PMC TECH
INSPIRE TO INNOVATE

PMC PAGES

An Exclusive Annual Newsletter

Volume - 1 | Issue - 5 | May 2016

TNEA COUNSELING CODE 2621

9+ Centre's of Excellence
25+ MoU's with Industries,
Academic & Professional Bodies

20 Funded Projects in Progress
30 Innovative Projects Completed

13 University Ranks,
71% Results Achieved
Ranked 61 in 2015 of 525 University Colleges

468+ Placement Offers
34+ Companies Campus Drive
CTC Ranging upto ₹ 4.8 Lakhs

SIRO Status recognized by DSIR
A+ Grade by Career 360, 64th Rank by Data Quest
Awards of CSI, IE-I, ISTE, Infosys, Wipro, IIT, Govt. of Tamilnadu

"We Empower Students for a Brawny Nation"

CONTENTS...

OUR INSTITUTION

"PMC TECH - Group of Institutions is uniquely positioned to provide the Vision, Leadership, and Intellectual Capital that underwrite progress in the 21st Century."

Established in the year 1996 under the dynamic leadership of Shri. Er. P. Perumal, Founder Chairman and bannered by "Er. Perumal Manimekalai Telugu Minority Educational and Charitable Trust", the institution is a sunrise hub for providing quality education in the region. PMC TECH has been envisioned to be an institution promoting academic and professional excellence, nurturing and sustaining conducive ambience for sculpting budding talents into technology and management leaders of tomorrow and inculcating in them professional ethics, cultural values, sensitivity and sense of service towards society.

Er. Perumal Manimekalai College of Engineering (established 2002), approved by AICTE and affiliated to Anna Univerity, offers the students an advantageous atmosphere with state-of-the-art facilities, distinguished mentors and pleasant educational environment to provide quality education. The focus is on shaping students to become self-disciplined, self-dependent and self-confident individuals. PMC TECH pulls out all the stops, provides the best possible employability skills for the development of students and mould their career in such a way that they excel in all fine distinction of life.

VISION

"To strive and achieve excellence in technical education and management with continuous applied research and development to create well groomed and responsible citizens who are dynamic, competent, innovative, eminent and delivery oriented engineers, technologists and management professionals to build a Brawny Nation."

MISSION

PMC TECH will Endeavour

- **High quality technical education by inculcating discipline, ethicality and personality development.**

- **Knowledge based professionals out of youth from all walks of life and enrich their quality of life by empowering self and family.**

- **Good Infrastructure for providing quality and quantity education, research and creativity progressively.**

- **Integrate with industry, R&D and business organization by ensuring connectivity with the society in the vicinity.**

- **An ultimate center for state-of-art teaching and learning engineering and technology, research and management.**

FROM THE FOUNDER & CHAIRMAN'S DESK
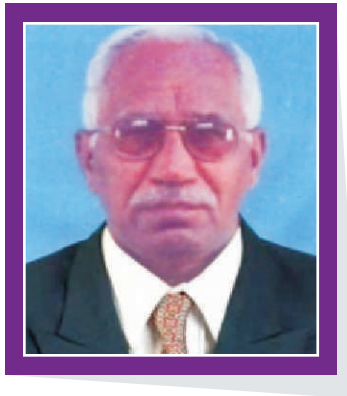
"Education should consist of a series of enchantments, each raising the individual to a higher level of awareness, understanding, and kinship with all living things"

Welcome to PMC TECH, where academics and activities never ends and the students are moulded like diamonds as future technocrats and business leaders. The institute works on the vision to become one of the leading centres of teaching, research and extensions in the field of Engineering and Technology.

Our PMC TECH provides the right ambience to pursue higher studies in serene atmosphere under the care of highly experienced and qualified teachers. The College offers higher educational opportunities both in conventional and professional courses. Apart from regular curriculum centered teaching, value added programmes, co-curricular and extra-curricular activities are a regular and common feature. The spacious classrooms, good laboratories and a well stacked library help students to learn systematically and thoroughly.

I welcome young, talented students to avail the facilities and enjoy all benefits under one roof. We not only strive to train the students to become excellent scientists, technologists, thinkers and leaders of the society, but also help them mould themselves into better human beings.

I wish to congratulate the entire faculty and other staff for encouraging and guiding the students in all facets, for their well rounded development.

Er. P. Perumal,
Founder & Chairman.

FROM THE SECRETARY'S DESK

"By Education we mean that training in excellence from youth upward which makes a man passionately desire to be a perfect citizen, and teaches him to obey, and to rule, with justice. This is the only education which deserves to be named"

PMC TECH is committed to develop young minds for innovative leadership in business and a proactive and useful role in social transformation. We aim to educate students to be critical thinkers, problem-solvers and thoughtful communicators. Our curricular, co-curricular and extra-curricular programs enrich students' development and personal lives. Our Career Gateway and Professional Development programs are designed to prepare students for success beyond their academics.

An opportunity to study at PMC TECH empowers a student to acquire knowledge and develop skills that will enable a highly productive, rewarding and holistic life.

Shri. P. Kumar,
Secretary & Correspondent

FROM THE TRUSTEE'S DESK

"The principle goal of education is to create men who are capable of doing new things, not simple of repeating what other generations have done--men who are creative, inventive, and discoverers"

These words by Franklin D. Roosevelt perfectly describe our aim at PMC TECH.

We have a perfect blend of academics and dynamic environment to motivate everyone – the faculty and students to deliver their best. We have a very competent and dedicated core faculty team. In addition to their excellent teaching, the faculty members are actively involved in molding the minds of the future engineers.

We strive to give professional education a new perspective and achieve perfection in all spheres. We wish to assure all concerned that no efforts will be spared to bring PMC TECH as one of the top technical educational Institution.

Smt. P. Mallar,
Trustee

FROM THE TRUSTEE'S DESK

"If you are planning for a year, sow rice; if you are planning for a decade, plant trees; if you are planning for a lifetime, educate people"

PMC TECH is committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to face confidently and competently the challenges and competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state – of – art practices.

We give top priority to discipline and knowledge and the application of the same for societal progress and upliftment.

Dear Students, your future begins here. We are looking forward to help you succeed!

Smt. S. Sasirekha,
Trustee

FROM THE PRINCIPAL'S DESK

"Education, as an instrument of social change, plays a crucial role not only in character building and personality development but also prepares the individual to face the challenges of life with determination and confidence"

Apart from delivering excellent academic content and development of skills through practical experiences, the students are encouraged to develop through bridge courses by interacting with resource persons.

Instead of intricating materialism through only class room education, PMC TECH motivates students to take part in workshops, seminars, industrial visits, interactive sessions, host of other programme and activities to inculcate in them the sound moral values, strong personality and enthusiasm. Implementing modern learning approaches which engage students and prepare them to succeed in a globally connected world.

Placement of young energetic budding engineers is of prime importance to PMC TECH. A systematic development in soft skills and overall confidence building through weekly programmes is unique. Ultimately, our student will be a holistic person to be employed.

Thanks to the educationally committed management, we have the reputation that we provide all the facilities and amenities. May be because of all these, I proudly say that 468 of our students got placed in the reputed companies in this year 2015 – 2016. I am thankful to all my colleagues who are striving hard to establish PMC TECH as one of the leading Engineering Institution.

Dr. S. Chitra,
Principal

PROGRAMMES OFFERED

UG Programmes B.E. / B.TECH.

- Aeronautical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering
- Mechatronics
- Information Technology

PG Programmes M.E. / MBA / MCA

- Aeronautical Engineering
- Applied Electronics
- Computer Science and Engineering
- Engineering Design
- Power Electronics and Drives
- MBA - Master of Business Administration
- MCA - Master of Computer Applications

Research Programme

- Ph.D. - Computer Science and Engineering

     - Management Studies

PROFESSIONAL BODIES

In PMC TECH each and every department has well known international and national professional bodies. Some of these have Research & Development centers, Incubation centers encouraging Entrepreneurship, local chapters beneficial to students as well faculty members. The presence of Professional bodies and their regular activities showcases the college on global arena as these are crucial to engineering education.

Computer Society of India

ICT Academy of Tamil Nadu
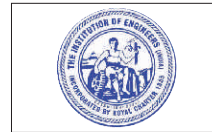
The Institution of Engineers

Institute of Electrical and Electronics Engineers

Indian Society for Technical Education

Madras Management Association

National HRD Network

Society of Automotive Engineers India

MEMORANDUM OF UNDERSTANDING'S (MoU's)

Being a leading Institution in the region, it is extremely important to be connected with global network of Industries and Academic Institutions for enhancement of the competence of students and faculty members. PMC TECH, therefore, maintained strong associations with various National and Multinational Companies, Educational and Research Institutions by entering into Memorandum of Understanding.

National Institute of Design

Confederation of Indian Industry

National Association of Software and Service Companies

National Agency for Finite Element Methods and Standards

Surgeforth Technologies

Bharat Sanchar Nigam Limited

Classle

Campus Corporate Centre
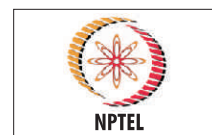
INDUSTRY & ACADEMIA COLLABORATIONS

Our Institute's performance on collaborations with Industries, both on practices and outcome, are monitored, evaluated and assessed on regular basis for improvements and further expansions. The main aim is to meet the requirement in par with industry expectations by maintaining continuous liaisons, interactions involving participation both by students and faculty members.

CISCO Academy	Oracle	NPTEL - Digital Resources
Infosys Technologies	Wipro Technologies	IIT - Bombay
IIT - Kharagpur	Reliance JioInfocomm Limited	TCS – iON Learning Exchange
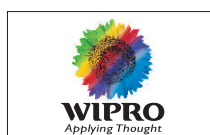
CENTER OF EXCELLENCE'S

PMC TECH strives to offer programs geared to help our stakeholders to get a competitive edge in the high skill and high demand global market place. We make the students "an industry ready personnel" or "professional entrepreneur" by way of providing education qualities at the highest level. Students Innovate Projects funded by the following are incubated to empower as a startup.

Incubation Center of Ministry of MSME	Innovation & Entrepreneurship Development Centre-(IEDC) of DST	Scientific & Industrial Research Organisation of DSIR
Campus Connect Programme Centre of Infosys	Mission 10X Technology Learning Centre of Wipro	Spoken Tutorial of IIT - Bombay
Aakash Project Centre of IIT - Bombay	e-Yantra Robotics Lab Centre of IIT - Bombay	Virtual Amrita Laboratories Universalizing Education Centre

ACADEMIC EXCELLENCES

Excellence is a habit, not an act...
It takes Practice and Perseverance...

Our Institution faculty who serve significantly, energetically, innovatively, and knowledgeably to students with new approaches to innovative teaching methods have a demonstrable effect on enhancing student learning-outcomes. Our students have been recognized with achieving high positions and outstanding performance in the Anna University Examinations.

University Rank Holder List - 2015

N.BHAVYA
M.E. (AERO) - 2nd Rank
Faculty, PMCTECH

K.MADURA
M.E. (CSE) - 41st Rank
Faculty, ACS Engg. College

S.DHANALAKSHMI
B.E.(CSE) - 43rd Rank
PPTs Ltd, Coimbatore

S.REVATHI
B.E. (ECE) - 36th Rank
Pursuing ME, PMC TECH

A.SANDHIYA PREETHI
B.E. (ECE) - 39th Rank
HCL Ltd, Chennai

K.ARUN KUMAR
M.E. (MECH) - 25th Rank
Faculty, Velammal Engg. College

C.PRADHEEPHA
MBA - 13th Rank
ICICI Ltd, Bengaluru

A.SOMIYA
MBA - 15th Rank
FSB Pvt.Ltd, Hosur

K.P.SYED CHOTTU
MBA - 25th Rank
Aliceblue P Ltd, Bengaluru

R.LAKSHMI DEVI
MBA - 49th Rank
Sendmy Gift P Ltd, Bengaluru

G.TAMIL SELVI
MCA - 3rd Rank
HGS Ltd, Bengaluru

R.JOTHI
MCA - 10th Rank
Ep.Tech P Ltd, Coimbatore

A.SOWMIYA
MCA - 19th Rank
HGS Ltd, Bengaluru

University Rank Holder List - 2014

NALLATHAMBI.S
AERO - 35th Rank
TAAL, Hosur

LOKESHWARI.C
CSC - 42nd Rank
KGISL, Coimbatore

SHILPA.K
EEE - 29th Rank
HGS, Bangalore

AMREENTAJ.A
ECE - 32nd Rank
HCL, Chennai

ANUSHA GORRE
ECE - 30th Rank
Adarz Tech, Bangalore

ASHA.A
ECE - 47th Rank
Adyukthy, Chennai

NIVETHA.N
ECE - 41st Rank
CTS, Chennai

SHABANA.S
ECE - 35th Rank
HGS, Bangalore

ACADEMIC EXCELLENCE

DEEPA.M
IT - 47th Rank
CTS, Chennai

MANJUNATH.S
IT - 50th Rank
Vee Tech, Salem

KANAKA.N
B.Sc. (CT) - 3rd Rank
First Source, Chennai

JAYAVARDHINI.R
B.Sc. (IT) - 3rd Rank
First Source, Chennai

RAJALAKSHMI.N
B.Sc. (SE) - 1st Rank
First Source, Chennai

DIVYADHATHRI.R.O
MCA - 5th Rank
TCS, Chennai

INDHU.S
MCA - 44th Rank
Milestone, Chennai

KANNAN.A
MCA - 39th Rank
HGS, Bangalore

SUDHA.B
MCA - 24th Rank
Adarz Tech, Bangalore

VEDHASHREE.S
MCA - 19th Rank
Adept Tech, Bangalore

KANCHANA.T
M.E. (CSE) - 36th Rank
Faculty, PMCTECH

ARUNA.M
MBA - 42nd Rank
Strog Int. Pvt. Ltd, Bangalore

KUMARARAJA.K.G
MBA - 44th Rank
Adaptech, Bangalore

LAVANYA.S
MBA - 43rd Rank
Strog Int. Pvt. Ltd, Bangalore

RESULT PERFORMANCE

Anna University Examinations Result Performance of BE /B.TECH /ME/MCA/MBA			
Fields	**Nov/ Dec' 2014**	**April / May 2015**	**Nov/ Dec' 2015**
No. of Students Appeared	2278	2227	2065
No. of Students Passed	1317	1597	1460
Pass Percentage	57.8	71.7	70.7

Chart:

2278 / 1317 — Nov/ Dec' 2014
2227 / 1597 — April / May 2015
2065 / 1460 — Nov/ Dec' 2015

■ No. of Students Appeared
■ No. of Students Passed (All Clear)
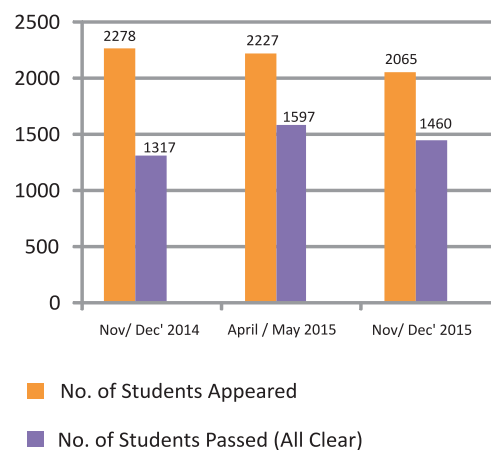
Anna University - Chennai placed PMC TECH in the **"61st Rank"** out of 525 of its affiliated colleges for Academic Performance - 2015.

FACULTY DEVELOPMENT PROGRAMMES

- **Awareness Program on NACC** - one day workshop in Assessment and Accreditation used for understanding the "Quality Status" of an institution. The session handled by Dr. R. Karthikeyan, Assistant Professor - EEE, M.Kumarasamy College of Engineering, Karur held on 21st January 2016

- **Awareness Program on 5S** - Faculty Development Programme for quality program to continuously improve the work environment, increasing efficiency, well-being and satisfaction of all employees held on 06th January 2016 by Mr. D. Eregamani, AGM & Head- TQM, Carborandum Universal Ltd., Hosur.

- **Awareness about Funded Projects towards R&D & Awareness about IEDC and MSME Projects** - Faculty Development Programme for one day held on 30th December 2015. The session handled by Dr. K. Elangovan is a Technical Director of NAFEMS India Operations, Bengaluru.

- **IBM Bluemix - The Digital Innovation Platform -** Faculty Development Programme for two days held on 25th& 26th November 2015, session handled by Mr.S.Shanmughavel, Deputy Manager, ICT Academy of Tamilnadu.

- **NPTEL Awareness Workshop -** To spread awareness regarding "National Programme on Technology Enhanced Learning" held on 20th November 2015 by Professor Andrew Thangaraj, IIT Chennai.

- **Pe's and Peo's from NBA -** Faculty Development Programme for one week held on 13th to 21st November 2015. The resource persons are Dr. S. Ravi. Professor / Head - MBA & Mr. S. Senthil Kumar, Assistant Professor / Mechanical of PMC TECH.

- **Embedded System and Sensor Technologies -** two days technical workshop conducted by Mr. M.E. Rajamanikam, Director & Senior Industrialist, Bits 'N' watts Embedded Solution, Bengaluru held on 14th & 15th September 2015.

- Twoweek ISTE Short Term Training Programme (STTP) on **Engineering Physics** conducted by Prof. Shiva Prasad and Prof. Dipan K. Ghosh, Professor's / Physics, IIT - Bombay from 8th to 18thDecember 2015.

- Two Week ISTE Short Term Training Programme (STTP) on **Technical Communication** conducted by Prof. P. Sunthar, Professor / English, IIT - Bombay from 24th to 28th August 2015.

- Two-Week ISTE Short Term Training Programme (STTP) on **Environmental Studies** conducted by Prof. Virendra Sethi & Prof. K Narayanan, Professor's / Chemistry, IIT Bombay from June 2ndto 12thJune 2015.

Upcoming Events

- Four Week AICTE approved FDP by IIT Bombay on **Use of ICT in Education for Online and Blended Learning** conducted by IIT Bombay from 2nd May to 10th July 2016.

National Seminar on
Nature Inspired Evolutionary Algorithms for Bioinformatics

FDP on NPTEL Awareness Workshop

ACADEMIC ATTAINMENTS

Computer Society of India

- **Big Data Analytics with IoT** - Guest Lecture held on 14th August 2015 by Dr. Anirban Basu, Vice President, Computer Society of India.

- **MAT LAB - The language of Technical Computing** - Technical workshop held on 07th September 2015 by Dr.B.Madhusudhanan, Dhumara Mahate Pvt. Ltd., Bengaluru.

- **Big Data Analytics with Hadoop Mapreduce** - Technical workshop conducted for two days by Mr.R.Vasu, M.Sc, M.Phil, PGDSD, Computer Society of India from 09th& 10th October 2015.

- **Sagnanana - CSI Online Quiz Competition - 2016** - conducted technical quiz competition based on GATE Exam layout for the students of Polytechnic & Engineering held on 23rd February 2016.

- **R - Programming and Rapid Miner** - Technical workshop conducted on 15th March 2016 by Dr. M. Venkatesan, AP / Software System Division, School of Computing Science and Engineering, VIT University, Vellore.

ICT Academy of Tamil Nadu (ICTACT)

- **Vmware Academy Day 2016** – Prepare the students for employment in Virtualization and Cloud Computing domains technical workshop held on 20th April 2016 Organised by Vmware & ICTACT.

- **ICTACT Bridge 2015 - Innovative India For make in India** – Conference held on 26th June 2015 Prof. S. Janakiraman, HOD - IT& Mr. S. Prasanna Venkatesh, AP / ECE participate and discussed on improving the Industry-Institute Interaction primarily on the key issues that includes the role of Technology, Innovation, Applied Research, Entrepreneurship, Future Virtual World, Curriculum Change, Industry Expectations and Skill Development.

- **Student Debate on "Entrepreneurship Vs Employment"** - our final year graduating engineering student stake part in the session and enhanced employability skills held on 07th July 2015.

- **SESCON -** Technical Quiz contest for final year graduating engineering students held on 08th& 09thJuly 2015.

- **Industry Connect'15** - a two-day interactive session held on 10th& 11th July 2015,where 30 experts from the industry addressed students on opportunities available for fresh engineers in the emerging Indian economy, on product innovation, entrepreneurship and skills and competencies.

- **Banking, Financial Services and Insurance (BFSI) -** Certification Program held on 19th August 2015 by Mr. K. V. Anand, BFSI of ICTACT for all circuit branch students.

Institution of Engineers - India (IE-I)

- **Non-destructive Testing Methods for Fatigue and Fracture -** Technical Seminar held on 05th January 2016 by Mr. T. Karthikeyan, Scientist Grade B, NAL, Bengaluru.

- **Structural Analysis in Aircraft Parts -** Technical Seminar held on 17th February 2016 by Dr.N.Ramesh, Senior Scientist, HAL, Bengaluru.

- **Advanced Propulsion Techniques -** Technical Seminar held on 05th March 2016 by Prof. Mallika Arjun Vaggar, Ex - IAF, Professor, Dhayandha Sagar Engineering College, Mysuru.

- **Heat Transfer in Space Vehicles -** Technical Seminar held on 17th March 2016 by Mr.R.Karthikeyan, HOD, Department of Aeronautical Engineering, PMC TECH.

ACADEMIC ATTAINMENTS

Institute of Electrical and Electronics Engineers (IEEE)

- **Discrete Time Systems and Signal Processing -** Guest Lecture conducted on 07th March 2016 by Prof. A.Thangaraj, Professor, Govt. College of Engineering, Bargur for ECE & EEE Students.

- **Evaluation of Microprocessor and Microcontroller -** Guest Lecture conducted on 11th March 2016 by Prof. K.Manokaran, Professor / ECE, Govt. College of Engineering, Bargur for MCO Students.

- **Cloud Computing in Energy Auditing -** Guest Lecture conducted on 22nd March 2016 by Dr.A.Senthilkumar, Professor, Velammal Engineering College,Chennai for all circuit branch students.

Society of Automotive Engineers India (SAE – India)

- **Recent Trends in Productivity -** Technical Seminar held on 5th March 2016.The resource person Mr. C. Naveenkumar, Lead Engineer, Bangalore delivered an inspirational speech and make the students aware of importance and developments in productivity.

- **Advanced Automobile Technology -** Technical Seminar held on 21stFebruary 2016 by resource person Mr. K.V. Natarajan, DGM, LCV Manufacturing Plant – II, Ashok Leyland delivered the students about importance and the developments taking place in the automobile technology.

Indian Society for Technical Education (ISTE) ISTE Faculty Chapter

- **3D Printing -** held on 19th August 2015 by Mr. S. Vigneshwaran, Assistant Professor / Mechanical of PMC TECH.

- **Awareness Program on 5S -** held on 06th January 2016 by Mr. D. Eragamani, Manager, Murugappa Groups, Hosur.

ISTE Student Chapter

- **Computer Networks -** Guest Lecture programme on 2nd April 2016 by Mrs.A.Maheshwari, AP - IT, PMC TECH.

- **Probability and Random Process -** Guest Lecture programme on 1st April 2016 by Mr. S. Arun Kumar, AP - H&S, Saranathan Engineering College.

- **Principles of Management -** Guest Lecture programme on 1st April 2016 by Dr. B. G. Ramaraj, AP - MBA, PMC TECH.

- **Computer Networks -** Guest Lecture programme on 31st March 2016 by Mrs. V. Keerthika, AP - CSE, PMC TECH.

- **Electromagnetic Theory -** Guest Lecture programme on 28th& 29thMarch 2016 by Mr.R.Pandiyan, Manager, Alpha-Beta Solutions.

- **Embedded and Real Time Systems -** Guest Lecture programme on 22nd March 2016 by Dr. A. Senthil Kumar, Prof. - EEE, Vellammal Engineering College.

Inauguration of NHRD Student's Chapter @ PMC TECH

R-Programming and Rapid Miner - Technical Workshop

ACADEMIC ATTAINMENTS

- **Very Large Scale Integration (VLSI) -** Guest Lecture programme on 20th February 2016 by Dr.R.Sakthivel, Prof. - ECE, Vellore Institute of Technology (VIT).

- **Factoring Services -** Guest Lecture programme on 17th February 2016 by Ms. T. Radhika, Asst. Vice President, Canbank Factors Ltd.

- **Transmission Lines and Wave giudes & Digital Signal Processing -** Guest Lecture programme on 19th September 2015 by Mr. S. Mahaboob Basha, AP - ECE, Velammal Engineering College.

- **Embedded Systems -** Technical Workshop held on 14th & 15th September 2015 by Mr. Raja Manickam, Bits N Wats Embedded Solutions Ltd.

- **Protection Product and SCADA -** Guest Lecture programme on 04th September 2015 by Mr. R. Jayaraman, Senior Manager, EASUN Reyrolle Ltd.

- **Matlab Training -** Technical Workshop for four days held on 24th to 27th August 2015 byDr. B. Madhusudhan, DhumraMahati Technologies, Bengaluru.

- **Printed Circuit Board (PCB) -** Advanced Circuits - Technical Workshop for two days held on 31st July & 01st August 2015 by Mr.E.Rajasekar, Raana Power Solutions, Bengaluru.

Madras Management Association (MMA)

- **How to unlock value in your organization using 5S -** Guest Lecture held on 26th April 2016 by Mr. T. R. Sairam, Corporate Trainer.

- **Transform Human Resource in to Human Capital -** Guest Lecture held on 23rd March 2016 by the Faculty of TCS &Corporate Trainer's

- **Project failure to Success -** Guest Lecture held on 19th February 2016 by Mr. V. P. Pushpakumar, Corporate Trainer.

- **The Exciting Entrepreneurship Journey -** Guest Lecture held on 21st August 2015 by Mr. G. Ramasubaramaniyam, Corporate Trainer.

- **Lean Management for Organizational Effectiveness -** Guest Lecture held on 24th July 2015 by Mr. T. R. Sairam, Corporate Trainer.

National HRD Network (NHRD)

- **National HRD Network (NHRD) -** Student Chapter - was inaugurated by Mr. Manivannan, President of NHRD & Executive Committee Members held on 31st October 2015.

- **Entrepreneurship for Aspiring Students** on 12th April 2016 by Mr. M. Selvakumar, CEO of MSK Venturi Tools, MSK Property Promoters & Revathi FormTech Inc.

- **Women's Day - Inspired the females to achieve in their career and life** on 09th March 2016 by Ms. Hema Ravichandar, HR strategic Advisor, Infosys Technologies.

- **Career Anchor** on 09th Februray 2016 by Ms.Deepa Mahesh, Creative Arts, Therapist, Counsellor and Facilitator.

- **Corporate Expectations & Employability Skills for MBA Students** on 29th November 2015 by Mr. K. Srinivas, Senior Manager, Arokya Hospital.

- **The Future of the HR Profession** - Eight Leading Consulting Firms Share Their Visions for the Future of Human Resources on 10thSeptember 2015.

- **Winning Qualities of Highly Successful People & Hand Shadow Performance** on 27th August 2015 Mr. Sathi Achath, Project Evaluation Specialist for the World Bank in Washington, DC.

- **Mutual Fulfilment of Aspirations between Employees and Employer** on 14th July 2015.

- **A Case Study on Building Positive Industrial Relations- A Pragmatic Approach** on 30th June 2015 by Dr. S. Karthikeyan, Industrial Psychologist.

ACADEMIC ATTAINMENTS

- **Energy Conservation Program of Petroleum Conservation Research Association -** Technical Workshop for two days was conducted by Mechanical Engineering for third year students by Mr. VS. Baskar, Director, Cool Band Associates, Bengaluru.

- **Nature Inspired Evolutionary Algorithm for Bioinformatics -** Technical Seminar for two days was conducted by Computer Science & Information Technology - Dr.S.N.Deepa, Director, Anna University Regional Center, Coimbatore held on 21st& 22nd August 2015.

- **Cloud Computing -** Technical Workshop for two days was conducted for Departments of CSE, IT & MCA. The session handled by Mr. A. F. Sheik Hakanni, AP - MCA, PMC TECH, in association with ICTACT held on 25th & 27th January 2016.

- **SCALA Programming -** Technical Workshop for seven days was conducted by Departments of CSE, IT & MCA. Dr.T.Senthilkumar, Associate Professor, Amrita University, Coimbatore engaged the sessions held on 07th to 14th March 2016.

- **R - Programming -** Technical Workshop conducted by the Department of CSE, handled by Dr. N. Venkatesh, Assistant Professor, VIT University, Vellore held on 15th march 2016.

- **Embedded System and Sensor Technologies -** two days technical workshop conducted by Department of ECE, EEE & EIE students. The session handled by Mr. M.E.Rajamanikam, Director & Senior Industrialist, Bits 'N'watts Embedded Solution, Bengaluru held on 14th& 15thSeptember 2015.

- **Hands on Training in Advanced MATLAB SIM Power Systems -** two days technical workshop was conducted by the Department of EEE for third year students by Dr. B. Madhusudhan, Dhumra Mahati Technologies, Bengaluru held on 28th & 29th August 2015.

- **Hands on Training in MATLAB -** two days technical workshop was conducted by the Department of ECE for third year students by Dr. B.Madhusudhan, Dhumra Mahati Technologies, Bengaluru held on 24th & 25th August 2015.

- **Real World Sensor Interfacing & Signaling Systems -** two days technical workshop was conducted by the Department of MCO for third year students by Mr. E. Rajasekar. Project Manager, Rana Power Solutions, Bengaluru held on 19th & 18th August 2015.

- **PCB Design & Fabrication Process -** two days technical workshop conducted by Department of ECE, EEE & EIE for third year students. The session handled by Mr. E. Rajasekar. Project Manager, Rana Power Solutions, Bengaluru held on 03rd&04thAugust 2015.

- **Implementation & Design of PCB -** two days technical workshop was conducted by the Department of MCO for third year students by Mr. E. Rajasekar. Project Manager, Rana Power Solutions, Bengaluru held on 03rd&04thJuly 2015.

- **Advancements & Futuristic Trends in Aerospace Engineering -** seven days Value Added Training by Bangalore Aircraft Industries Pvt. Ltd., under the governance of NAFEMS conducted by the Department of Aeronautical Engineering for final year students.

- **Perceptual Orientation for Professional Development -** five days Value Added Training by Prof. Mallikarjuna R Vaggar, Associate Professor – Aero, Visveswaraiah Technological University, conducted by the Department of Aeronautical Engineering for second & third year students.

ACADEMIC ATTAINMENTS

National Conference's

- **National Conference on Intelligence and Communication Technology (NCICT'16)** in association with CSI, ISTE & ICTACT held on 21st March 2016 organized by Departments of CSE, IT & MCA.

- **National Conference on Automation Building Flying Machine & Mechanical Sciences (NCABFM'16)** in association with ISTE & IE-I held on 24thMarch 2016organized by Departments of AERO, CIVIL & MECH.

- **National Conference on Recent Innovations in Control, Communication and Instrumentation (NCRICCI'16)** in association with ISTE & IEEE held on 22nd March 2016organized by Departments of ECE, EEE & EIE.

- **National Conference on Social Implications of E-Business in India** held on 18thMarch 2016 organized by MBA.

Our Chairman addressed the occasion: conference brought together the full diversity of the science and technology community, practitioners and researchers from all geographical regions, to discuss how the science and technology community will best support its implementation. "The productive and fruitful discussions presented a good opportunity for networking in the global science community and offered a number of new insights into the process of decision making based on research results. We need innovation not only in the field of science and technology, but also in the field of institution and the current system of research environment.

Technical Symposium's

- **POWERTRO - 2K15 -** a National Level Technical Symposium held on 11thSeptember 2015 inaugurated by Dr. R. Sakthivel, Co - ordinator& Director, Research & Development, VIT University, Vellore organized by Departments of ECE, EEE & EIE.

- **EUREKA -** "The Future is Today" - An Inter Collegiate Technical Symposium for first year students held on 31th March 2016 inaugurated by Dr. P. Rameshbabu, Professor, School of Advanced Sciences (SAS), VIT University, Vellore organized by Departments of Science & Humanities.

- **SOLIDUS 2K15 -** a National Level Technical Symposium held on 10thSeptember 2015 inaugurated by Mr. James John, Stress Engineer, Saffran Aerospace Pvt. Ltd. organized by Departments of AERO, CIVIL, MECH & MCO.

- **PMC SYMPO 2015 -** a National Level Technical Symposium held on 12thSeptember 2015 inaugurated by Dr. S.N. Sivanandam Professor Emeritus, Department of Computer Science & Engineering, Karpagam College of Engineering organized by Departments of CSE, IT & MCA.

Dr. R. Sakthivel, Professor / ECE, VIT University - Addressing the occasion on Technical Symposium - 2015

FRESHER'S INDUCTION PROGRAMME - 2015

Induction Program for the students of first year was held on 15th July, 2013 in the auditorium of PMC TECH. The main goal of the induction program was to help students shift gears from school to Institute life. Specifically, with an intention that at the end of the program, students commit to learning and growth, and acknowledge that 'learning is crucial for their career and future'. Further the Induction program was also intended to help students to appreciate the importance of professionalism and values and at the same time establishing healthy bonding within the student community.

Honorable Founder Chairman Er. P. Perumal had an interactive session with the students and during his address he informed the students 'about the various qualities they need to inculcate in themselves in order to become industry ready employees or professional entrepreneurs and thereby do their best service to the society.'
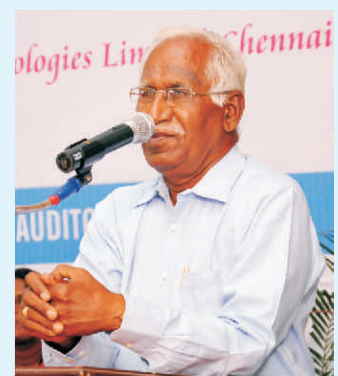
"A common observation in higher education institutions is that students entering higher studies are not fully prepared for college-level education, especially in an academically demanding field such as engineering. To help prepare students better for the transition, and to provide most of the excellent education at PMC TECH, the Institute is starting an induction program" - said Shri. P. Kumar, Secretary and Correspondent of the Institution.

GUEST LECTURES

Sl. No.	Resource Person	Topic	Students Participants	Date
1	Prof. K. Mohankumar, Asst. Prof-ECE, GCE, Bargur	Evaluation of Microprocessor And Microcontroller	Third & Second Year, MCO	04.04.2016
2	Prof.A. Mohan, Associate Professor, Maths, Saranathan College of Engineering, Trichy	Probability and Queuing Theory	Second, IT	01.04.2016
3	Mr. S. Arunkumar, AP – Maths, Saranathan College of Engineering, Trichy	Engineering Mathematics – II	First Year (CSE, ECE, EEE & IT)	26.03.2016 & 27.03.2016
4	Prof. M. Mohan, Associate Professor, Saranathan College of Engineering, Trichy	Engineering Mathematics – II	First Year (AERO, CIVIL, MCO & MECH)	26.03.2016 & 27.03.2016
5	Mr.R. Pandiyan, Managing Director, Alpha Beta Solutions, Madurai	Electromagnetic Theory	Second Year, ECE .	28.03.2016 & 29.03.2016
6	Dr.A.SenthilKumar, Professor - EEE, Vellammal Engineering College	Embedded and Real Time System	Third Year, ECE	22. 3.2016
7	Dr. B. Madhu sudhanan, Manager, Dhumramhate Technology, Bengaluru	Recent Technology in IT	Second &Third, IT	19.03.2016
8	Dr. B. Madhu sudhanan, Manager, Dhumramhate Technology, Bengaluru	Networks in Computing	Second, MCA	17.03.2016
9	Dr.Cyril Prasana Professor-ECE M.S. Engineering College, Bengaluru	VLSI Design for Wireless Communication	Third & Second Year, ECE	16.03 2016
10	Dr. B. Madhu sudhanan, Manager, Dhumramhate Technology, Bengaluru	Some Thoughts in Computing	Third & Second Year, MCO	11.03.2016
11	Prof. A. Thanagaraj Prof-EEE, GCE, Bargur	Discrete Time Systems And Signal Processing	Third & Second Year, EEE	07.03.2016
12	Dr. B. Madhu sudhanan, Manager, Dhumramhate Technology, Bengaluru	Robotics and Automation	Third & Second Year, MCO	04.03.2016
13	Mr. R. Arunagiri, Regional Director, NALTECH, Bangalore	Introduction to Helicopter Technologies and Helicopter Engine Technologies	Second, Third & Final Year, AERO	01.03.2016
14	Dr.B.Madhu sudhanan, Manager, Dhumramhate Technology, Bengaluru	Programming Language	Second Year, CSE	29.02.2016

15	Dr.R.Sakthivel, Co-Ordinator & Director, Research & Development, Vellore Institute of Technology, Vellore.	VLSI Design	Third Year, ECE	26.02.2016
16	Dr. R. Sakthivel, Co-Ordinator & Director, Research & Development, Vellore Institute of Technology, Vellore	Integrated Circuit Design and Verification Using VLSI Technology	Third & Second Year, ECE	26.02.2016
17	Mrs.T. Radhika, Asst. Vice President, CAN BANK Factors, Bangalore	Factoring Services – Finance	First & Second, MBA	18.02.2016
18	Mrs.T. Radhika, Asst. Vice President, CAN BANK Factors, Bangalore	Factoring Services	Second, MCA	17.02.2016
19	Mr. U. Baskaran, Psychologist, Tamilnadu Jail Service, Chennai	Competency Mapping	Second, MBA	10.02.2016
20	Mallikarjuna R Vaggar Associate Professor Visveswaraiah Technology University	Rockets and Missiles	Final Year, AERO	01.02.2016
21	Dr. Krishna Lok Singh Senior Scientist Structural Technologies Division, NAL, Bangalore	"Trends in Aviation propulsion, Composites and Non-destructive testing methods for fatigue and fracture"	Second, Third & Final Year, A ERO	31.01.2016
22	Dr. K. Elangovan is a Technical Director of NAFEMS India Operations, Bangalore.	Project Selection Methodologies in different Domains& Entrepreneurial Perspectives	Second, Third & Final Year, MECH	30.12.2015 & 17.12.2015
23	Dr. K. Elangovan is a Technical Director of NAFEMS India Operations, Bangalore.	Job opportunities in Core companies	Second & Third, MECH	17.12.2015
24	Prof. M. Mohan, Associate Professor - Maths, Saranathan College of Engineering, Trichy	Engineering Mathematics – I	All First Year	19.10.2015 & 20.10.2015
25	Mrs.Padmini Devi M.Kumarasamy College of Engineering, Karur	Theory of Computation	Third Year, CSE	19.09.2015
26	Mr.S.Mahaboob Basha, AP-ECE, Velammal Engg. College, Chennai.	Transmission Lines And Wave Guide & Digital Signal Processing	Third Year, ECE	19.09.2015
27	Prof. M. Mohan, Associate Professor - Maths, Saranathan College of Engineering, Trichy	Transforms and Partial Differential Equations	Second year, IT	14.09.2015
28	Prof. M. Mohan, Associate Professor - Maths, Saranathan College of Engineering, Trichy	Transforms and partial differential equation	Second Year, ECE MCO & EEE	12.09.2015

GUEST LECTURES

29	Rajaguru. K Research Scholar, Proprietor Aerolus Aero Tech Pvt. Ltd., Bangalore.	Aerodynamics	Second, AERO	23.08.2015
30	Mr. R. Jayaraman Senior Engineer EasunReyrolle Ltd., Hosur	Protection and Switchgear	Third & Second Year, EEE	18.08.2015
31	Saravana Kumar. R Stress Engineer Airbus Group, Bangalore	High Temperature Materials	Third Year, AERO	28.07.2015
32	Mr. D. Eregamani Asst General Manager & Head - TQM Carborundum Universal Ltd., (Mururgappa Group)	Awareness Programme on '5S'	Second, Third & Final Year, AERO	11.07.2015
33	Mr. D. Eregamani Asst General Manager & Head - TQM Carborundum Universal Ltd., (Mururgappa Group)	Campus to Corporate	Second, Third & Final Year, AERO	03.07.2015

Industrial Visit to Infosys Technologies, Bengaluru

Industrial Visit to Jamna Automobiles, Hosur

Industrial Visit to Thermal Power Station, Tuticorin

INDUSTRIAL VISITS

Industrial visits are affirmed to be the vital part of Engineering and Management Courses in PMC TECH as this helps to bridge the gap between classroom studies & practical exposures and also to learn about "real life" examples of operations.

PMC TECH has arranged Industrial visits and tours to all the departments, 1550 students of various departments of various years/semesters had an opportunity of visiting various companies as an Industrial visit / Industrial tour.

Department	Company visited	Date	Students	
			Years	Nos
Aeronautical Department	Hindustan Aeronautical Ltd, Bengaluru	02/07/2015	2,3 & 4	51
	Taneja Aerospace & Aviations Ltd, Hosur	26/08/2015	2,3	25
	Indian Space Research Org, Bengaluru	18/03/2016	2,3 & 4	51
Civil Department	Jamna Automobiles, Hosur Kelavarapallipalli WTP and Dam, Hosur	01/07/2015	3 & 4	108
	Olety Constructions, Bengaluru	15/07/2015	3 & 4	108
	Jamna Automobiles, Hosur	27/02/2016	2	51
	Luminous Power Pvt Ltd, Hosur	29/02/2016	3	57
	Ultratech Cements Pvt. Ltd, Coimbatore	18/02/16 & 19/02/2016	3 & 4	108
	ACC Cements Pvt. Ltd, Coimbatore			
Mechanical Department	Shardlow Private Limited, Hosur	09/07/2015	2	141
	TVS Motors Private Limited, Hosur	21/07/2015	3	27
	DDCSM Pvt. Limited, Palakode.	04/07/2015	4	142
	Hindustan Machine Tools, Bengaluru	30/07/2015	2	141
	Hindustan Machine Tools, Bengaluru	31/07/2015	3	138
	KudangulamAutomic Ltd, Kudangulam	09/07/2015	2	62
	HMT, Anna Aluminum, Kerala	16/07/15 to 18/07/2015	4	70
	GD Willer Private Limited, Coimbatore			
	Ashok Leyland Pvt. Limited Unit I, Hosur	26/03/2016	141	2
	IMTEX - Bengaluru	23/03/2016	138	3
Mechatronics Department	Innoforge Private Limited, Hosur	02/07/2015	2 & 3	70
	IMTEX - Bengaluru	23/01/2016	2 & 3	70
	Elecrama, Bengaluru	16/02/2016	2 & 3	70

INDUSTRIAL VISITS

Department	Company visited	Date	Students	
			Years	Nos
ECE Department	EasunReyrolle, Hosur	16/07/2015	2	66
	HMT, Bengaluru	17/07/2015	3 & 4	105
	Digital Circuits, Bengaluru	8&10/7/15	4	113
	Indian Space Research Org., Bengaluru	18/03/2016	2	66
	Elecrama, Bengaluru	16/02/2016	3	105
EEE Department	EasunReyrolle, Hosur	17/07/2015	2	34
	HMT Limited, Bengaluru	16/07/2015	3	72
	Hydro and Thermal Planrts, Mettur	27/08/2015	3	72
	Central Power Research Inst, Bengaluru	17/08/2015	4	61
	Tuticorin Thermal & Papanasam Hydro	20-21/8/15	4	61
	ISRO, Bengaluru	18/03/2016	2	45
	Elecrama, Bengaluru	16/02/2016	3	70
IT Department	CDAC Knowledge Park 1, Bengaluru	06/07/2015	2 & 3	51
	CDAC Knowledge Park 2, Bengaluru	06/07/2015	4	45
	CSIR 4 [th]Paradigm, Bengaluru	10/07/2015	2,3&4	96
	INFOSYS, Bengaluru	05/01/2016	19	2
CSE Department	CDAC, Electronic City, Bengaluru	09/07/2015	2 & 3	90
	CDAC Knowledge Park, Bengaluru	06/07/2015	4	54
	CSIR Super Computer, Bengaluru	10/07/2015	4	54
	Infosys, Bengaluru	05/01/2016	3	50
MCA Department	CDAC Bengaluru	09/07/2016	2	41
	CSIR Super Computer, Bengaluru	10/07/2016	3	40
MBA Department	Securities & Exchange Board, Bengaluru	24/07/2015	2	31
	D Mart marketing, Bengaluru	24/07/2015	2	31
	HMT, Bengaluru	15/11/2015	2	31
	Jamna Automobiles, Hosur	27/02/2016	1	31
	Infosys, Bengaluru	04/05/2016	1	31

AWARDS & RECOGNITIONS

DSIR Recognised Scientific & Industrial Research Organisation (SIRO) for PMC TECH

PMC TECH has been bestowed recognition as **Scientific & Industrial Research Organization (SIRO) by the Department of Scientific & Industrial Research (DSIR), Department of Science & Technology, Government of India** with effect from March 2015. The long and excellent record of research activities at PMC TECH has brought this coveted recognition and it will also make us eligible to apply for research grants at various agencies, and avail exemption in customs duty, central excise duty on purchases related to research.

- **Data Quest Magazine**-India's Best Private T-Schools ranked our Institution in **64ᵗʰ Position** in National Level in its Engineering College's Survey.

- **Carrier 360 – The Education Hub** has recognized **"A+ Grade"** for our Institution for the academic year 2015 - 2016.

- **Indian Institute of Technology (IIT) -** Bombay awarded the **"4 Star Rating"** for PMC TECH, successfully conducting several students and faculty Development Workshops in the academic year 2015 – 2016.

- **Amirta University Virtual Labs - An Initiative of MHRD** Under the National Mission on Education through ICT ranked our Institution at **4ᵗʰ place** using the virtual labs for the effective learning of students.

- Computer Society of India awarded the **"Best Student Branch Award"** for the academic year 2014 - 2015 during National Student Convention Meet on 19th March 2016.

- Computer Society of India awarded the national level **"Longest continuous SBC Award" for the year 2014 - 2015** during 50th Golden Jubilee Annual Convention in the title "Digital Life", at New Delhi held on 02nd to 05th December 2015.

- Infosys Technologies recognized **"Partner in Success 2016"** as "Advanced Partner Institute" statusfor excellent contribution in Infosys Campus Connect Programmeheld on 30th March 2016.

- Venus International Foundation - VIFRA 2015 awarded the **"Outstanding Scientist Award"** for Dr. S. Chitra, Principal of our Institution held on 19th December 2015.

- Indian Society for Technical Education – ISTE awarded the **"Appreciation Award from ISTE for Organizing the Regional Conference - Inspiring Engineering and Technology Innovations"** for Dr. S. Chitra, Principal of our Institution. This award was presented at the 18thISTE TN & P Section Annual Convention for Faculty Members of Engineering Colleges in the theme"Indian Education System: Sustainability and Global Competitiveness" held on 10th December 2015.

- Institution of Engineers – India (IEI), Aerospace Division, Tamilnadu awarded the **"IEI Best Faculty Advisor Award"** for Prof.R.Karthikeyan, HoD of Aeronautical Engineering.

- **Inspire Faculty Excellence Awards – Infosys Technologies** - Mr. A. Mahesh, Mr. C. Sathish, Mrs. N. Shamuga Karpagam, Assistant Professors were recognized with **Silver Level Partnership Certificate** and Mrs. P. Vanathi, Mrs. K. Sasirekha and Mr. V. Kumararaja, Assistant Professors were recognized with **Bronze Level Partnership Certificate** for rolled out 9 Batches of the Foundation Program successfully in which more than 629 students attended the training program out of which 98% of students cleared the online examination conducted by Infosys and received certificate for the same from Infosys.

AWARDS & RECOGNITIONS

- Ministry of New and Renewable Energy (MNRE), United Nations Development Program and Green Life grand's ₹ 56.25 Lakhs for the promotion and use of sustainable energy to implement **"Solar Steam Cooking using Concentrated True Parabolic Dishes"** in our campus.

- Mr. B .Mohanraj, Assistant Professor, Department of CSE, Selected as **Master Trainer (Anna University Instructor-TEQIP) in FSIPD** and Participated in "Foundation Skills in Integrated Product Development [FSIPD]", held at Govt. College of Engineering, Salem in Association with Anna University, Chennai in Conformance with NASSCOM, held on 23rd to 27th November 2015.

- Institution of Engineers - India (IEI), Aerospace Division, Tamilnadu awarded the **"IEI Best Student Award"** Mr. D. Benedict, Final Year student of Aeronautical Engineering.

- Indian Space Research Organisation - ISRO awarded Mr. K.Harish, Fianl year student, Department of CSE for the **"Innovative Ideas in GNSS Design and Application (Right Resolution for the Right Location)"**

- Microsoft Research Committee awarded the **"Innovation Creativity Leadership Award"** for Mr. V.Mokesh Kumar, second year student of EEE.

- Wipro Technologies awarded the regional level for **"Best Project Presentation Award"** titled "Solar Panel Tracker Using LDR Sensor – ULTP Kit" third place in Prakalpa Regiona Competition South -2 zone at Chennai for Mr. V. Rohit Ram of II year CSE & Mr. J. Shanker & Mr. Shabaz of II year ECE.

- Mr. R. Rajavel, of second year Aeronautical Engineering, Ranked as **"Senior Under Officer"** in NCC during the academic year 2015-2016.

- Tamil Nadu e-Governance Agency awarded **Best Sudent Projects "Development of Innovative e-Governance Software Application Competition"** in Krishnagiri District Level on 14th November 2015 & Won Cash Awards, Certification.

Outstanding Scientist Award Received by
Dr. S. Chithra, Principal

Appreciation Award from ISTE for
Organizing the Regional Conference
- Inspiring Engineering and Technology Innovations

RESEARCH & DEVELOPMENT CENTRE's

Innovation and Entrepreneurship Development Center
National Science and Technology Entrepreneurship Development Board (NSTEDB)
Department of Science and technology (DST)

Department of Science & Technology Govt. of India

Promoted in PMC TECH in 2014, with a vision to develop Institutional mechanism to create Entrepreneurial Culture in Science & Technology and to foster techno-entrepreneurship for generation of wealth and employment by science and technology persons.

Students Innovative Projects

The Projects give the space where student's ideas are refined into workable projects that are product-oriented and in order to develop beneficial products of commercial use. Since its inception at PMC TECH, the IEDC has funded a total of 13 student's projects.

List of Proposed Funded Projects for 2015-2016

S. No	Project Name	DEPT	Students Name
IEDC0115	Smart Board Cleaner	ECE	S.Prathish S.Anusha S.Rani S.Shivapriya N.Kartheek
IEDC0215	Fire Resistant Room	CIVIL	M.R.Bharathbabu R.Gokul S.Venugopal B.R.Shanthakumar
IEDC0315	Smart Shopping Basket	IT	Manisha G Nath S. Priya J. Vijaybhaskar
IEDC0415	Wireless Acceleration and Braking System	MCO	Y.Purushotham S.Ravivarma
IEDC0515	Pen drive Enabled with Bluetooth, WIFI and LCD Display	CSE	G.Gomathi J.Shanker N.Radha K.Harish
IEDC0615	Multi - Controller For Modern Horticulture	EEE	P. Gowthamprashanth J. Moorthy S. Parvathi K. Sy mala

Plasma Actuation for Lift Control in Aircraft

INTRODUCTION

In Aircrafts, for efficient flight, the airflow over the wings should be attached to the surface as long as possible. In general, flow attachment is easily distorted by many forces.

SCOPE OF THE WORK

- Plasma technology has been in shelf from the late 1990's since its discovery
- It is still in its infancy and is not a viable source limited by current technology trends
- Superhot plasma is generating 55 MN power. Hence, it not only attaches the flow, adds power to propulsion systems and also acts a shield to adverse weather affecting the flight performance

INNOVATION

- A plasma actuator creates a plasma envelope over the wing
- This causes air to be ionized over the region and cling closer to the surface of the wing, delaying flow separation and increasing the lifting capability of the wing
- It can be applied on all aircraft employed in all aviation mission fields
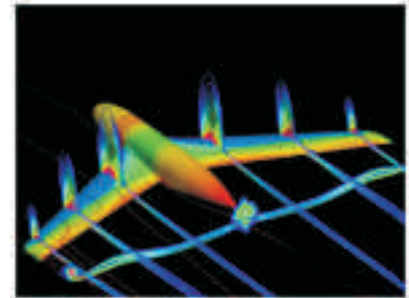
D. Benedict, K.V. Karthikeyan, J. Kiran Rawal, G.N. Shashikumar
Department of Aeronautical Engineering

Mini Crane with Fixed Multiple Pulleys

INTRODUCTION

Cranes play a vital role in construction and manufacturing industries. For the efficiency it is essential to lift the load with minimum effort and minimum loss of power.

SCOPE OF THE WORK

- The existing crane system consists of single pulley to lift the load
- For smaller loads it is satisfactory. But if the load increases, this system will consume more power and effort
- In turn, it may affect the productivity of the sector and the time consumption to carry the load increases

INNOVATION

- Multiple pulley system reduces the effort successfully by sharing the load
- Hence, time taken to handle the load is also decreased
- The maximum load can lug by the designed crane is 180 kg
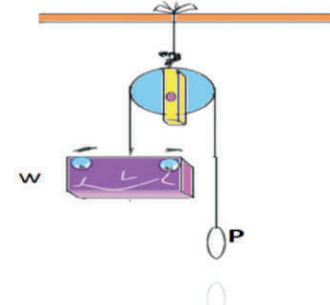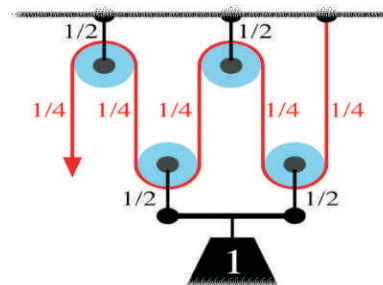
K. Kiruba, J. Kowshik, M. Manikandan, M. Praveenkumar
Department of Mechanical Engineering

Automatic Vehicle Locking System Using Helmet

INTRODUCTION

Most serious and fatal injuries in motorcyclist involve in head. It is found that helmets decreased the risk of fatal head injury by 27% and chance of serious injury by 70%.

SCOPE OF THE WORK

- World health organization founds that the main contributing factors of motorcycle accidents in India is due to unaware of helmets and consumption of alcohol while riding
- Hence a vehicle locking system on said reasons is required

INNOVATION

- This system won' t allow the peoples to start their bike without wearing helmet and in drunk situations
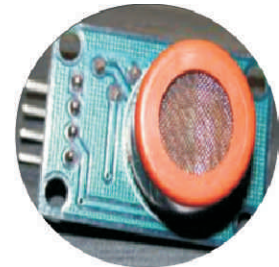- Automated braking system is also used for controlling the speed of the wheels while peoples removing their helmet at driving
- By using this, most of peoples are secured from accidents

PRODUCT DEVELOPMENT COMPONENT USED

- IR Sensor
- Pressure sensor
- Zigbee Transmitter
- Alcohol Sensor

B. Naveena, N. Nethra M. Prema, M. Priyanga
Department of Electronics & Communication Engineering

Insect Trapper

INTRODUCTION

The uniqueness of this product is that it is intelligent to trap insects without affecting human beings by replacing artificial UV light with intelligent LED system.

SCOPE OF THE WORK

- Insects are attracted by the UV radiation emitted from the human body
- The present Electric Flying Insect Catcher uses UV tubes which are harmful to the environment
- It requires 230V power supply to operate
- The UV-light is needed to be ON for the whole working time

INNOVATION

- Artificial UV Light to Multi-color LED programmed to produce similar UV
- Direct 230V power supply to +12V supply which can be recharged
- Works while insects approach the sensor

PRODUCT DEVELOPMENT COMPONENT USED

- Multi-color high power LED
- High sensitive mic circuit
- Micro-controller
- Rechargeable battery
- Suction fan
- Electrical Mesh
- Fabrication Box
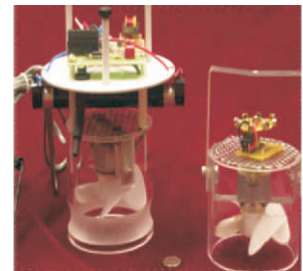
Dinah Lawanya Immunauel, P. Jemima Smith
Department of Electronics & Communication Engineering

Smart Board Cleaner

INTRODUCTION

Most of the Education institution uses Black board system. On erasing the board, dust is a major concern. Classroom and hands gets dirty and sometimes allergies and breathing problem may occur.

SCOPE OF THE WORK

- This unit is a remote controlled smart blackboard cleaning system
- Creates dust free environment inside the class rooms.
- It reduce man power and health issues.

INNOVATION

- A smart board cleaner working through micro controller has been designed
- RF transmitter and receiver is used to access the smart board cleaner from anywhere inside the classroom
- Gear wheels are used for easy movement of the duster rod.
- Spin motors are used by which the bidirectional movement of the duster rod
- Dust particles are absorbed within duster rod
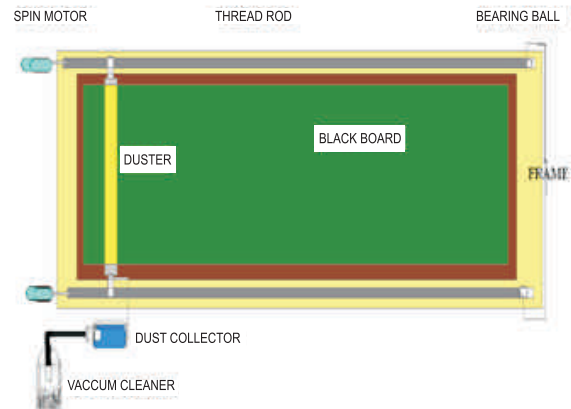
S. Rani, S. Prathish, S. Anusha, S. Shivapriya & N. Kartheek
Department of Electronics & Communication Engineering

Pendrive Enabled with Bluetooth, WIFI and LCD Display

INTRODUCTION

Transferring data to backup devices became a huge problem. It requires PC. So, this system is proposed to eliminate the unnecessary usage of PC for transferring the data from one storage to another.

SCOPE OF THE WORK

- To help Flash Drive Users with a portable and compact device for data transfer the data without using any port.

INNOVATION

- A innovative touch screen LCD pen drive with Wi-Fi and Bluetooth options is achieved
- It can be used directly for data communication from pen drive to pen drive without involving PC or laptop.
- Wi-Fi module - ESP8266 offers a complete and self-contained Wi-Fi networking solution
- USB Flash Module - It is used to interface the memory card over USB

G. Gomathi, J. Shanker, N. Radha, K. Harish & V. Rohith Ram
Department of Computer Science & Engineering

Smart Vessel

INTRODUCTION

In smart cooking, controlling microwave oven involves the food to be kept in the oven for long duration. It leads to food Poison. Hence, instead of oven a smart electric cooker is our need.

SCOPE OF THE WORK

- User is connected to the smart vessel by authentication number stored in the Micro-controller
- Provided user with the feature to control cooking from anywhere
- To establish a smart way to cook

INNOVATION

- This system uses GSM technology for smart cooking
- User can command by means of message through the authenticated SIM number
- It overcomes the disadvantage of controlling at certain distances
- Once cooking is completed acknowledgment will be received on the same number

PRODUCT DEVELOPMENT COMPONENT USED

- ATMEL - 8266 Micro controller
- GSM Tool Kit
- Mechanical Setup
- LCD display

- Temperature Control Sensor
- Timer
- Motor
- Keypad

S. Nandhini, D. Nirosha, B. Sasikala
Department of Computer Science & Engineering

IEDC - Students Demonstrating their Projects

IEDC - Students Awarded with Certificate & Cash prize

Business Incubation Center
Ministry of Micro Small and Medium Enterprises (MSME)
Govt. of India

PMC TECH - MSME Incubation Centre aims to promote development of knowledge based innovative ventures and to improve the competitiveness and survival instincts of the MSMEs. Our Incubation Centre provides to identify and create a favorable eco system for encouraging the **start-ups** and helps by providing them with mentor support, to help in finding customers, influences, investors and other entrepreneurs of same domain. It's a space and community that encourages, supports and fosters new technologies that transform lives and businesses.

Vision

To provide an environment for entrepreneurs to transfer their idea/ innovation into a product/service and become a successful entrepreneur.

Mission

PMC TECH - MSME Business Incubator will create an Eco System

- Which can motivate Entrepreneurs who addresses the social problems in this Territory with their Technology Based Knowledge

- Allows then to share their ideas with common interest groups

- Can support entrepreneurs for their business from startup and guide them to become sustainable.

Services offered

- Registration
- Business plan preparation
- Legal support
- Patenting
- Technical Support
- Internet and Other Basic Facilities

Thrust Areas

- Agri-Tech / Agri-Business
- Energy / Environment Tech.,
- Rural / Social

Current status

- Established with 10,000 Sqft for MSME Incubator Centre.
- Submitted 9 project proposals submitted to MSME for approval.

MSME - Advisory Board Meeting

MSME - Students Presenting their Projects

Infosys Technologies – Campus Connect Programme Centre @ PMC TECH

Campus Connect Programme Centre launched by Infosys Technologies, Bengaluru @ PMC TECH in 2012. Campus Connect Programme is a unique Academia-Industry Initiative to **"Architect the Education Experience"**.

Goal

To build a sustainable partnership with Engineering Education Institutions in India and abroad for mutual benefit; producing **"Industry Ready"** recruits.

Deep Dive Technology: Train The Trainer Programme (TTT)

- **"Python Programming"** held on 27th to 29th April 2016

- **"Design and Implementation of Database using Oracle"** held on 03rd to 05th June 2015

- **"Sprucing up Mobile Applications using Android"** held on 27th to 29th April 2015

Faculty Enablement Program (FEP)

- **"Foundation Program 4.0"** held on 20th to 25th July 2015

- **"Python Programming Fundamentals"** held on 04th to 06th January 2016.

Campus Connect Conclave (CCC)

Principal's Meet @ Infosys Technologies held on 30th March 2016. The CCC brings IT Managers and College Management on the same platform to discuss the need and actions for Academia-Industry Collaboration.

Campus Connect Webinar

"Oracle Database Fundamentals" with hands on training session, students in a virtual room and allow them to share the knowledge and discussed effectively held on19th August to 4th September 2015.

Campus Connect Road Shows

CC Road Show organized @ PMC TECH held on 25thAugust 2015 is to communicate the value and benefits of the campus connect programme to faculty and students

Industrial Visits - Spark Programme @ Infosys Technologies, Bengaluru held on 05th January 2016.

Foundation Program 4.0 (FP) Roll-out

Foundation Program courseware provides a unique set of teaching aids and consolidated training material from Infosys shares with college to enable and make students Industry Ready.

FP 4.0 offers a set of 3 focus area covers essential generic topics:

a. Focus Area - 1: Programming

- Computational Problem Solving

- Object Oriented Concepts using JAVA

b. Focus Area - 2: Database

- Computational Problem Solving

- Object Oriented Concepts using JAVA

c. Focus Area - 3: Software Engineering

- Introduction to User Interface Concepts and Web Technology

- Software Engineering

Infosys Technologies – Campus Connect Programme Centre @ PMC TECH

We trained all pre-final year students under this Programme. Top Performers in this programme is awarded by Infosys.

S. No.	Name	Dept.	OOPS (100)	RDBMS (100)	SE & WT (100)	Total (300)
1	Manisha G Nath	IT	84	83	88	255
2	C. Sathishkumar	MECH	77	82	82	241
3	A. Lakshmi Priya	MCA	79	80	79	238
4	S. Manojkumar	CIVIL	76	81	80	238
5	S. Hindhu Shree	CSE	81	76	80	237
6	P. Malavika	CIVIL	82	84	70	236

Global Resource Centre @ PMC TECH

PMC TECH has gone one step further in its never ending quest of providing its students unparalleled opportunities and a chance of learning skill sets that would make them successful not only locally but also internationally.

The Inauguration of the GRC with the launch of its 'Global Asset' Program was held on the 30th October 2015. Our Founder Chairman Er. P. Perumal, PMC TECH - Group of Institutions and Mr. M. S. Illankumaran, CEO, SKU signed the agreement there by declaring the GRC Open in the august presence of Shri P. Kumar, Secretary & Correspondent, PMC TECH - Group of Institutions.

Inauguration of Global Resource Centre

GRC Impression on

"The core idea of all Skill and Knowledge Unlimited (SKU) programs is to prepare and train the student to be a Globally Effective Resource."

The world today follows a way of thinking, a manner of reasoning, a methodology of seeking, a process of deciding and an order of executing. If our students need to Compete Globally, they will have to be in tune with this virtuous mindset; SKU tunes all participating students to this outlook through its well researched and result oriented programs. Being a GRC, we at PMC TECH globalize our students with scientifically designed SKU programs imparting through highly trained faculty in the online education tools and make sure that the guidance provided is fully available to our students.

MHRD & Amirta University - Virtual Laboratories Universalizing Education Centre @ PMC TECH

Value Virtual Labs is an initiative of the MHRD, Government of India under the National Mission on Education through Information and Communications Technology (NME-ICT).

Objective:

- Provide remote access to Labs in various disciplines of Science and Engineering with IIT's of India.

- This would help them in learning basic and advanced concepts through remote experimentation and provide a complete Learning Management System around the Virtual Labs

- Share costly equipment and resources, designed for 24 X 7 usage and provides wider & safer options for innovative experiments through this Virtual Lab.

Broad Areas of Virtual Labs

- Electronics & Communications
- Computer Science & Engineering
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Civil Engineering
- Physical Sciences
- Chemical Sciences

Highlights of Virtual Labs

- Accessing 120+ Labs from IIT's of India

- **Our Institution is placed at 5th position in India on Virtual Lab Usage.**

Remote Accessing with Laboratory of IIT's

e - Governance Projects Done @ PMC TECH

Tamil Nadu Government e-Governance Agency (TNeGA), Directorate of e-Governance, Department of Information Technology invited various e-Governance projects with the objective of making all Government services, wherever feasible, accessible to the common man in an efficient and transparent manner. Our students are take part for the **"Development of Innovative e-Governance Software Application Competition"** in Krishnagiri District Level on 14th November 2015 and won Cash Awards, Certification and forwarded to the state level selection for the **"Hon'ble Chief Minister Award for Excellence in E-Governance for Students"**.

E-Ration Card Service to Eradicate Corruption

OBJECTIVE

E-Ration service people can apply and obtain ration cards and also check the availability of food grains and their cost online. This will help in ending the corrupt practice of holding back rations and ensuring that the cards reach the needy with increase transparency in the system.

INNOVATION

- The family members can make use of this smart card to get the commodities/ration products and to know the details of ratio products.
- The machines will be Internet-linked to the department's centralized database to enable supply officers to monitor every retail transaction and verify the stock position at PDS depots and warehouses.
- The ration items will be effectively delivered to the valid ration card holders who are below poverty line.
- The main advantage here is that the customers get their rightful entitlement in terms of quantity using smart card.

TEAM MEMBERS:
S. NandhaKishore, R. Vignesh, S. Rajkumar, J. Moorthi, K. Sridhar, of III year EEE &
B. Sreesha, A. Sangeetha, K. Tamilselvi, of Finalyear CSE

(Won 1st Prize - Cash Award, Certificate and Nominate to the State Level Selection Process)

Students receiving Best Projects Award from Krishnagiri District Collector

E-Grievance Redressal System

OBJECTIVE

The traditional approach to Grievance Redressal, handled through letters and complaint forms. A traditional Grievance Redressal mechanism is complex to follow. In Order to overcome these problems, designed a project called e-Grievance Redressal System, which is useful for public to share their problems and complaints directly with the collector through e-governance.

INNOVATION

- Digital India is an initiative of Government of India to integrate the government departments and the people of India
- It aims at ensuring that the government services are made available to citizens electronically by reducing Paperwork
- To add this statement "Digital India" more effective, we addressed the system called e-GRIEVANCE (online complaint system)."MAKING IT EASY TO MEET YOUR DUTY AND TOMANAGE PETITIONS"
- The person also get the acknowledgment for their compliance as hard copy and can follow the status in e-Governance Redressal system.

TEAM MEMBERS:
**F. Antony, M. Sivaraj, M. Vinoth, R. Vidya, J. Shanker, K. Priyadharshini,
& V. Yeswanth, Third & Final year students of CSE.**

(Won 2nd Prize - Cash Award, Certificate and Nominate to the State Level Selection Process)

E-Scholarship Viewer

OBJECTIVE

Educational Scholarships, a financial aid given to a student that does not have to be repaid. But, Scholarships are not given for financial need alone. It is given to a students based merit in academic, athletic ability, has some special ethnic or other characteristic. To address this problem designed to maintain a server called Scrutinizing server. Through this scheme the government and non-government organization can scrutinize the students details meanwhile the students also can check their scholarship status.

INNOVATION

- This project is maintain the record of students who getting the scholarship from non-government organization and government organization.
- It provides the best to enhance to the government to find which students is get scholarship in NGO and GO.
- If the student is benefited by the scholarship more, than the government is allocated it can be scrutinized by this project so government can minimize the amount, will useful to reduce the great loss of government .

TEAM MEMBERS:
**Kirthika. R, Reethu Singh. E, Jayarani. P, Dhivya. A, Vignesh. R &
Jayakumar. J, Final & Third year Students of B. TECH. - IT**

(Won 3rd Prize - Cash Award, Certificate and Nominate to the State Level Selection Process)

IIT Bombay - Spoken Tutorial Centre @ PMC TECH

The Spoken Tutorial Centre promoted by IIT Bombay is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.

OBJECTIVE

Become a leading light to contribute to the National Mission to make India IT literate and promote the use of Open Source Software.

PMC TECH, will be take part of an IT revolution and contribute to spread awareness amongst students, teachers and other individuals of society. Below is the list of courses offered at this center are:

- Basic IT Skills Package
- Ascend
- BASH
- Blender
- C and C++
- Advanced C
- Advanced C++
- Firefox
- GChemPaint
- GeoGebra
- GIMP
- Inkscape
- Java and Netbeans
- Java Business Application
- Jmol Application
- KTurtle
- LaTeX&XFig
- LibreOffice Suite
- Linux & Ubuntu
- BOSS Linux
- OpenFOAM
- Oscad- now eSIM
- Perl
- PHP & MySQL
- Python
- QCAD
- Scilab
- Ruby
- Joomla
- Bio-Python

- Typing Software - KTouch & TuxTyping
- Utility Software/Application - K3B & Thunderbird
- Screen-reading software for the Visually Impaired - Orca

No. of Students Certified from Spoken Tutorials Centre – FOSS (IIT – Bombay)	
Learner's Certificate	200 Students
Completion Certificate	58 Students

Inauguration of Spoken Tutorial Center - FOSS

IIT Bombay - E - Yantra Robotics Centre @ PMC TECH

E - Yantra sponsored by MHRD under the National Mission on Education through ICT program an initiative by IIT Bombay. PMC TECH that aims to create the next generation of embedded systems engineers with a practical outlook to help provide solutions to some of the real world problems.

E-Yantra Robotics Competition

Our students are take part in this competition and abstracts of real world problems assigned as "themes" and implemented by them using the robotic kits.

A Novel Approaches of Double Gesture method for Spybot

INTRODUCTION

- Gesture recognition enables and it interfaces the humans and robotics. Current techniques include emotional, hand and facial recognition.
- It plays a key role to understand human body language than the primitive interfaces. Thus the gap between human and robots are to be bridged for using single gesture.

SCOPE OF THE PROJECT

- In earlier days the speech recognition evolved as an up gradation of the past work to communicate with machineries but it has a drawback of standardization of commands due to voice rate, language and pitch of different users.
- The researchers proposed vision based communication included gesture recognition through camera to provide information to the robots.

INNOVATION

- Gesture recognition is to recognize the motion of the humans by hand gesture and facial expressions.
- Here, a novel approaches in spybot is to be programmed with a double gesture command signal and navigate according to hand gesture or facial expressions are to be sensed by a video camera in limited range varied depends on the camera.

TEAM MEMBERS:
S. Kiran, P. Kavetha & K. Anitha
Third Year Students of ECE

Double Gesture method for Spybot using Robotics

Intellectual Automation System - LPG Gas Leakage Identifier

Intellectual Home Automation System

INTRODUCTION

- In recent year's vicious crimes and power consumption is high in major developed cities. To overcome these problems, many automation process are involved. But it does not fulfill the requirements to overcome these problems and power generation.
- The fire hazards caused due to the leakage of LPG gas leads to environmental damage and also costs human beings.

SCOPE OF THE PROJECT

- In the past days, the security system has been developed such as thumb impression and retina scanning which is being used in most of the popular cities. . It can be overcome by using face detection process.
- At present, the energy requirement is very high due to the development of large scale industries and due to the usage of electrical appliances in home which consumes more power.

INNOVATION

- The security system and the automation processes done by using ARM processor and drivers. Power is generated using the solar panel for the basic energy required for the home appliances.
- The automation process such as security system, temperature detection and gas detection can be done by using ARM processors. The power saving can be done by using sensors and using LED lamps.

TEAM MEMBERS:
**B. Basavaraj, H. Elagovan & S. Sreesailesh
Second Year Students of EEE**

A Novel Fire Combat Altigator for Remote Location

INTRODUCTION

- This project is actually proposed to reduce the loss of human life and their belongings due to fire accidents. In many fire accidents, human interruption is not possible in the in depth region such as remote areas, interior of building and petro oil plant.
- For this phenomenon, a novel technique fire combat altigator system proposed to control the critical firing area and recover.

SCOPE OF THE PROJECT

- Drone is a flying robot. They are controlled by autonomously or handheld wireless remote with help of software. Basically drone used for surveillance, monitor and aerial photography applications.
- Mostly they operate different sizes depends upon the applications. Drone size based payload carrying capacities varied.

INNOVATION

- The novel new approach is the fire rescue operation and monitoring. Here, drone is moves into the firing region which sense the flames and spray the payload
- It starts to spray the fire extinguisher powder/deodorant at the fire spot.

TEAM MEMBERS:
**P. Rubasree, G. Nandhini & V. Vinith
Third Year Students of ECE**

Wipro Technologies - Mission 10X Technology Learning Centre (MTLC) @ PMC TECH

Mission10X Technology Learning Center (MTLC) @ PMC TECH is a Wipro Technologies initiative to enhance the Engineering attributes of the Engineering graduates through Project Based Learning (PBL). PMC TECH gain hands-on exposure in advanced technologies and gives them the experience of working in real time to make them industry-ready.

Mission10X Engineering Faculty Workshop - A three–day's experiential workshop for engineering faculties was organized in foundation by Mission10X from 14th to 16th March 2016 by Mr. Bhuvan Sundar, Wipro Technologies, Bengaluru.

UTLP Expert Workshop - five days workshop held on 24th to 28th August 2015 at Wipro Technologies, Bangalore.

List of Projects done at MTLC for 2015 - 2016

Solar Panel Tracker Using LDR Sensor - UTLP Kit

INTRODUCTION

While a majority of the world's current electricity supply is generated from fossil fuels such as coal, oil and natural gas etc. In order avoid the shortage of electrical energy we are moving to moving to solar power generation. It has emerged as one of the most rapidly growing renewable sources of electricity.

SCOPE OF THE PROJECT

- A solar panel which is static for instant 45° (east/west) will only take the light irradiation w/m² at the first 90° or the end 180° therefore the maximum power for the solar panel does not occur.
- The sun is moving 180° from east to west so the light irradiation is varied due to the rotation cycle of the earth.
- An automated tracking system which detects the sun during daylight.
- Use PLC to move the motor clockwise or counterclockwise.

INNOVATION

- Works like Artificial Intelligence
- This project is focused to develop and build an Automated Solar Tracking System (ASTS).

TEAM MEMBERS:
V. Rohit Ram, J. Shanker & M. Shabaz
Second Year Students of CSE & ECE

Students showcase their Projects
@ Prakalpa Regional Competition South - 2 Zone
at Wipro Technologies

" Won Second Prize "

Water Irrigation using UTLP Kit - Based on Automatic System

INTRODUCTION

An automatic irrigation system which switches the pump motor ON/OFF on sensing the moisture content of the soil. In the field of agriculture, use of proper method of irrigation is important. The advantage of using this method is to reduce human intervention and still ensure proper irrigation.

SCOPE OF THE PROJECT

- Microcontroller which is programmed to receive the input signal of varying moisture condition of the soil through the sensing arrangement
- An op-amp as comparator which acts as interface between the sensing arrangement and the microcontroller.
- The controller receives this signal, it generates an output that drives a relay for operating the water pump

INNOVATION

- Reduce the water consumption by determining the moisture of the irrigation land.
- Utilizing the energy for operation, reduce power consumption.
- Automatic valve regulation system to limit the flow of water by sensing land moisture.
- Reducing human work by irrigation based on automated system.

TEAM MEMBERS:
V.S. Manjunath, R. Santhakumar & Sankarapu Harish
Final Year Students of ECE

GPS – GSM Based Tracking System using UTLP Kit

INTRODUCTION

Tracking systems are mostly used by fleet operators for tracking a vehicle location, routing and others. This is a very good method for preventing our vehicles from stolen. This tracking system sends us the geographical coordinates and by using these coordinates we can track our vehicle position on electronic maps using internet.

SCOPE OF THE PROJECT

- Track the location of your Vehicle
- Minute-by-minute updates about vehicle location by sending sms through GSM modem
- Microcontroller gets the coordinates from GPS modem and then it sends this information to the user in Text SMS. SMS contains longitude and latitude of the location of vehicle

INNOVATION

- Theft Protection: This project can be very useful when your vehicle or car is stolen
- GPS Receiver for Location Information
- GSM Modem/Mobile phone for remote communication
- Local alarm/alert system in case of accident situations

TEAM MEMBERS:
H. Karthikeyan, M. Lokeswaran & M. Pradeep
Second Year Students of CSE

Fire Alerting System in Forest Using UTLP Kit

INTRODUCTION

Forest is considered as one of the most important and indispensable resources and Forest fires represent a constant threat to ecological systems, infrastructure and environmental aspects of a community, Forest Fire Detection is a very important issue in order to overcome that automatic surveillance or monitoring of fire withwireless sensor networks of any fire threat.

SCOPE OF THE PROJECT

- Wireless sensor networks as a potential solution to the challenge of early detection of forest fires.
- The device presented makes use of various sensors attached and wireless data transmission, to fulfill.
- These collected data are transmitted to the small satellite and the satellite transmits the data to the ground station.

INNOVATION

- Maximum time automatic detection of smoke visible: 2 minutes
- Automatic differentiation of clouds and smoke
- Day and night detection
- No smoke detection zones and permanent disturbing

TEAM MEMBERS:
M.Shehebaz Hasan, S.Suhil, S.Sridhar & S.E.Ranjith Kumar
Final Year Students of ECE
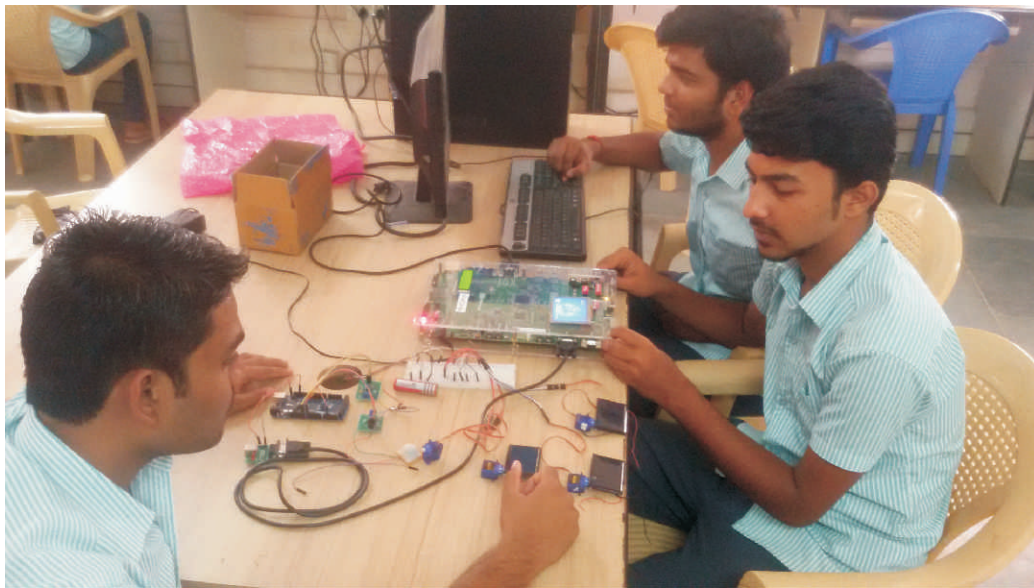
Students Developing Projects at MTLC Center

IIT – Bombay – Aakash Project Centre @ PMC TECH

PMC TECH is a R&D partner with IIT Bombay as **"Aakash Project Centre"** to develop new educational applications on Aakash Tablet and effective ICT tool for students and teachers, which has funded through National Mission on Education through ICT (NMEICT) supported by MHRD, Government of India. 300 Tablets are used for Various applications development activities involved our students in this centre are:

- Embedded Applications - Third Year Students of Department of Information Technology

- Applications for Programming - Department of Information Technology

- Content Development / e-Book Development - Department of Information Technology

- Interactive Applications for e-Learning - Department of Information Technology

- Game Based e-Learning Applications

- Smart Books

- Quiz Apps, e-Assessment Tools

- Learning Apps for Kids

- GPS Location Information

- RSS Feed

Project Development at Aakash Project Centre

STUDENTS COUNSELING CENTRE

PMC TECH has a Student Counseling Centre that offers supportive and conducive environment for any student with personal issues or challenges to seek help and guidance from expertise counselors.It provides various opportunities to acquire new skills & knowledge, develop their personality development.

- Motivational Speech was held on 18th October 2015 for all first year students by Dr. S.N.Sivanandham, Emretius Professor, Karpagam University.

- Communication Skills was held on 16th March 2016 for all CSE & IT students by Dr.B.Madhusudhanan, Dhumara Mahate Pvt. Ltd., Bengaluru.

- Communication Skills and Personality Development was held on 16th March 2016 for all ECE & EEE students by Dr. Cyril Prasanna Raj P., M.S. Engineering College, Bengaluru.

- Motivational Speech was held on 21st March 2016 for all AERO, CIVIL, MECH & MCA students by Dr. S.N.Sivanandham, Emretius Professor, Karpagam University.

TECH EXPO - 2016 @ PMC TECH

PMC TECH has been organizing TECH EXPO exhibition every year showcasing the creative and innovative projects of its students designed and developed in the areas of Engineering and Technology. The current year TECH EXPO - 2016, a fair of 2 days event from 24th and 25th February 2016,

"Highlighting of "TECH EXPO - 2016"

- 600 top notch project presentations by our students and 82 from other surrounding institutions.

- The exhibition has witnessed gathering of about 9000 students from Government & Private Schools and College students.

TECH EXPO - 2016 Prize Winners

S. No.	Title of the Project	Team Members	Department	Year	Prize
1	Staircase Climbing Wheel by Using Battery	R. Murali, R. Rahul, M. Prasath & M. Meganathan	MECH	III	I
2	Biogas Digester	Jawahar Surya & S. Karunagaran	MECH	I	II
3	Wireless Auto Power Trip During Gas Leakage	A. Rama Moorthy, C. Mani, M. Mani, M. Suresh & P. Arun Kumar	EEE	III	III
4	Easy Trolley-Mate	C. Sandeep Kumar, R. Divakar, G. BabuManjubargava & N. Vinod Kumar	MECH	III	III

INDEPENDENCE DAY CELEBRATION

PMC TECH celebrated the **69th Independence Day** on 15th August 2015 with hoisting of the National flag of India by Honorable Founder Chairman of the Institution in the College Campus. Followed by, the Students and staff of PMC TECH group of Institutions comprising Matriculation School, Industrial School, ITI, Polytechnic, Engineering College.

ENGINEERS DAY CELEBRATION

Honoring the achievements and contribution towards the country by Sir Mokshagundam Visvesvaraya, PMC TECH celebrated Engineer's day on 15th of Sep. 2015. The birth anniversary of legendary as **"National Engineers Day"**. Our Institution students takes part in various events such as Drama, Poem, Elocution, Essay Writing, Project Exhibition and Chart display etc.

"Scientists come up with great ideas and Engineers put those ideas into practice for the benefit of Mankind."   *- Our Honorable Chairman*

NATIONAL EDUCATION DAY CELEBRATION

Our Institution celebrated **National Education Day** on the 11th of November 2015 to commemorate the birth anniversary of Moulana Abdul Kalam Azad the first Education Minister of Independent India. Greeting the occasion Dr. S. Chitra, Principal said "The objective of celebrating National Education Day should be to strengthen our educational institutions and to raise the quality of education to greater heights."

REPUBLIC DAY CELEBRATION

PMC TECH celebrated the 67th Republic Day in all its solemnity and grandeur, hoisting the National Flag in the Campus. Honorable Founder Chairman greeted the occasion, complemented the parade teams and motivated the students by making them aware of the importance of the day with a statement that "The feeling of patriotism and the pride for our nation doesn't lessen or change, no matter which part of the world we are in." He urged everyone to do their best and feel proud to be Indians.

WOMEN'S DAY CELEBRATION

Women members of PMC TECH with great zeal and passion on 8th of March 2016 celebrated Women's Day.

"A holistic balance, patience, perseverance, multitasking abilities, communication and analytical skills have enabled women employees to have a fair share of PMC TECH's success"

- Smt. P. Mallar, Managing Trustee

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
1	Dr. S. Chitra, Principal	Synchronous Fire Fly Algorithm for Cluster Head Selection in WSN	The Scientific World Journal, Article ID 780879, Impact factor :1.524 October 2015
		Wireless Sensor Network to Cyber Physical Systems: Addressing Mobility Challenges for Energy Efficient Data Aggregation Using Dynamic Nodes	Article in Press, Sensor letters Annexure-I 7658, November 2015
2	Mr. R. Karthikeyan, HOD / Aeronautical Engineering	Study of Co-axial and Tran axial compressive loads on Rigid Puf / Glass / Jute / Bamboo / Hybrid Sandwich Structures	Asian Journal of Chemistry, Scopus Indexed journal ISSN-0975-427X, April 2016
		A study on airfoil characteristics of a rotor blade for wind tunnel	International Journal of Advanced Technology in Engineering, Vol 03, Issue 1, ISSN No;2348-7550, PP NO 657-653 Mar 2015
		Vehicle Aerodynamics Design – Technical Seminar	ACS Engineering College, Bengaluru, 14th & 15th March 2016
3	Mr. S. Janakiraman, HOD / Information Technology	A review on: Currency Processing Schemes and Stretched Security for E-commerce	National Conference on Social Implications of E-Business in India, 18th March 2016
4	Mr. M.Sahithullah HOD / Electronics & Communication Engineering	Shunt Active Filter Using Cuckoo Search Algorithm For PQ Conditioning	International Conference on Circuits, Power and Computing Technologies, Noorul Islam University, March 2016
		Shunt Active Filter Using RBFNN Algorithm For PQ Conditioning	International Journal of Appload Engineering & Research, ISSN NO 0973-4562 AII page no: 9602 to 9607 vol 10, October 2015
		Shunt Active Filter Using RBFNN Algorithm For PQ Conditioning	National Conference on Innovative Strategies in Renewable Energies and its Applications, 5th & 6th March 2015
		A Hybrid Control Strategic to Control Active Filter and Improve The PQ of Non Linear Load	Australian Journal of Electrical and Electronics Engineering (Scopus Journal), 23rd January 2015

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
5	Mrs. G. Shasikala HOD / Electrical & Electronics Engineering	Unified power flow controller for reactive power compensation based on reference frame theory	International Journal of Modern Trends in Engineering and Research, Volume 03, Issue 1, January 2016
		Research Methodology with Emphasis on Engineering Science – Technical Seminar	Excel College of Engineering, 30th January 2016
		Design of transformer Less Active Buck Boost Inverter for AC Application- Technical Seminar	Selvam College of Engineering, 02nd & 03rd March 2016
6	Mrs. P. Sumathi, HOD/ Computer Science Engineering	Balancing Privacy and Utility in defect Prediction by Privatization Algorithm	International Journal of Innovative Research in Computer and Communication Engineering, August 2015
7	Mr. P. Rajasekaran HOD/Mechanical Engineering	An Investigation of Dynamic Analysis in Gear Tooth profile modification of Spur Gear using Ansys	International Journal of Advanced Engineering Technology (E ISSN 0976 - 3945), April 2016
		An article on investigation and performance analysis with tooth profile modifications of Spur Gear using Ansys	International Journal Engineering Research and Technology (IJERT) ISSN - 2278-0181, March 2016
		An article study of Sliding Wear Rate of Hot Rolled Steel Specimen Subjected to Zirconia Coating Of Various Thickness	International Journal Engineering Research and Applications ISSN: 2248-9622,VOL 6,ISSUE 2,(PART 3) PG 87-92, February 2016
8	Mr. D. Thivyaprasad, HOD – I/C Mechatronics	Step up DC-DC Impedance Source Network Based PMDC Motor Drive	International Journal of modern Trends in Engg. and Research (IJMTER), Impact Factor : 1.711, Jan- 2016
		Artificial Intelligence Based Liquid Level Control Of Coupled Tanks Using Fuzzy Logic Controller	International Journal of Latest Trends in Engineering & Technology, Impact Factor : 1.8, October 2015

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
9	Dr.S.Ravi HOD-Master of Business Administration	A Study on Employee Welfare Measures with Reference to Small Scale Industries at Hosur, Tamilnadu	International Journal of Scientific Research, Vol.5, Issue. 1,pp 89-91, ISSN:2277 – 8179, 2016
		A Study on Training and Development Needs of MBA Students in Krishnagiri District	Shanlax International Journal of Management, Vol.3, Special Issue.4 (Vol-1), pp 94-101, ISSN:2321-4643.,2016
		The Performance of Micro Finance in India; A Review	Shanlax International Journal of Management, Vol. 2, Issue.3,pp 1-11, ISSN: 2321-4643,2015
		Editor in Emerging Trendsin Management and Technology	Shanlax Publications Madurai, ISBN 978-93-85977-05-3, Since March 2015
		Disaster management and its impact in global issues the edited volume titled Role of Management Education in Promoting Entrepreneurship in the Globalised Business Environment Volume-I	Periyar University, Periyar Institute of Management Studies, ISBN 978-93-5254-673-2, Since October 2015
		Green Initiatives in Indian Constructions the edited volume titled Emerging Trends in Management and Technology	Shanlax Publications, Madurai, ISBN 978-93-85977-05-3, July 2015
		Workshop on NBA Accreditation	Govt. Engineering College, Hassan in Collaboration with FELIP, Bangalore , 05th to 07th November 2015
10	Mr. M. Inbavalli, HOD-Master of Computer Applications	Multi Attribute Density Estimation Based Location Selection Approach in Multi Agent Disease Prediction Model for Decision Support System Using Diagnosis Pattern and Data Mining	Middle-East Journal Of Scientific Research(MEJSE), vol.24, issue 1,pp.65-72, February 2016
		Multi Agent Probabilistic Inference Model for Distributed Decisive Support system based on Fuzzy Rule Sets Using Data Mining	International Journal of Applied Engineering and Research(IJAER), vol.9, no.22, pp.15949-15957, October 2015
		A Literature Study of Data Mining Techniques Algorithms and Applications	International Journal of Applied Engineering and Research (IJAER), vol. 10

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
11	Dr. SP. Prabakaran, Assistant Professor / Physics	Third International Conference on Transformations in Engineering Education	College of Engineering, Pune, 08th to 12th Jan- 2016
		Two Week ISTE Sponsored Coordinator Workshop on Engineering Physics	Indian Institute of Technology, Bombay , January 2016
12	Dr. S. Jayakumar, Assitant Professor / Chemistry	The synthesis and Photophysical studies of Quinoxaline derivatives- Synthesis of Quinoxalines as Cu (II) and Pb (II) ion fluorescent sensors I	International Journal Of Frontiers In Science And Technology. November 2015
		Engineering Chemistry I	KKS Publishers, July 2015
		Engineering Chemistry II	KKS Publishers, Dec- 2015
13	Dr. R. Sankar Ganesh, Assistant Professor / MBA	WHS791x: Technical Communication for Scientists and Engineers	An Online learning initiative of Indian Institute of Technology Bombay at 08th to 18 October 2015
14	Mr. R. Naveen Kumar, Assistant Professor / Aeronautical Engineering	Study analysis of Fiber Composites for alternatives to wing Fabrication	International Journal of Structural Engineering (ASCE), November 2015
		Vehicle Aerodynamics Design – Technical Seminar	ACS Engineering College, Bengaluru 14th& 15th March 2016
15	Mr. J. John Paul, Assistant Professor / Aeronautical Engineering	Fabrication and Experimental analysis of pineapple leaf fiber based composite material	ICRAMET/JCHPS, Volume 1, Issue 9,ISSN No 0974-2115, April 2015
		Study analysis of DBD Plasma Actuator on Steel and Aluminum	Shanlax International Journal of Management, March 2016
		Foundation Skills in Integrated Product Development (FSIPD)	Quest Global, Bengaluru 23rd to 27th November 2015
16	Mrs. N. Bhavya, Assistant Professor / Aeronautical Engg.	Study analysis of DBD plasma Actuator on Steel and Aluminum	Shanlax International Journal of Management, March 2016

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
17	Mrs. S. Bairavi, Assistant Professor / Aeronautical Engineering	Design and stress analysis of aircraft wing RIB with different cutouts	International Journal of Latest Trends in Engineering and Technology, March 2016
		Stress analysis of aircraft wing RIB	National conference on Automation Building , Flying Machine and Mechanical Sciences, 24th March 2016
18	Mr. P. Parthiban, Assistant Professor / Civil Engineering	Vehicle Aerodynamics Design – Technical Seminar	ACS Engineering College, Bengaluru, 14th& 15th March 2016
19	Mr. A. Mahesh, Assistant Professor / Computer Science Engineering	Recovering From a node failure in wireless sensor actor Networks with minimal topology changes	International Journal of Application in Science and Technology, September 2015
20	Mrs. N. Shunmuga Karpagam, Assistant Professor / Computer Science Engineering	Unstructured Data into Intelligent Information Analysis and Evaluation	International Journal of Innovative Research in Computer and Communication Engineering, March 2016
		Analysis of Big data Issues using SP theory of Intelligence	International Journal of applications in science , Engineering and Technology, Vol 1, Issue 2, 2015, November 2015
21	Mrs. V. Keerthika, Assistant Professor / Computer Science Engineering	A Novel variation on the Non local means algorithm for demising of contrast enhanced MR images	CIIT International Journal. Volume5 September 2015
22	Mr. N. Venkatesh, Assistant Professor / Computer Science Engineering	Literature survey on Scable effective audit service for storage data in clouds	International Association of Engineering and management, August 2015
		Efficient of effective audit services for cloud data storage	International Journal of Application in Science and Technology, July 2015
23	Mrs.P.Anlet Pamila Suhi, Assistant Professor / Computer Science Engineering	A Fuzzy Ontology Based Automatic Video Content Retrieval	IJAIR, Volume 2, Issue 12 December 2015

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
24	Mr. B. Mohan Raj, Assistant Professor / Computer Science Engineering	Appliance Creation And Optimization In Cloud	International Journal of Research in Engineering (IJRET), October 2015
		FDP Conducted on FSIPP	University College of Engineering, Nagercoil, 26th to 30th March 2016
		TTT on "Python Programming"	Infosys Technologies, November 2015
25	Mr. T.Godhandaraman Assistant Professor / Computer Science Engineering	FEP on Foundation Program 4.0	Infosys Technologies, 9th to 13th November 2015
26	Mrs. A. Kavitha Assistant Professor / Electronics & Communication Engineering	Design and Development of Autonomous Ground Vehicle for Wild Life Monitoring	International Journal of Innovative Research in Computer and Communication, Aug- 2015
		Trainers Training Program for Quality Circle Concepts, Problem Solving Tools & Techniques	Quality Circle Forum of India, 16 September 2015
27	Mr. S. Prasana Venkatesan Assistant Professor / Electronics & Communication Engineering	A Novel Approach of Modified Parasitic Antenna for WiMAX	International Journal of Advanced Research, Special Issues, Vol 2, Jan 2015
		PAPR and ICI Reduction in MIMO – OFDM over Multipath Fading Environment	European Journal of Scientific Research, Vol 2, Sept 2015
		A Novel Low Power VLSI Design for DSP Processor	National Conference on recent trends in engineering and technology on KSRIET, 7 to 10th December 2015
28	Mrs. C. Steffi, Assistant Professor / Electronics & Communication Engineering	Selectivity of Optimal Value in Color Filter Arrays	Emerging Trends in Information and Communication" James Engineering College 3rd & 4th December 2014
29	Mrs. J. Christy Reshma, Assistant Professor / Electronics & Communication Engineering	A NBIT tolerant Power Gating Architecture for pMOS	CIIT International Journal of Wireless Communication, May 2015
		Workshop on Embedded Architecture	Hosur Institute of Technology and Science, August 2015
		National conference on "An energy efficient UV ray water purifier "	Remote Sensing and Satellite Communication, conference on RSSC 2015,

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
30	Mrs. S.Pavithra, Assistant Professor / Electronics & Communication Engineering	National conference on "Agricultural Robotics "	National conference on Innovation in Engineering and Technology, Narasu'ssarathy institute of technology, 1st April 2016
		Workshop on NPTEL	Alliance University Bangalore, 5th Sep- 2015
31	Mrs.A.Judithvisuvasam Assistant Professor / Electronics & Communication Engineering	National conference on "Automatic Plant irrigation using moisture sensor using MIMO technology "	National conference on Innovation in Engineering and Technology, 1st April 2016
32	Mrs. S. Meena Kumari, Assistant Professor / Electrical & Electronics Engineering	Research Methodology with Emphasis on Engineering Science – Technical Seminar	Excel College of Engineering, 30th January 2016
33	Mr. S. Devaraj, Assistant Professor / Electrical & Electronics Engineering	Unbalanced and over current fault protection in low voltage dc bus micro grid systems	International Journal of Modern Trends In Engineering And Research, Volume 03, January 2016
		Faculty Development Programme on Entrepreneurship	PSG-Science & Technology Entrepreneurial Park (PSG-STEP), 09th to 19th Dec 2015
34	Mr. T. Senthil Kumar, Assistant Professor / Electrical & Electronics Engineering	Research Methodology with Emphasis on Engineering Science – Technical Seminar	Excel College of Engineering, 30th January 2016
35	Mrs. L. Maheswari Assistant Professor / Electrical & Electronics Engineering	Adaptive PI Control Based Three Phase Three Level Shunt Active Power Filter for PQ Conditioning	International Journal Of Modern Trends in Engineering and Research, Volume 02, August 2015
36	Mr. S. Senthil Kumar Assistant Professor / Mechanical Engineering	Capacity Building programme on Business Incubation	EDI Chennai -PSG-Science & Technology Entrepreneurial Park (PSG-STEP), 3rd December 2015 to 18th March 2016 (8 Days)
		Workshop on Quality Initiatives in Technical & Higher educational Institutions through accreditation and assessment (Preparation for accreditation by NBA)	Government Engineering College, Hassan in collaboration with FELIP, 5th - 7th November 2015

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
37	Mr. R. Balaji, Assistant Professor / Mechanical Engg	Celebrating climatic change action in manufacturing industry	Hosur Industrial Association with IIT, 23rd February 2016
38	Mr. Rajesh. S Assistant Professor / Mechanical Engineering	Study of thrust Force and Surface Roughness in Drilling of Al 2219/B_4C/Gr Hybrid Composite using Statistical Techniques	National conference on Automation Building Flying Machine & Mechanical Science, 24th March 2016
		NPTEL Awareness Workshop	Alliance University Bangalore, 5th Sep- 2015
39	Mr.A. Guruvendrakumar, Assistant Professor / Mechatronics	High Power Density based Single Phase PWM Rectifier with Active Ripple Energy Storage	International Journal of Research in Engineering & Advanced Technology, IF: 2.317, March 2015
40	Mr. C. Sathish, Assistant Professor / Information Technology	A review on: Currency Processing Schemes and stretched security for E-Commerce	National Conference on Social Implications of E-Business in India, 18th March 2016
		Principal Meet - 2016	Infosys Technologies, 30th March 2016
		Faculty Development Programme on Entrepreneurship	PSG-Science & Technology Entrepreneurial Park (PSG-STEP), 09th to 19th Dec 2015
		Infosys Campus Connect Inspire 2015	Infosys Technologies, July 2015
41	Mrs. P. Vanathi Assistant Professor / Information Technology	Weighted Rule Mining for Web Logs based on Systolic Tree to extract frequent patterns using FPGA	International Journal on Applications in Science, Engineering & Technology, Volume.1, December 2015
42	Mrs. X.Ignatius Selvarani Assistant Professor / Information Technology	A Novel variation on the Non local means algorithm for demising of contrast enhanced MR images	CIIT International Journal. Volume:5 September 2015 ,
43	Mrs. A. Maheshwari Assistant Professor / Information Technology	Enhancing secured information in online social network by text classifier	International Journal of Innovative Research in Computer and Communication Engineering, Volume 2, December 2015
44	Mr. V. Kumararaja, Assistant Professor / Information	Implementation of miner algorithm for finding infrequent item set from frequent pattern	Journal of Advanced Engineering Research, Volume 2, Issue 2, July 2015

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
45	Mr.M.Suresh, Assistant Professor / Physics	Synthesis, growth, structural, spectral, thermal and micro hardness studies of a new hydrogen bonded organic nonlinear optical material : L-Valinium p-toluenesulfonate monohydrate(LVPT)	Journal of Molecular Structure, February 2016
		Synthesis, growth and characterization of a new hydrogen bonded organic tosylate crystal: i-alaninium p-toluenesulfonate for second order nonlinear optical	Springer journal December 2015
		Investigations on Spectroscopic, optical, thermal and dielectric properties of a new NLO material: L-Histidinium p- toluenesulfonate (LHPT)	OPTIK-International Journal for light & Electron optic October 2015
		Engineering Physics II	Wake up Publications, December 2015
		Physics Laboratory	VK Publishers, July 2015
		Third International Conference on Transformations in Engineering Education	College of Engineering, Pune, 08th to 12th January 2016
		National Nodal Centre Conference	Amrita Vishwa Vidyapeetham University, 09th September 2015
46	Mr. S. Umashankar, Assitant Professor / English	Two Week ISTE Sponsored Coordinator Workshop on Technical Communication	Indian Institute of Technology, Bombay , 24th to 28th August 2015
47	Mr. A. F. Sheik Hakkani, Assistant Professor / Master of Computer Applications	Security Key Management and Authentication Scheme for Wireless Sensor Networks	Journal published in Asian Research Publishing Network (ARPN) Journal of Engineering and Applied Sciences, Vol.10, Page No.4, March 2015 ISSN 1819-6608, May 2015
48	Mr. R. Rajesh, Assistant Professor / MBA	NPTEL Workshop by IIT Madras	Er.Perumal Manimekalai College of Engineering, 20th to11th November 2015
		WHS791x: Technical Communication for Scientists and Engineers	An Online learning initiative of Indian Institute of Technology Bombay at

Faculty Publications

Sl. No.	Name of the Faculty	Name of the Publications / Events	Name of the Publisher / Organization / Institution
49	Mr. R. Kadhirvel, Assistant Professor / MBA	A study on performance appraisal of employees with special reference to IT sector, Bangalore	Periyar University, Periyar Institute of Management Studies, ISBN 978-93-5254-673-2, November 2015
50	Mr. J. A. Raja Assistant Professor / MBA	A Study on Employee Welfare Measures with Reference to Small Scale Industries at Hosur, Tamilnadu	International Journal of Scientific Research, Vol.5, Issue. 1,pp 89-91, ISSN:2277 - 8179, Jan 2016

Civil Exhibition - "You Too Can Build A Quality House"

"You Too Can Build A Quality House" - An awarness programme and exhibition jointly organized by **Department of Civil Engineering, PMC TECH & Ultratech Cements Ltd**. was held at Meera Mahal, Hosur on 01.05.2016.

The event was held d to promote awareness on critical points, methods and techniques to build a quality house among the public. Twenty four stalls were showcased, each emphasizing different aspects of building from site selection, foundation, flooring , masonry works, plumbing to painting, building a green and energy efficient house. Over 500 people visited the event and gathered information from the students, Department of Civil Engineering of PMC TECH. Prizes were awarded to the best stalls of the exhibitor.

S. No.	Title of the Project	Team Members	Department	Year	Prize
1	Flooring	M. Kathiravan , M. Sugumar, D. Geetha & K. R. Manju Yadav	CIVIL	III & II	I
2	Earthquake Resistance Construction	V. Sathishkumar, S. Sunil, B. R. Shanthakumar, P. Renuka & G. Sangeetha	CIVIL	III & II	II

STUDENTS ACCOMPLISHMENTS

S.No.	Student Name	Name of the Contest / Title of the Project	Institution / Organization Name	Date
1	K.G.Vinith Third Year AERO	Won 2nd Prize in the Paper presentation - "Coin based Mobile charger"	Priyadharshini Engineering College	30th April 2016
2	Malathy.R, 2nd Year, ME – AERO	Six Months Internship Program	Gas Turbine Research Establishment (GTRE), Benglauru	March 2016
3	Ajith Kumar.K, 3rd Year AERO	Technical Workshop on Vehicle Aerodynamics Design	The Indian Institution of Engineers - India	14th to 16th March 2016
4	Ummidi Sai Manikanta, 3rd Year AERO	International Fleet Review - 2016	Organized by Indian Navy, Visakhapatnam	2nd to 10th February 2016
5	C.Lidiya Mercy K.Ahalaya, 4th Year CSE	Won 3rd Prize in the event of Paper Presentation @ PHANTASM'16	Govt.College of Engineering, Bargur	March 2016
6	R. Bhavani, V. Madhivanan, S. Anusha, K. Jeevitha, N. Mookambika, P. Kavipriya, T. Devika, M. Devika, V. Gowri Manogari & S. Deepa, 3rd Year ECE	Workshop on web hacking and international creativity leadership	Organized by ISRO	20th March 2016
7	K. Anitha, P. Kavetha, C. Lavanya, 3rd Year ECE	Automatic Plant irrigation using moisture sensor using MIMO technology	National Conference on Innovation in Engineering and Technology, NSIT.	20th March, 2016
8	S. Devi, S. Bhakiya & S.P. Aishwarya Babu 3rd Year ECE	MIMO Technology	National Conference on Innovation in Engineering and Technology, NSIT.	1st April 2016
9	S.Kiran, 3rd Year ECE	Agricultural Robotics	National Conference on Innovation in Engineering and Technology, NSIT.	1st April 2016
10	V. Madhivanan, 3rd Year ECE	Workshop on Web Hacking	Kaashiv Infotech, Chennai	24th September 2015
11	Jeevitha K Moogambika N Deepa S Anusha S, 3rd Year ECE	Won 1st prize in National level Tech Expo " Coin based Mobile charger"	Varuvan Vadivelan Institute of Technology	16th March 2016

STUDENTS ACCOMPLISHMENTS

S.No.	Student Name	Name of the Contest / Title of the Project	Institution / Organization Name	Date
12	N. Yashashvini B.R. Sushmitha M. Vishnupriya A.P. Harshitha R. Kalaivani A. Ashika P. Suja 2nd Year ECE	Workshop on Web hacking and international creativity leadership	Organized by ISRO	20th March 2016
13	G. Gowtham Raj Final Year EEE	Won 3rd Prize in the Short Film& Won 2nd Prize in Technical Quiz - "SAQQARA - 15"	Mahendra Engineering College	04th September 2015
14	K.Kirankumar Final Year EEE	Won 2nd Prize in the Paper presentation - "DYNAFESTI-15"	Erode Sengunthur Engineering College	12th September 2015
15	S.Dinesh Kumar Final Year EEE	Won 2nd Prize in the Paper presentation - "DYNAFESTI-15"	Erode Sengunthur Engineering College	12th September 2015
16	K.Kirankumar Final Year EEE	Won 1st Prize in the Fun event -"DYNAFESTI-15"	Erode sengunthur Engineering College	12th September 2015
17	Anitha.V Third Year E&I	Won 1st Prize in the event Paper Presentation - "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
18	Syamala.K Third Year E&I	Won 1st Prize in the event Paper Presentation - "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
19	B.Aasha Third Year EEE	Won 2nd Prize in the event Word Shuffle - "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
20	B.Aasha Third Year EEE	Won 2nd Prize in the event Technical Quiz – - "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015

STUDENTS ACCOMPLISHMENTS

S.No.	Student Name	Name of the Contest / Title of the Project	Institution / Organization Name	Date
21	P.Divya Priya Third Year EEE	Won 2nd Prize in the event Technical Quiz – "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
22	M.Poornima Third Year EEE	Won 2nd Prize in the event Word Shuffle – "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
23	M.Thiruveni Third Year EEE	Won 1st Prize in the ADZAP& Won 2nd Prize in Brain Strom – "ELETRYONZ-15"	Govt.College of Engineering, Bargur	15th September 2015
24	K.Sabarinathan Final Year EEE	Won 1st Prize in the Paper presentation – "HENOSIS-15"	Dr. N.G.P. Institute of Technology	19th September 2015
25	S.Srinivasan Final Year EEE	Won 1st Prize in the Paper presentation – "HENOSIS-15"	Dr. N.G.P. Institute of Technology	19th September 2015
26	R. Jagan Premkumar Third Year MCO	Won 2nd Prize in the Circuit Builder& Won 2nd Prize in Trusherhunt	Govt. College of Engineering, Bargur	16th September 2015
27	M.Babu Third Year MCO	Won 2nd Prize in the Circuit Builder	Govt. College of Engineering, Bargur	16th September 2015
28	R.Vinod Kumar, 3rd Year Mech	Won 3rd Prize in the Paper presentation "Easy Trolley Mate"	Venkateswara College Of Engineering	7^{h} March 2016
29	L.Naveen Kumar, 3$_{rd}$ Year Mech	Won 1stPrize in the Paper presentation "stair climbing wheel chair"	Jay Shriram Group Of Instutions	11th March 2016
30	M.Murali, 3rd Year Mech	Won 3rdPrize in the Paper presentation" Easy Trolley Mate"	Srinivasa College of Engineering	7th September 2015

STUDENTS ACCOMPLISHMENTS

S.No.	Student Name	Name of the Contest / Title of the Project	Institution / Organization Name	Date
31	R.Murali, 3rd Year Mech	Won 1st Prize in the Paper presentation "180 Degrees Four Wheel Rotating System"	SVS College Of Engineering	7th January 2016
32	S.Balaji, 3rd Year Mech	Won 2nd Prize in the Paper presentation" 4-Way Hacksaw"	SVS College of Engineering	7th January 2016
33	K.Babamahaboob, 3rd Year Mech	Won 1st Prize in the Paper presentation" Portable Multibolt Remover And Tighter"	Jay Shriram Group of Intuitions	11th March 2016
34	K.Bharath, 3rd Year Mech	Won 1st Prize in the Paper presentation" Power Generation Using Highway Windmill"	Jay Shriram Group of Intuitions	11th March 2016
35	P.Gopipraveen, 3rd Year Mech	Won 3rd Prize in the Paper presentation" Portable Multibolt Remover And Tighter"	Jay Shriram Group of Intuitions	11th March 2016
36	Rahul, 3rd Year Mech	Won 1st Prize in the Paper presentation" Staircase Cilmbing Wheel By Using Battery"	SNS College of Engineering	2nd March 2016
37	E.Prasanth, 3rd Year Mech	Won 2nd Prize in the Paper presentation" Multi Operating Weeding Machine"	SNS College of Engineering	2nd March 2016
38	M.Manigandan, 4th Year Mech	Won 1st Prize in the Paper presentation" Trending Portable Agro Machine	Sri Sairam Engineering College	11th March 2016
39	N.Poovarasan, 4th Year Mech	Won 2nd Prize in the Paper presentation " Mini Wind Mill"	SRM Valliammai Engineering College	17th December 2015
40	N.Poovarasan, 4th Year Mech	Won 2nd Prize in the Paper presentation" Portable EDM Machine"	Gojan College of Business and Technology	12th September 2015
41	G.Lokesh, 4th Year Mech	Won 1st Prize in the Paper presentation" Vaccuum Forming Machine"	Coimbatore Institute of Technology	8th January 2016
42	G.Lokesh, 4th Year Mech	Won 1st Prize in the Paper presentation" Vaccuum Forming Machine"	Sengunthar College of Engineering	11th February 2016

STUDENTS ACCOMPLISHMENTS

S.No.	Student Name	Name of the Contest / Title of the Project	Institution / Organization Name	Date
43	G.Lokesh, 4th Year Mech	Won 1st Prize in the Paper presentation" Vaccuum Forming Machine"	Government College of Engineering Bargur	18th February 2016
44	B.Balasubramanian, 4th Year Mech	Won 2nd Prize in the CAD MODELLING	Sengunthar College of Engineering	11th February 2016
45	B.Balasubramanian, 4th Year Mech	Won 1st Prize in the Paper presentation" 3D Print in 3D Model"	Sengunthar College of Engineering	11th February 2016
46	U.Vasanth, 4th Year Mech	Won 3rd Prize in the Paper presentation" Brain Wave Controlled Robots"	Kongunadu Engineering College	15th February 2016
47	R. Kumar, 3rd Year MCA	Won Datawind Tablet Prize	ICTACT - Leadership Summit, Coimbatore	23rd September 2015
48	S. Geethajali, 3rd Year MCA	Won 3rd Prize in Paper Presentation in TECHSTROM '15 - Symposium	Govt. Arts College, Krishnagiri	12rh September 2015
49	G.Chandrasekar K.Chandramohan, 3rd Year MCA	Won 2nd Prize in Poster Design in TECHSTROM '15 - Symposium	Govt. Arts College, Krishnagiri	12rh September 2015
50	M. Prabhakaran M. Perumal R. Gnanasekar K. Abdul Malik S. Chandrasekar, 3rd Year MCA	Won 2nd Prize in ADZAP in TECHSTROM '15 - Symposium	Govt. Arts College, Krishnagiri	12rh September 2015
51	R. Divya R. Girija, 3rd Year MCA	Won 1st Prize in Codevita in TECHSTROM '15 - Symposium	Govt. Arts College, Krishnagiri	12rh September 2015

DEPARTMENT OF TRAINING & PLACEMENT

Co-ordinators: Mr. M.S. Krishnan, Manager - Institute Industry Interaction Cell, Mr. R. Rajesh, Asst. Professor / MBA
Mrs. R. Vijaya Shanthi, Ms. G. Deepika & Ms. R. Subha - Assistant Professors

Training Cell of PMC TECH is committed to provide professional training to Students so that they acquire employability skills to an extent to be industry ready on the lines and requirements of the corporate sector.

Some of the noteworthy training activities of the institution are:

Module 1 (For 1st Year Students)	Module 3 (For 3rd Year Students)
• Personal mentoring sessions • English language improvement, Math techniques and aptitude tests. • Meditation, Yoga, Memory, Motivation, Communication, attitude development.	• Critical reasoning, Email writing, resume writing, interviews. • Problem solving techniques, quantitative aptitudes, online tests. • Group discussions, One to one doubt clearing, topic wise discussions.
Module 2 (For 2nd Year Students)	**Module 4 (For 4th Year Students)**
• Personal mentoring sessions • Logical reasoning, Data interpretation and verbal ability. • Public speaking, Presentations skills, Communication and aptitude trainings.	• Company specific tests including online tests of NASSCOM etc. • Mock Interview, Interviews confidently, HR rounds, Technical rounds. • Advanced sessions on group discussion, interview handling specific focus. • Improving aptitude, personality, communication and making industry ready.

DETAILED STATISTICS OF TRAINING TO STUDENTS

S.No	Date	Year	Program	Details of Resource Person(s)
1	24 to 27.06.2015	I B.E/B.TECH IT, MCA	New Comers Preparatory Training	Training by Inhouse Trainers
2	18 to 27.06.2015	IV B.E/B.TECH IT.MCA	Placement Preparation Training	Training by Inhouse Trainers
3	24 & 25.07.2015	II B.E ECE, CSE	Power of Success Training Program	Mr. Ragunath, Relax Training Organisation
4	27 & 29.07.2015	II B.E EEE, II MCA, IIMBA		
5	31/07& 01.08.15	II B.E MCO, AERO		
6	03 & 04.08.2015	II B.E MECH A & B, CIVIL		
7	06.08.2015	IV B.E/B.TECH IT.MCA	TCS Code Vita Contest	Online assessment test
8	19 to 22.08.2015	IV B.E AERO,MECH, MCA,CIVIL	Perceptual Orientation Workshop	Mrs. Revathi, SEED Training
9	24 to 27.08.2015	IV B.E CSE, ECE,EEE, B.TECH IT		
10	18 to 22.09.2015	II B.E CSE, IT, EEE, ECE		
11	25 to 29.09.2015	II B.E MECH, AERO,MCO, CIVIL		

DEPARTMENT OF TRAINING & PLACEMENT

12	10.10.2015	IV B.E/B.TECH IT.MCA	NAC -NASSCOM Online Test	Online Test for job entry
13	07.09.2015	I ,II, III BE/BTech IT/MCA/MBA	IIT Bombay Spoken Tutorial	Software - value added trg
14	01.02.2016	IV B.E/B.TECH IT.MCA	APT Interview Preperations	Arvind for CUIC-CTS/Infosys
15	31/1to 10.02.16	IV B.E/B.TECH IT.MCA	Interview Preperation- CUIC	Awareness & Preperation
16	03.02.2016	IV B.E/B.TECH IT.MCA	Costuco Online Assessment	Online Test for job entry
17	09 to 12.03.2016	III B.E CSE, ECE/ B,TECH IT,	Perceptual Orientation Workshop	Mrs. Revathi & her team, SEED Training
18	14 to 17.03.2016	III B.E MECH A& B, CIVIL		
19	18 to 22.03.2016	III B.E AERO, MCO, EEE		
20	09 to 17.01.2016, 15 to 17.02.2016, 22 to 24.02.2016, 09 to 11.03.2016	IV B.E(ECE&CSE) / B.TECH IT. MCA	NASSCOM (Iprimed Training)	Placement Preparatory Training
21	11.02.2016	IV B.E/B.TECH IT.MCA	JETKING - Jobfair preliminary	Logical, Apt & Technical test
22	03.03.2016	IV B.E/B.TECH IT.MCA	Techruit - Preliminary	Online Aptitude Tests
23	27.02.2016	IV B.E/B.TECH IT.MCA	Smart Job fair preliminary	Online Assessment Test

Training Session on "Perceptual Orientation Workshop"

DEPARTMENT OF TRAINING & PLACEMENT

Placement Cell explore all the possibilities to invite reputed Companies for Campus Drive and also encouraged the students to participate in Off Campus / Walk-in-Drives of prominent Companies to enable them to get right job in right companies before they pass out.

PLACEMENT STATISTICS - 2016

| No. of Final Year Students	No. of Companies for Campus Drives	No. of Students Placed	Salary Package
576	34	468	₹ 1,20,000 to ₹ 4,80,000

PLACEMENT DAY - 2016

Er.Perumal Manimekalai College of Engineering (PMC TECH), Hosur celebrated its **"Placement Day 2016"** on 13th March 2016. Er. P. Perumal founder chairman of the institution congratulated the placed students, advised them to be in the active part of alumni association after leaving the institution and while in services explore the possibility of getting job for others.

Placement Day Function - 2016 & Distribution of Job Offer Letters to the Students

OUR ESTEEMED RECRUITERS
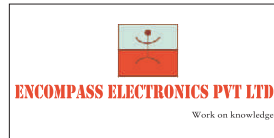
Total Students Placed in 2016 - 468 Students

CTC from ₹ 1,20,000 to ₹ 4,80,000 Lakhs

INSTITUTION SOCIAL RESPONSIBILITY

PMCTECH group of Institutions is established in the rural area with all sophisticated infrastructure, with an ultimate vision to provide quality education to all the sections of society especially rural. Viewing this as an important role played by the institution, it has further taken various general initiatives for the benefit of the Society at large:

Civil Expo - "You too can Build a Quality House"

Blood Donation Camp

Eye Camp

Veterinary Camp

அகப்பொறி - வாழ்வியல் வழிகாட்டி

தமிழ்ப்பேரவை

INFRASTRUCTURE PHOTOS

PMC TECH - Engineering Main Block

West Block

East Block

Boys Hostel

Internet Café

INFRASTRUCTURE PHOTOS
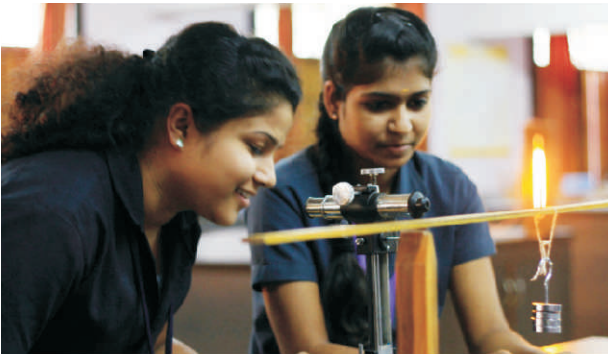

AERONAUTICAL LAB

COMPUTER LAB

EMBEDDED SYSTEM LAB

EEE LAB

MANUFACTURING TECH LAB

3D PRINTER LAB

PHYSICAL LAB

LIBRARY

PMC TECH
INSPIRE TO INNOVATE

Er. PERUMAL MANIMEKALAI POLYTECHNIC & ENGINEERING COLLEGE
(An ISO 9001:2008 Certified Institutions)

SALIENT FEATURES

- Excellent Infrastructure
- Committed Faculty with Innovative Teaching Methodology
- Incredible MoU's with Industries
- Research Initiatives and funds from Govt. agencies
- Pioneering life skills Training
- Meticulous Training on Employability
- Accomplishing Placements
- Global Connectivity through Wi - Fi & Online Study Material
- Separate Hostels for both Boys & Girls
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