td>
<td>13,70,274/- (Rupees Thirteen Lakhs Seventy thousand and two hundred and seventy four only)</td>
</tr>
<tr>
<td>2.</td>
<td>2015</td>
<td>8,50,000/- (Rupees Eight Lakhs and fifty thousand only)</td>
</tr>
</tbody>
</table>

PROJECTS RECEIVED THROUGH UGC/AICTE/DRDO/ISRO/RPS

Under Modernization and Removal of obsolescence (MODROBS), Modernisation of Concrete Laboratory Project to the tune of Rs. 14 Lakh was successfully completed by Dr. J.Sreerambabu, Principal Investigator/Associate Professor.
MECHANICAL ENGINEERING ASSOCIATION ACTIVITIES

CRANKZ '14
31.01.14
Chief Guest: Prof. P.M. Kavimani,
Additional Director,
DOTE, Chennai

CRANKZ '15
28.01.15
Chief Guest: K.R.S.R. KRISHNA,
Vice President & G.M., PetrofacEngg.
Services India Pvt. Ltd., Chennai

MEKBLAZE '14
19.03.14
National level Technical Symposium on
Chief Guest: Dr. C.Chinnaraj, M.E., Ph.D,
Project coordinator (TEQIP), DOTE, Chennai

MEKBLAZE '15
17.03.15
National level Technical Symposium
Chief Guest: G. SURESH GOPAL,
G.M, Leitwind Shriram Manufacturing Limited, Chennai

GO GREEN PROGRAMME
08.09.2015
Chief Guest: Dr. M.ARULARASU,
Principal

E-yantra Lab Inauguration
10.09.2015
Chief Guest: G. SURESH GOPAL,
G.M, Leitwind Shriram Manufacturing Limited,
Chennai
Award Recipient

Prof. S.Nadarajan, & Prof. A. Muralidhar, Associate Professors received “THE TEACHING AWARDS IN ENGINEERING” presented by Education Matters and Staffordshire University, U.K.

PROJECTS RECEIVED THROUGH UGC/AICTE/DRDO/ISRO/RPS

Under Modernization and Removal of obsolescence (MODROBS), Multi-Cylinder Petrol Engine TestRig Project to the tune of Rs. 7 Lakhs was successfully completed by Prof.S.Rajakumar, Prof & Head of Mechanical Engineering.

University Rank Holder

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name of the Student</th>
<th>Batch</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N.D.Raja</td>
<td>(M.E.) 2012-14</td>
<td>First</td>
</tr>
</tbody>
</table>

Ph.D Pursuers under Anna University, Chennai

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name</th>
<th>Designation</th>
<th>Title/Area of Specialization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S.Nadarajan</td>
<td>Associate Professor</td>
<td>Engineering Design</td>
</tr>
<tr>
<td>2</td>
<td>A.Muralidhar</td>
<td>Associate Professor</td>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>3</td>
<td>P.Praveen Raj</td>
<td>Assistant Professor</td>
<td>Machining of Composites</td>
</tr>
<tr>
<td>4</td>
<td>M.Kanthashoba</td>
<td>Assistant Professor</td>
<td>Engineering Design</td>
</tr>
<tr>
<td>5</td>
<td>A.Sujatha</td>
<td>Assistant Professor</td>
<td>Solar Energy</td>
</tr>
<tr>
<td>6</td>
<td>K.Anbukarasi</td>
<td>Assistant Professor</td>
<td>Study of Natural Fiber Reinforced PNC Reinforced PNC</td>
</tr>
<tr>
<td>7</td>
<td>P.Vijayalakshmi</td>
<td>Assistant Professor</td>
<td>Composite Leaf springs</td>
</tr>
<tr>
<td>8</td>
<td>T.Suja</td>
<td>Assistant Professor</td>
<td>Homogeneous Charge combustion Ignition Engine</td>
</tr>
</tbody>
</table>

TRAINING PROGRAMS ATTENDEND

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Designation</th>
<th>Title</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.Praveenraj</td>
<td>Assistant Professor</td>
<td>MHRD Sponsored Workshop on “ENGINEERING PHYSICS” under NMEICT conducted by IIT, Bombay</td>
<td>08-12-2015 to 18-12-2015</td>
</tr>
<tr>
<td>M.Kanthashoba</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K.Anbukarasi</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.Vijayalakshmi</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>K.Barathi</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>E.Elavenil</td>
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</table>

Ph.D Produced by Dr. T. Sekar

<table>
<thead>
<tr>
<th>Title</th>
<th>Candidate</th>
<th>Venue</th>
<th>University</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental Investigations on improving the performance of ECM using Nanoparticles suspended Electrolytes</td>
<td>V.Sathiyamoorthy</td>
<td>TPGIT</td>
<td>Anna University, Chennai.</td>
<td>2015</td>
</tr>
</tbody>
</table>
**Publications in International journals**

<table>
<thead>
<tr>
<th>Title</th>
<th>Source</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristic study of natural fibre-reinforced composite material</td>
<td>IJARIIE-ISSN(O)-2395-4396 Vol-1 Issue 5 Page:106-113</td>
<td></td>
</tr>
<tr>
<td>Evaluating the safety characteristics and contributing factors for accident in foundry Industry</td>
<td>IJMEIT Vol-03 Issue 11 ISSN:2348-196x Page:1561-1567</td>
<td></td>
</tr>
</tbody>
</table>

**Author: M.KANTHASHOBA**


**Author: K. ANBUKARASI**


**Author: P. VIJAYALAKSHMI**


**Ph.D Produced by Dr. M. Arularasu**

<table>
<thead>
<tr>
<th>Title</th>
<th>Candidate</th>
<th>Venue</th>
<th>University</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>A study on Implementing feasibility of Environmental, Health and Safety Management System (EHSMS) for Micro, Small &amp; Medium Scale Industries</td>
<td>N.Krishna Kumar</td>
<td>TPGIT</td>
<td>Anna University, Chennai.</td>
<td>2015</td>
</tr>
<tr>
<td>Experimental Investigation of Electro Chemical Micro Machining on Nickel and its Alloys</td>
<td>D.Saravanan</td>
<td></td>
<td></td>
<td>2013</td>
</tr>
</tbody>
</table>

**Ph.D Supervisor**

**Dr. M. Arularasu**, Principal is guiding eleven Ph.D scholars
EPULZ 2K14
26.2.2014

Chief Guest: Mr. D. Radhakrishnan
Manager, HCL, Bangalore.

EPULZ 2K15
13.03.15

Chief Guest: Dr. D. Sriram Kumar,
Professor of ECE, NIT, Trichy.
Guest of Honour: Mr. S. Dwarakanathan,
Vice-President HR, Brakes India Ltd, Chennai.

ECE Association Inauguration
23.01.15

Chief Guest: Mr. Sekar Viswanathan
Vice-President, VIT, Vellore.

Special Lecture on Recent Trends in ICT
29.09.15

Dr. J. Indhumathi, Associate Professor,
Anna University Chennai delivered a lecture on
Recent Trends in Information communication & Technology.

“Signals & Systems”,
in collaboration with IIT Kharagpur
02.01.14 to 12.01.14

Remote Centre Coordinator: Dr. J. Sreerambabu
Workshop Coordinator: Dr. J. Vijaya

“Control Systems”, in collaboration with
IIT Kharagpur
02.12.14 to 12.12.14

Remote Centre Coordinator: Dr. J. Sreerambabu
Workshop Coordinator: Dr. Rahila Bilal
Departmental Events

- Department of ECE conducted a one-day National Conference “NCAEC’14” on 29th January 2014. Dr. T.K. Shanthi, Associate Professor and Head coordinated the event. Mr. D. Srinivasan, Managing Director of Mobivel India was the Chief guest for the conference. More than 80 participants presented the paper and made the event a grand success.
- Mr. J. Karthick (2004 batch) delivered a Guest Lecture on Entrepreneurship on 18.02.2014.
- District Collector Mr. Rajendra Ratneu, I.A.S delivered an Awareness note on Elections on 10.4.2014.
- Frontline Electronics organised a Workshop on Robotics for III year and IV year students.
- Two day workshop on Cadence tools was organized.

Co-curricular and Extra-curricular activities

- Mr. C. Subash and Mr. T. Sambusheshwaran of 3rd year presented a paper in COMPCOM’15—National Level Technical Symposium on 10.03.2015 and secured third place.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name</th>
<th>Designation</th>
<th>Title of the training program</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. T.K. Shanthi</td>
<td>Associate Professor</td>
<td>“Control systems” conducted by IIT, Kharagpur</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. Rahilabilal</td>
<td>Associate Professor</td>
<td>“Signals &amp; Systems” conducted by IIT, Kharagpur</td>
</tr>
<tr>
<td>3.</td>
<td>Prof. K. Beulah Siganthya</td>
<td>Associate Professor</td>
<td>“Signals &amp; Systems” “Control Systems” by IIT Kh.</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Nishat Kanvel</td>
<td>Associate Professor</td>
<td>“Signals &amp; Systems” by IIT, Kharagpur</td>
</tr>
<tr>
<td>5.</td>
<td>Mr. B. Senthil Murugan</td>
<td>Assistant Professor</td>
<td>“Control Systems” by IIT, Kharagpur, “Engineering Physics” by IIT B</td>
</tr>
<tr>
<td>7.</td>
<td>Mr. J. Sundaravannan</td>
<td>Assistant Professor</td>
<td>“Control Systems” conducted by IIT, Kharagpur, “Engineering Physics” by IIT B</td>
</tr>
</tbody>
</table>

PUBLICATIONS

- Dr. T.K. Shanthi, Associate Professor published 5 papers in the area of Communication in National Conferences and 2 papers in International journals.
- Dr. J. Vijaya, Associate Professor published 1 international journal paper in the field of Cryptography.
- Dr. Rahila Bilal, Associate Professor published 3 papers in the area of Network Security, VLSI in National Conferences.
- Dr. Nishatkanvel, Associate Professor published 5 papers in the field of Image processing in National Conferences.

<table>
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<tr>
<th>S.No</th>
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<th>Title/Area of Specialization</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>B. Senthil Murugan</td>
<td>Assistant Professor</td>
<td>Adaptive Signal Processing</td>
</tr>
<tr>
<td>2</td>
<td>J. Sundaravannan</td>
<td>Assistant Professor</td>
<td>Wireless Sensor Networking</td>
</tr>
<tr>
<td>3</td>
<td>M. Manimegalai</td>
<td>Assistant Professor</td>
<td>Cognitive Radio</td>
</tr>
</tbody>
</table>
Ph.D Supervisor

Dr. S. Letitia, Associate Professor in ECE and has published 10 papers in National Conferences and Journals and guiding six Ph.D scholars.

PROJECTS RECEIVED THROUGH UGC/AICTE/DRDO/ISRO/RPS

Under Modernization and Removal of obsolescence (MODROBS), Microwave Strip (S & L band) Project to the tune of Rs. 17 Lakhs was initiated by Dr. T.K. Shanthi, Associate Professor of ECE.

DEPARTMENT OF MCA

MCA ASSOCIATION ACTIVITIES 2014

TEKWIZ 2K' 14

Mr. A. Seenuvasan, Vice President, WIPRO TECHNOLOGIES, Bangalore presided over the inaugural function and delivers the theme about “Migrating to Cloud Computing” Event Judges: Mr. Saddique Basha & CAHCET (HOD/ MCA) Mr. Shanmugan, SBC College, Arani (HOD/ MCA)

SPORTS ACTIVITIES IN 2K' 14

- Ms. YogapiyaII Year got first place in 800m and third place in 1500m at APEC, Kalavai on Dec’14.
- Mr. K. Vinoth, Iyear, got the Bronze Medal in Javelin Throw held at AEC, Thiruvannamalai on August’14.
- Mr. M. Mohanraj, Iyear, got the Bronze Medals in Boxing, held at KLN College of Engineering, Madurai on Nov’14.

TEKWIZ 2K' 15

10.04.2015

Chief Guest: Mr. B. Balamurugan
Our Alumnus and now Chief Executive Officer of Bals Technology, Chennai.

SPORTS ACTIVITIES IN 2K’15

24.03.2015

Over all Championship

Placement • Mr. R. Hariharan got placed in Effline Technologies, Bangalore in 2014.
DEPARTMENT OF SCIENCE AND HUMANITIES

Inauguration of Science and Humanities Association

16.10.2014

Chief Guest: **Dr. P. Kanagaraj**, Ph.D, IAS Exam Coach, Govt.ArtsCollege, Coimbatore.

01.10.2015

Chief Guest: **Dr. R. Jayavel**, Ph.D, Director, Centre for Research, Anna University, Chennai.

Opening Ceremony of New Lab in the Department of Physics

22.01.2015

Chief Guest: **Dr. M. Arularasu**, Principal.

Teaching and Ministerial Staff

ISTE STTP

Environmental Studies
02.06.15 to 12.06.15

Workshop Coordinator: **Dr. P. Manivel**

Engineering Physics
08.12.15 to 18.12.15

Workshop Coordinator: **Dr. S. Murugavel**
<table>
<thead>
<tr>
<th>Title</th>
<th>Source</th>
<th>Year</th>
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<tbody>
<tr>
<td>Fractional Evolution Interodifferential systems with Nonlocal Conditions in Banach spaces”</td>
<td>International journal of Computer Applications 96(12), 7-13</td>
<td></td>
</tr>
<tr>
<td>Cauchy problem for Quasilinearintegrodifferential equations with nonlocal conditions in banach spaces</td>
<td>International journal of Mathematical Archive(IJMA) ISSN 2229-5046 5(2)</td>
<td>2014</td>
</tr>
<tr>
<td>Nonlocal fractionalSemilinearintegro differential equations in separable banach spaces</td>
<td>American journal of Applied mathematics 2 (2), 60-63</td>
<td></td>
</tr>
<tr>
<td>Existence and uniqueness of mild solutions for fractional integrodifferential equations”</td>
<td>Applied and Computational Mathematics 3(1), 32-37</td>
<td></td>
</tr>
<tr>
<td>Synthesis and Characterisation of Metal Sulfide in Aqueous medium at Room temperature</td>
<td>Journal of NanoScience and NanoTechnology, Vol-2 Issue 4, pp-400-403</td>
<td></td>
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<tr>
<td>Magnetic activated Carbon FeOx Nanocomposites Synthesis and Application in the Removal of Acid Yellow Dye 17 from Water</td>
<td>Journal of Nanoscience and Nanotechnology, Vol-14, 1-11</td>
<td></td>
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<tr>
<td>Effect of La⁺⁺ dopant on pyromellitic acid and investigation of its nonlinear optical property</td>
<td>Mater.Express, Vol-4, No.5</td>
<td></td>
</tr>
<tr>
<td>Optoeectronic properties of R-F magnetron sputtered Cadmium Tin Oxide (Cd,SnO2) thin films for CdS / CdTe thin film solar cell application</td>
<td>Journal of Alloys and Compounds, 620, 185-191</td>
<td></td>
</tr>
<tr>
<td>Synthesis, characterization and magnetic properties of hematite (α-Fe2O3) nanoparticles on pylysaccharide templates and their antibacterial activity</td>
<td>Appl Nanosci Vol.5, 515-520</td>
<td></td>
</tr>
<tr>
<td>Title</td>
<td>Journal/Website</td>
<td>Year</td>
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<td>----------------------------------------------------------------------</td>
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<tr>
<td>Synthesis, crystal structure analysis, spectral investigations, DFT computations, Biological activities and molecular docking of methyl(2E)-2-[[N-(2-formylphenyl)(4-methylbenzene)sulphonamido)methyl]-3-[(4-fluorophenyl)prop-2-enoate, a potential bioactive agent</td>
<td>Journal of Molecular Structure, Volume 1108, Pages 150 167</td>
<td></td>
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<tr>
<td>Crystal structure and DFT studies of 4-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-(3-methoxyphenyl)pyrimidin-2-amine</td>
<td>Journal of Chilean chemical society, 59(4), 2640-2646</td>
<td>2014</td>
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<tr>
<td>Crystal structure of methyl 2-[2, 4-bis (4-fluorophenyl)-3-azabicyclo [3.3.1] nonan-9-ylidene] hydrazinecarboxylate</td>
<td>Structure Reports, 70(9), 145-147</td>
<td></td>
</tr>
<tr>
<td>Synthesis, Crystal structure, DFT and Antibacterial activity studies of (e)-2-benzyl-3-((furan-3-yl)-6, 7-dimethoxy-4-(2-phenyl-1H-inden-1-ylidene)-1, 2, 3, 4-tetrahydroisoquinoline</td>
<td>Journal of the Chilean Chemical Society 60 (3), 3015-3020</td>
<td></td>
</tr>
<tr>
<td>Synthesis and crystal structure of 6-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-4-(2-methoxyphenyl)-3,4-dihydropyrimidine-2(1H)-thione</td>
<td>Bulgarian chemical communications 47 (1), 50-54</td>
<td>2015</td>
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<tr>
<td>Experimental and Theoretical Studies of 4-(1-benzyl-5-methyl-1H-1, 2, 3-triazol-4-yl)-6-(2, 4-dichlorophenyl) pyrimidin-2-amine: A Potential Antibacterial Agent</td>
<td>Journal of the Chinese Chemical Society, 62 (11), 974-983</td>
<td></td>
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<tr>
<td>Crystal structure of [(2S, 3R)-3-hydroxy-3-phenylbutan-2-yl] pyrrolidinium chloride</td>
<td>ActaCrystallographica Section E:Crystallographic Communications, 71(10), 0758-0758</td>
<td></td>
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<tr>
<td>Crystal structure of (Z)-3-(4-methoxybenzylidene)-2, 3-dihydrobenzo [b][1, 4] thiazepin-4 (5H)-one</td>
<td>ActaCrystallographica Section E:Crystallographic Communications, 71(1), o21-o22</td>
<td></td>
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<tr>
<td>Crystal structure of (E)-N-(3, 3-diphenylallylidene)-9-ethyl-9H-carbazol-3-amine</td>
<td>ActaCrystallographica Section E: Crystallographic Communications, 71(4), 418-420,</td>
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<tr>
<td>Crystal structure of (E )-N-[(2-chloro-6-methoxyquinolin-3-yl)methylidene]-9-ethyl-9H-carbazol-3-amine</td>
<td>ActaCrystallographica Section E: Crystallographic Communications, 71(4), 421-423</td>
<td></td>
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<tr>
<td>Synthesis, Crystal Structure and DFT Studies of 4- (1-Benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-(o-tolyl) pyrimidin-2-amine</td>
<td>Asian J. Chem. 27(3), pp 974-978</td>
<td></td>
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**Author:** Dr. N. KALAIVASAN

Corrosion Protection Aspects of Mechanochemically Synthesized Polyaniline/MMT clay Nanocomposites | RJPBCS 6(2) Page no. 1301-1307 | 2015 |
### Publications in Conferences, Symposia and Seminars

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Source</th>
<th>Year</th>
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<tbody>
<tr>
<td>Dielectric behaviour of PVA : PVP : Mg(ClO₄)₂ blend polymer electrolytes</td>
<td>M.Thamilselvan, R.Mangalam, R.Manjuladevi, A.Banu</td>
<td>6th international conference on Advancements in Polymeric Materials-conducted by Central Institute for Plastics Engineering and Technology, from 20-22 Feb, 2015 at Indian Institute of Science, Bangalore</td>
<td>2015</td>
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</table>

### Special Lecture By Dr.M.Thamilselvan

<table>
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<tr>
<th>Title</th>
<th>Position</th>
<th>Institution / Place</th>
<th>Year</th>
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<tbody>
<tr>
<td>Importance of Physics in Science and Technology</td>
<td>Chief Guest</td>
<td>Science Club Function, Government College of Technology, Coimbatore-13.</td>
<td>15.04.2015</td>
</tr>
<tr>
<td>Semiconductor Photovoltaics</td>
<td>Resource Person</td>
<td>UGC sponsored one week FDP at PSGCAS, Coimbatore-46.</td>
<td>23.03.2015</td>
</tr>
<tr>
<td>Solar Energy Need of the Hour</td>
<td>Chief Guest</td>
<td>National Science Day 2015” celebrated at Islamiah College, Vaniyambadi.</td>
<td>28.02.2015</td>
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<tr>
<td>Solar Photo Voltaic Cells</td>
<td>Chief Guest</td>
<td>Inaugural function of Physics Association at Voorhees College, Vellore.</td>
<td>12.08.2014</td>
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<tr>
<td>Role of Nano Technology in the field of Engineering</td>
<td>Guest of Honour</td>
<td>Sri Venkateswara Polytechnic College, Adukkamparai, Vellore-02.</td>
<td>10.02.2014</td>
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</table>

### TEXT BOOK Written By Dr.M.Thamilselvan

<table>
<thead>
<tr>
<th>Title</th>
<th>Publisher</th>
<th>Year</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Physics I</td>
<td>Vishnu Prints Media</td>
<td>2013</td>
<td>Dr.M.Thamilselvan</td>
</tr>
<tr>
<td>Engineering Physics II</td>
<td>Vishnu Prints Media</td>
<td>2014</td>
<td>R.Suresh</td>
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</table>

### Ph. D. Produced By Dr.M.Thamilselvan

<table>
<thead>
<tr>
<th>Title</th>
<th>Candidate's Name</th>
<th>Venue</th>
<th>University</th>
<th>Year</th>
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</table>

### Ph.D Supervisors

- **Dr. M. Tamilselvan**, HOD in Physics is guiding five Ph.D scholars
- **Dr. S. Murugavel**, Assistant Professor in Physics is guiding Twelve Ph.D scholars
- **Dr. P. Manivel**, Associate Professor in Chemistry is guiding Two Ph.D scholars
<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Title of the workshop</th>
<th>Period</th>
<th>Venue</th>
<th>Sponsored by</th>
</tr>
</thead>
</table>
| Dr. M. Thamilselvan  
Dr. P. Manivel  
Dr. S. Murugavel  
Dr. N. Kalaivasan  
Prof. D. Babu  
Prof. V. Vetivelan  
Prof. S. Subramani | ISTE Work shop on Environmental studies | 02.06.2015 to 12.06.2015 | TPGIT | MHRD, IIT, Bombay. |
| Dr. S. Murugavel  
| Dr. M. Thamilselvan  
Prof. J. Rex Martin Sahayaraj  
Dr. N. Kalaivasan | Two day State Level Students Projects Seminar cum Exhibition | 26.06.2015 to 27.06.2015 | TPGIT | TNSCST, Chennai. |

Alumni Meet 2K14 & 15

Alumni Meet  
16.02.2014

Celebrating Silver Jubilee Year  
15.02.15

1991 Batch Alumni Meet  
15.08.2015

1991 batch alumni felicitated Independence day  
15.08.2015
TPGIT PLAQUE

THANTHAI PERIYAR
GOVERNMENT
INSTITUTE OF
TECHNOLOGY
VELLORE-2