

PILLAI COLLEGE OF ENGINEERING
Dr. K.M. VASUDEVAN PILLAI'S CAMPUS
NEW PANVEL – 410 206.



ANNUAL REPORT 2018-19



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Message from the Principal

Dear Students,

Welcome to Pillai's Group of Institutions. I am delighted that you have chosen Engineering as your profession and pleased even further that Pillai College of Engineering is your chosen pathway to the career of your dreams.

The career opportunities for engineering graduates in this era of globalisation are immense. It is imperative that students are fully prepared to take advantage of these opportunities. The four years that you will spend on this course will develop all the skills that you will need in your professional life. PCE will make every effort to create the perfect environment for you to hone required professional skills. One's personal initiative will become vital in order to make full advantage of extracurricular activities and social opportunities available at PCE.

With the number of educational institutions growing increasingly, India is poised to take full advantage of the globalisation process. Pillai College of Engineering is equipped to meet the growing national demand of knowledge professionals offering both Bachelors and Masters level study programs in various disciplines to cater to the requirements of modern industry.

I assure you that your engagement with Pillai College of Engineering in the coming years will be enriching experience for you. These years of higher education will prove vital to your professional growth as co-curricular activities help you to become a well-rounded personality. Our goal is to continue to prepare a future generation of engineers who are innovative leaders and creative problem solvers. PCE is committed to the utmost satisfaction of students, their parents and potential employers.

I am confident that with the contemporary education and strong moral values at PCE, you will march ahead triumphantly to capture all glory and success in your professional, social as well personal life. I wish you all the best for your career. Thank you for entrusting us to shape your career.



Introduction

Vision & Mission

Vision

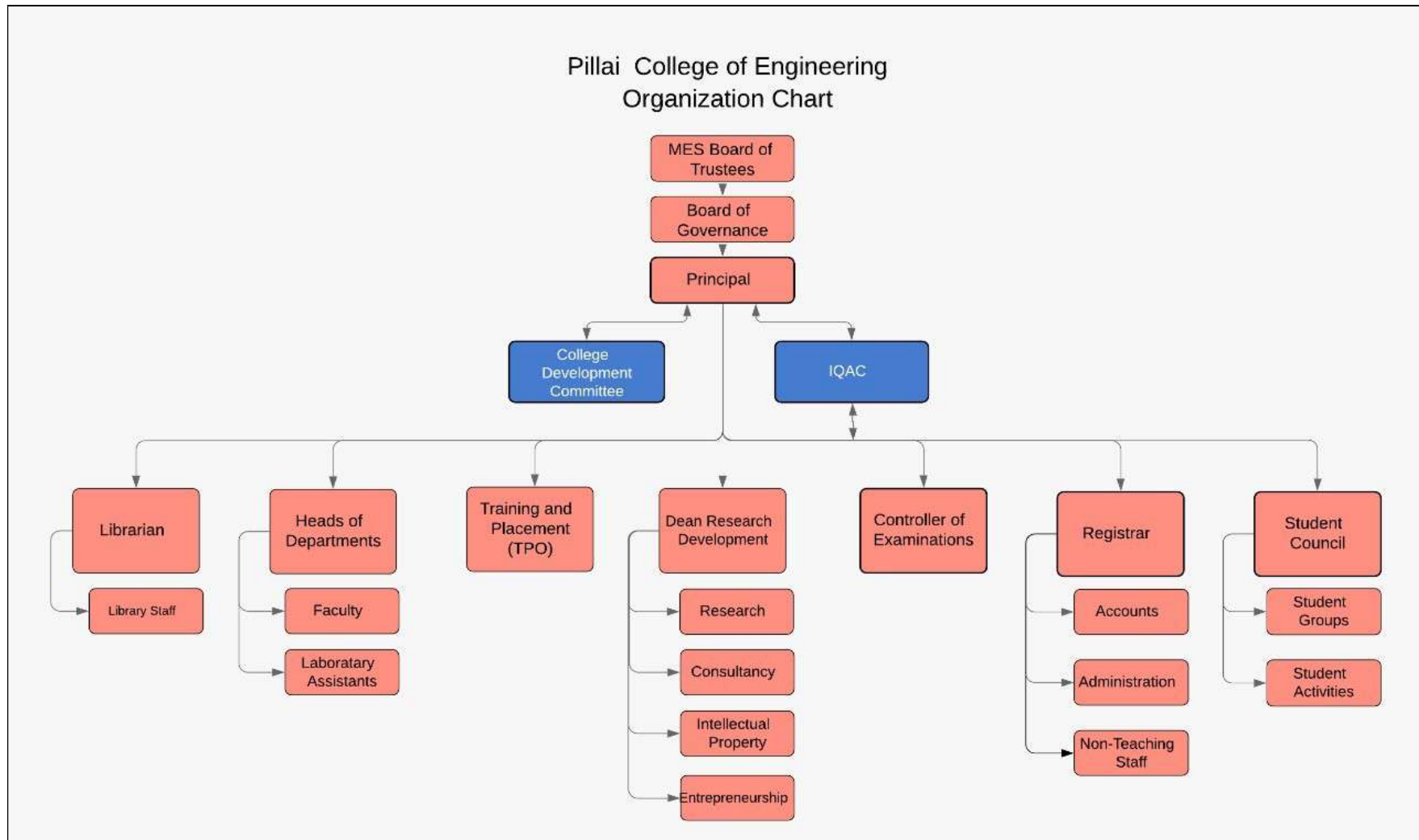
Pillai College of Engineering (PCE) will admit, educate and train a diverse population of students who are academically prepared to benefit from the Institute's infrastructure and faculty experience, to become responsible professionals or entrepreneurs in a technical arena. It will further attract, develop and retain, dedicated, excellent teachers, scholars and professionals from diverse backgrounds whose work gives them knowledge beyond the classroom and who are committed to making a significant difference in the lives of their students and the community.

Mission

To develop professional engineers with respect for the environment and make them responsible citizens in technological development both from an Indian and global perspective. This objective is fulfilled through quality education, practical training and interaction with industries and social organizations.



Organization Structure





Board of Governance

Name of the Member	Status of Committee Member
Dr. K.M. Vasudevan Pillai	Chairman
Dr. (Mrs) Daphne Pillai	Member
Dr. Priam V. Pillai	Member
Mr. Franav Pillai	Member
Prof. Munawira Pillai	Member
AICTE Representative	Member
DTE Representative	Member
University Representative	Member
Mr. Kamlesh Bafna	Member
Mr. Maruti Bapu Pawar	Member
Mr. Satish Shetty	Member
Mr. Sanjay Bishnoi	Member
Dr. M. Sasikumar	Member
Dr. Bernard Menezes	Member
Mr. Pramod Jadhav	Member
Mr. Pramod Sadarjoshi	Member
Mr. Tushar Pradhan	Member
Prof. P.S. Goyal	Member
Dr. Nivedita Shreyans	Member
Prof. Pragnesh N. Shah	Member
Dr. Sandeep M Joshi	Member Secretary



College Development Committee Members

Name of the Member	Status of Committee Member
Dr. K.M. Vasudevan Pillai	Chairman
Dr. (Mrs) Daphne Pillai	Member
Dr. Dhanraj Tambuskar	Member
Dr. Shavari Govilkar	Member
Mr. Pragnesh N. Shah	Member
Prof. Monika Bhagwat	Member
Dr. Sachin Wani	Member
Mr. P. Kumaran	Member
Dr. Bernard Menezes	Member : Educationist
Mr. Maruti Pawar	Member : Industrialist
Dr. P.S. Goyal	Member : Researcher
Mr. Dharmaraj Solanki	Member : Social Service
Mr. Saish Oak	Member : GS 2017-18
Mr. Shrey Jakmola	Member : TS 2017-18
Dr. Sandeep Joshi	Member Secretary



Finance and Accounts Committee Members

Name of the Member	Status of Committee Member
Dr. K. M. Vasudevan Pillai	Chairman
Dr. Daphne Pillai	Member
Dr. Priam V. Pillai	Member
Mr. Murali Nair	Member
Mr. Alexander George	Member
Mr. P. Kumaran	Member
Dr. Sandeep M Joshi	Member Secretary



Department Budget Committee Members

Name of the Member	Status of Committee Member
Dr. Sandeep Joshi	Chairman
Dr. Dhanraj Thambuskar	Member
Ms. Divya Padmanabhan	Member
Ms. Sharvari Govilkar	Member
Dr. Satish Varma	Member
Dr. Madhumita Chatterjee	Member
Prof. R.H. Khade	Member
Mr. Pragnesh Shah	Member
Dr. Avinash Vaidya	Member
Dr. Manju Pillai	Member
Dr. Arun S Pillai	Member
Dr. Malavika Sharma	Member
Mr. Alexander George	Member
Mr. P. Kumaran	Member Secretary



Anti Ragging Committee Members

Name of the Member	Status of Committee Member
Dr. Pillai Arun	Convenor
Dr. Dhanraj Tambuskar	Member
Dr. Sharvari Govilkar	Member
Dr. Pillai Manju	Member
Dr. Sachin Wani	Member
Dr. Biswajit Panda	Member
Prof. Talikoti Basavaraj	Member
Prof. Pragnesh Shah	Member
Prof. Nitnaware Prashant	Member
Prof. Mrs. Monika Bhagwat	Member
Prof. Nikam Ravindra	Member
Prof. Apeksha Chavan	Member
Prof. Maheshkumar Kudre	Member
Prof. Renjita Gaonkar	Member
Ms. Kaneej Fatima Khan	Member : Female Students Representative
Mr. Kunal Vijay Kshirsagar	Member : Male Students Representative
Ms. Devika Jayakumar Nair	Member : Female Students Representative
Mr. Abin Thomas Chacko	Member : Male Students Representative
Mr. P. Kumaran	Member Secretary



Anti Ragging Committee Squad

Name of the Member	Status of Committee Member
Prof. Bhagwan More	Member
Prof. Anup Vanage	Member
Prof. Dipti Nair	Member
Prof. Archana Ingole	Member
Prof. Kamini Chowdhari	Member
Prof. Arun Raju	Member
Mr. Rajesh Pillai	Member
Mrs. Seema Pillai	Member
Mr. Sangeeth Mhatre	Member
Mr. Krishna Kumar	Member
Ms. Asha Dinesh Kotian	Member
Mr. Balvinder Jit Singh Saini	Member



Internal Complaints Committee /Anti Sexual Harassment Committee

Name of the Member	Status of Committee Member
Dr. Manju Pillai	Presiding Officer
Mrs. Sharvari Govilkar	Member
Mr. R.H. Khade	Member
Mr. P. Kumaran	Member
Dr. Divya Padmanabhan	Member
Mrs. Sonali Nikam	Member
Mrs. Seema Nair	Member: Rep of Non Teaching Staff
Ms. Nair Devika Jayakumar	Member : UG Student Representative
Ms. Vivitha Vijayan	Member : PG Students Representative
Ms. Mimi mariam Cherian	Member : Research Scholars Representative
Mrs. Shobha Sapkal	Member : Class IV Representative
Mrs. Mamta Anil Patil	Member : NGO Euridite Education Mission
Mrs. Leena Potdar	Member Secretary



Students Grievance Redressal Committee

Name of the Member	Status of Committee Member
Dr. Manju Pillai	Chairperson
Dr. D.P. Thambuskar	Member
Dr. Arun Pillai	Member
Prof. Prashant Nitnaware	Member
Prof. Ajit Saraf	Member
Prof. Archana Ingole	Member
Prof. Meeta Vedpatak	Member
Mrs. Seema Nair	Member
Mr. P. Kumaran	Member Secretary



Prevention of Atrocities to SC ST Committee

Name of the Member	Status of Committee Member
Prof. Nitnaware Prashant	Chairman
Dr. Dhanraj Thambuskar	Member
Prof. R.H. Khade	Member
Prof. Sharvari Govilkar	Member
Prof. Ravindra Nikam	Member
Prof Sweta Komalkar Waghmare	Member
Mr. Shibi Thomas	Member
Ms. Seema Nair	Member
Mr. Kokane Tushar Ganapati	Member : Male Student Representative
Ms. Dhodi Snehal Arvind	Member : Female Student Representative
Prof. More Bhagawan Supadu	Member Secretary



Library Committee

Name of the Member	Status of Committee Member
Dr. Arun Pillai	Member
Dr. Satish Varma	Member
Prof. Onkar Sahasrabudhe	Member
Mr. Shailesh Verma	Member
Mr. P. Kumaran	Member

Attendance Monitoring Committee

Name of the Member	Status of Committee Member
Dr. Sharvari Govilakr	Member
Dr. Rajendrakumar Khade	Member
Dr. Avinash Vaidya	Member
Dr. Divya Padmanabhan	Member
Dr. Dhanraj Thambuskar	Member



Anti Unfair Means Committee

Name of the Member	Status of Committee Member
Prof. Monika Bhagawat	Chairman
Dr. Dhanraj Thambuskar	Member
Dr. Divya Padmanabhan	Member
Dr. Prashant Nitnaware	Member

Time Table Committee

Name of the Member	Status of Committee Member
Prof G V Patil	Auto/Mech
Prof. Madhura Vayvahare	Comp/IT
Prof Arun P Raju	FE
Prof Rubina Shaikh	ETRX/EXTC



Career Guidance, Training and Placement Committee

Name of the Member	Status of Committee Member
Dr Prashant Lokhande	Chairman
Prof Amey Marathe	Member Auto
Prof Ravi Biradar	Member ETRX
Prof Apeksha Chavan	Member EXTC
Prof Sushopti Gawade	Member IT
Prof Onkar Sahasrabudhe	Member Mech
Prof Gaurav Sharma	Member Secretary

Admission Committee

Name of the Member	Status of Committee Member
Dr. Sandeep Joshi	Convenor
Prof. Pragnesh Shah	Member
Prof. Prashant Nitnaware	Member : (SC/ST Representative)
Mr. Zamir Ahmed Shaikh	Member
Mr. P. Kumaran	Member Secretary



Outstanding Students Awards Committee

Name of the Member	Status of Committee Member
Dr. Sandeep M Joshi	Chairman
Dr. Priam V Pillai	Member
Dr. P.S. Goyal	Member
Dr. Manju R. Pillai	Member
Mr. P. Kumaran	Secretary

Students Activities Fund Committee

Name of the Member	Status of Committee Member
Dr. P.S. Goyal	Convener
Dr. Sharvari Govilkar	Member
Dr. Divya Padmanabhan	Member
Dr. Arun Pillai	Member
Dr. Avinash Vaidya	Member
Prof. Varunakshi Bhojane	Member
Mr. P Kumaran	Member Secretary



Examination Committee

Name of the Member	Status of Committee Member
Dr. Manju Pillai	Chief Conductor
Dr. Sachin Wani	Joint Chief Conductor
Dr. Arun S Pillai	
Prof. Bhagawan More	
Prof. Rashid Ali	Senior Supervisor (Morning)
Prof. Archana Ingole	
Prof. Kamini Chaudhari	
Prof. Sagar Kulkarni	
Dr. Richa Agarwal	Senior Supervisor (Evening)
Dr. Avinash Vaidya	
Prof. Charumati	
Prof. Rupali Nikhare	
Prof. Sangit Mhatre	Understudy Supervisors
Prof. Dinesh Tiwari	
Prof. Jinesh Melvin	
Prof. Ruchira Patole	
Prof. Harsha Sharma	



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Prof. Mimi Cherian	
Mr. Mahesh Sawant	
Mr. Anil Choudhari	
Mr. Haresh Mankame	
Mr. Vinesh Shete	
Mr. Vineet Khambekar	
Mr. Sudhir A	
Mr. Krishna Ramulkar	Team for Numbering
Mr. Roshan Thakur	
Mr. Vaibhav	
Mr. Vishal Tribhuvan	
Mr. Kalpesh Bhoir	
Mr. Devidas Patil	
Mr. Sagar More	
Mr. Biju	



Quality Assurance

Academic and Administrative Audit (AAA)

Academic and Administrative Audit (AAA), are very essential for the excellence in Higher Education. These are interrelated concepts. Thus in order to have a quality oriented academic, there should be a strong administrative background.

Academic Audit: - Academic audit can be understood as a scientific and systematic method of reviewing the quality of academic process in the institution. It is related with the quality assurance and enhancing the quality of academic activities in the institute.

Administrative Audit: - It can be defined as a process of evaluating the efficiency and effectiveness of the administrative procedure. It includes assessment of policies, strategies & functions of the various administrative departments, control of the overall administrative system etc.

Objectives of AAA:

1. To understand the existing system and assess the strengths and weaknesses of the Departments and Administrative Units and to suggest the methods for quality improvement and for overcoming the weaknesses.
2. To identify the bottlenecks in the existing administrative mechanisms and to identify the opportunities for academic reforms, administrative reforms and examination reforms etc.



Quality Initiatives by IQAC

Accreditation related Initiatives			
NAAC SSR preparation	July 2018	July 18 to May 2019	All faculty members
ISO certification	April 2019	Jan 2019 to April 2019	All faculty members
AAA report submission	May 2019	Jan 2019 to April 2019	Heads of all departments
Academic Initiatives to enhance teaching learning			
Project based learning	July 2018 and Jan 2019	July 2018 and Jan 2019	All faculty members
Remedial classes for slow learners	Oct / Nov 2018 and April/ May 2019	Oct / Nov 2018 and April/ May 2019	100+
Announcement for online courses like NPTEL/ SWAYAM	July 2018 and Jan 2019	July 2018 and Jan 2019	All faculty members
One week Autumn of FDP101X Foundation program in ICT for Education	13th Sept 2018	13th Sept 2018 to 18th Oct 2018	36
One week Autumn of FDP201X Foundation program in ICT for Education	25th Oct 2018	25th Oct to 6th Dec 2018	36
1 week course on " Networking and its Fundamentals"	17th Dec 2018	17th Dec to 21st Dec 2018	22
2 days workshop on " IOT "	15th March 2019	15th March to 16th March 2019	25
3 months Add on course on Data Science and Machine Learning	18th Aug 2018	18th Aug 2018 - 8th Feb 2019	23
1 day hands on workshop on IOT by Mr. Srinivasan Y expert from CDAC Mumbai	29th Sept 2018	29th Sept 2018	59



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1 week workshop on “Python and development of web application using Flask framework”	9th July 2018	9th July - 15th July 2018	26
2 months Training Course on CATIA V5 Mechanical Designer through IFSA	11th August 2018	11th August - 13th October 2018	57
2 months Training Course on CATIA V5 Mechanical Designer	23rd Feb 2019	23rd Feb 2019 to 13th April 2019	19
Best Maintenance Practices for Pumps	19th Dec 2018	19th Dec to 21st Dec 2018	10
3 Months Course on IPR and Patenting	Jan 2019 to April 2019	Jan 2019 to April 2019	98
Research Initiatives			
One day Conference on Complex Systems	19th Nov 2018	19th Nov 2018	60
One Day Conference on Polymer Processing	23rd Feb 2019	23rd Feb 2019	162
2 days Conference on Technologies for Future Cities 2019	8th Jan 2019	8th Jan 2019	300
Project Competition for Final year students	April 2019	April 2019	All students
Participation in Smart India Hackathon 2019	March 2019	March 2019	42
Participation in Deep Blue Competition	Feb 2019	Feb 2019	30
Industrial visit Barkelay Goregaon Mumbai	23rd Jan 2019	23rd Jan 2019	7
Industrial visit Doordarshan Sahayadri Kendra, Worli, Mumbai	8th Oct 2018	8th Oct 2018	48
Industrial visit Royal Aircon Pvt Ltd, VADA	05th Jan 2019	05th Jan 2019	15
Industrial visit blue Star Ltd, wada	05th Jan 2019	05th Jan 2019	18



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Industrial visit AirPro Engineers pvt Ltd	05th Jan 2019	05th Jan 2019	20
Industrial visit GTPS, Uran	05th April 2018	05th April 2018	114
Industrial visit BSNL, Yeur Thane	28th July 2018	05th April 2018	37
Avishkar participation	Nov/Dec 2018	Nov/Dec 2018	44
Administrative initiatives			
Development of PCE Mentor Mentee Portal	Jul - 2018	Jul - 2018	3
PCE WEBSITE updates	April 2019	April 2019	10
Up gradation in Learning Management System	Dec 2018	Dec 2018	2
Academic Management systems(AMS) Updates	August 2018	August 2018	3
Up gradation in Library Web Portal	August 18-19	18-19	2
Infrastructure development Initiatives			
Development of E-Studio Facility	July 2018	July 2018	All faculty members and students
Mini Auditorium	Jan 2019	Jan 2019	All faculty members and students
Social & Environmental Initiatives			
One day workshop on Handling Emergencies & First Aid Techniques	23rd March 2019	23rd March 2019	90
Community Service day	Feb 2019	Feb 2019	750
Uber Rang	Feb 2019	Feb 2019	450



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Jumble Sale	10th Jan 2019	10th Jan 2019	600
Yoga Classes Morning and Evening	Daily	Daily	35
Garage Sale	11th Jan 2019	11th Jan 2019	All faculty members
National Calamity Fund (Kerala)	20th August 2018 to 24th August 2018.	20th August 2018 to 24th August 2018.	All faculty members
Industry Institute Interaction Initiative			
MOU signed with IEOT ONGC, Govt.of India	15th April 2019	15th April 2019	All students
MOU signed with Indian institute of Packaging IIP,Ministry of Commerce,Govt.of India	6th May 2019	6th May 2019	All students
MOU signed with Brainiac IP Solutions Pvt. Ltd.	6th May 2019	6th May 2019	All students
MOU signed with CISCO	3rd Dec 2018	3rd Dec 2018	All students
MOU signed with BIOCRUX INDIA PVT. LTD.	3rd May 2019	3rd May 2019	All students
MOU signed with Access Telematic System, Mumbai	22nd May 2019	22nd May 2019	All students
MOU signed with Indian Centre for plastics in the Environment	20th May 2019	20th May 2019	All students
MOU signed with IFS Academy	10th April 2019	10th April 2019	All students
MOU signed with Franklin Electric	18th May 2019	18th May 2019	All students
MAHATPO Entrepreneurship Summit 2019	09th March 2019	09th March 2019 to 10th March 2019	All students
MOU signed with Rightsol PTE.LTD.Reg No.201907726D,51 GOLDHILL PLAZA #07-10/11	26th June 2019	26th June 2019	All students



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Singapore(308900)			
MOU signed with Microchip Technology Inc.	16th Oct 2018	16th Oct 2018	All students
Employability enhancement Initiative			
JOB fair	2018-19	2018-19	All students
JOB fair	2018-19	2018-19	All students
College to Corporate Program on English for communication	19th Feb 2019	19th Feb 2019 to 15th April 2019	17
College to Corporate Program on Financial Literacy	19th Feb 2019	19th Feb 2019 to 15th April 2019	17
College to Corporate Program on Handling large projects	19th Feb 2019	19th Feb 2019 to 15th April 2019	17
Career Guidance for Preparation of Higher Studies and Placements Organised by Training & Placement Cell, PCE	July 2018	July 2018 to March 2019	All students



Perspective Plan

2009-2014

Successes and Challenges of perspective plan 2004-2009

Listed below are the successes of the perspective plan from the past five years

- Formation of governing body at institute level, anti ragging and LMC was formed for regular and smooth functioning of college
- In 2006-07 started B. E. Course in EXTC engineering
- In 2007-08 Increased intake of B. E. Courses in Comp and IT
- In 2007-08 applied for NBA accreditation of 4 UG programmes i.e. in IT, Comp, Mech and ETRX
- 2008-09 NBA accredited all 4 programmes for 3 years
- Started 2 PG courses in Mechanical and IT
- Mr. Saurabh Das was appointed as the first placement officer and cell was established in 2004
- Dr Vijayan received a grant from DST for 23.5 lakhs for Development of Ozone Generator for 3 years in 2007

Challenges from 2004-2009

- Even though the institute received its first major research grant in 2007, there is a lack of research initiative among the faculty. Most of the research is done in an uncoordinated and disconnected manner. No quality papers are being produced and many faculty do not have PhD
- Although placement department has been established many students are yet to be placed. As per feedback from employers, students lack both communication, soft skills as well as technical skills
- Our first year results have been poor, more effort is required from the faculty side to improve first year results
- Faculty has to undertake additional courses to brush up their subject knowledge



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- The administrative and documentation burden on the institute has also increased substantially. Many faculty and staff are bogged down in routine administrative and clerical tasks and are unable to conduct more productive work. Much more level of automation is required as far management of the institute is concerned.
- Institute website does not convey necessary information in a well-organized manner
- Institute does not have defined service rules and regulations, employee handbook with well-defined policies and procedures for faculty and student to refer to.
- Since 4 batches have passed, the institute can consider starting an alumni association as one does not exist.

Perspective Plan 2009-2014

Goal 1: Automation of Institute Academic and Administrative Processes

1. Get quotations for software ERP for matters such as admission, enrollment, course management, fee collection, attendance monitoring, examinations etc
2. Motivate existing Computer, IT faculty members to develop in house software for various purposes
3. Dedicate a local server where faculty members can develop their own versions of course management software

Goal 2: Create research culture and spirit in PIIT

1. Appoint a senior faculty member with substantial research experience as Dean R&D to help guide younger faculty and students
2. Purchase subscriptions to e-journals as per AICTE norms
3. Establish a research center in the institute
4. Conduct focused workshops in IPR and patents, plagiarism, research methodology etc

Goal 3: Create PIIT rule book with all PIIT policies and procedures

1. Consolidate all existing PIIT rules and regulation, policies and procedures etc into one book
2. A committee may be appointed for this task

Goal 4: Continue NBA re-accreditation for more courses

1. Comply with all terms and conditions of NBA re-accreditation



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2. Update teaching and research labs with new equipment

Goal 5: Establish a scheme for faculty upgradation

1. Sponsor selected faculty for PhD
2. Organize more FDPs on campus
3. Send faculty for conferences, workshops and additional training

Goal 6: Improve Placement

1. Since our student strength has increased PIIT should recruit placement assistants to assist the placement officer
2. Faculty placement coordinators should be appointed for each department
3. Additional soft and technical skill development courses to be introduced to improve student skills
4. Have specific MOUs with industries who recruit a large number of students

Goal 7: Improve First Year Results

1. Add extensive coaching and remedial courses for first year and direct second year students
2. Organize study camps and prelim exams to ensure that students are well prepared for the exams

Goal 8: Establish Alumni Association

1. Organize regular alumni meetings in the PIIT
2. Motivate alumni of PIIT to form an alumni association to coordinate its activities



Perspective Plan 2014-2019

Successes and Challenges of perspective plan 2009-2014

Academic and Accreditation

- In year 2013 University has issued Permanent affiliation to 4 accredited programmes
- In 2014 applied for NBA re-accreditation of 3 UG programmes i.e. in Comp, Mech and ETRX and got accredited in 2015 for a period of 3 years
- In year 2014 UGC has issued its recognition under section 12f and 2B
- Started 2 more PG courses in Comp and ETRX

Administrative Automation

- Purchased CampusCare software as ERP solution for fee collection
- Developed in house software for student attendance management
- Signed agreement with Google Ireland Pvt Ltd to integrate Google Apps for Education giving free email, calendar etc to students.

PIIT Faculty and Student Handbooks

- For the first time handbooks have been prepared for reference about service rules, various policies and procedures for the institute.

Research

- Appointed Dr PS Goyal as Dean R&D and constituted R&D Committee
- Applied for research grants to AICTE, DST and received few grants. A few consultancy grants are also included. Summary is below



Year Wise Plan	Grants Received from External Agencies in lakhs
2004-2009	26.27
2009-2014	90.74

Training and Placement

- Signed an MOU with Infosys for campus connect programme, IIT Bombay as a remote center for faculty and student development
- Placement as improved from less than 20% in 2009 to over 40% in 2014

Faculty Development

- Started IIT Bombay as a remote center for faculty development
- IEPC training for faculty

Student Development

- 2012 the student alumni society was constituted and registered at Alibag.
- First year results have gradually improved from less than 25% in the 2009 to over 60% in 2014. The average for the University of Mumbai is around 50%

Challenges from past five years

- Substantial progress has been made in the research arena by PIIT faculty, however more must be done to ensure that the research production of the institute increases. Faculty should be encouraged to publish papers in quality journals. Currently the institute lacks any focus areas where facilities can be created and faculty expertise can be developed. More number of PhD faculty will significantly contribute to the growth of research within PIIT.
- Placement has increased to over 40% for the institute however it is desirable to have more than 60% students placed in companies and the remaining going for higher education or entrepreneurship. Currently little support system exists for students wishing to pursue avenues other than placement in companies. In addition, there is no mechanism to provide individualized mentorship to students from the faculty.



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- PIIT has purchased an ERP software called CampusCare that has many functionalities such as admissions, course management etc. However, currently only the fee payment module is used and the other modules are not utilized. It also does not integrate with the Google Apps suite of the institute. Many of the issues pertain to the fact that the features of the software are not compatible with the requirements of the University of Mumbai. Especially since CGBS pattern has been introduced. It has therefore become necessary to have a better software more customized to PIIT needs.
- In 2012, PIIT adopted outcome based education. Faculty members were briefed about it when introduced and it was implemented. There is still much to be done as far as OBE is concerned as thorough implementation of outcome based education is lacking. In addition, there are many aspects of the University paper pattern that are not conducive to practical knowledge for students. It is therefore important that more practical projects be given to students to supplement the coursework
- Our students and alumni have also suggested that the name PIIT does not fully give a flavor of what the institute does. Since we have numerous courses in the non-IT area it has been suggested that the institute change its name to Pillai College of Engineering to keep a consistent branding and to avoid confusion in the future.
- Many of our students would like to compete in state, national and international level competitions. However, they lack funds and mentorship in order to proceed further. In order to encourage students to compete and win in such competitions more support from the institute is required

Perspective Plan 2014-2019

Goal 1: Improve research and consultancy for PIIT

- Setup various hubs or center of excellence for research based on collections of faculty expertise
- Setup faculty schemes where some funds can be given to faculty for research, conference travel, specialized training, upgradation of qualification etc.
- Purchase instruments, software licenses and equipment that may be needed for these centers
- Reach out to industries and sign up for strategic MOUs with them that involve research and knowledge sharing



- Organize conferences, colloquiums, seminars on selected topics of interest. Attract faculty and researchers from other prestigious institutes to present in them.

Goal 2: Change of Name of PIIT to Pillai College of Engineering

- Put up change of name approval in front of BoG
- Get approvals from University of Mumbai and Government of Maharashtra for change of name
- Get approval from AICTE for change of name

Goal 3: Start PhD center at PIIT

- PIIT has several PhD faculty in the fields of Mechanical Engineering as well Computer Engineering as well as NBA accredited departments
- Get approval for these faculty as PhD guides in the University of Mumbai
- Therefore the Institute may immediately apply for a PhD center in those subjects to the University of Mumbai

Goal 4: Increase levels of administrative automation at PIIT.

- Develop in house ERP software for PIIT for course management, examinations, admissions, railway concessions for ease of administration
- Increase server space to accommodate large databases for the above activities

Goal 5: Improve implementation of Outcome Based Education

- OBE should be part of the routine academic work of the institute and must be included in the academic calendar
- More OBE workshops should be organized to further sensitize faculty on OBE

Goal 6: Improve levels of attainment of student higher educational and placement goals

- Conduct workshops and trainings for aptitude tests
- Give students support for GATE, GRE etc
- Encourage more students to take up online courses through MOOCs
- Develop in house facility to record faculty lectures
- Encourage faculty to conduct trainings and workshops on industry relevant subjects



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- Partner with external skill development (both technical and soft) trainers to conduct add on courses on campus
- Introduce project based learning approach for students to enhance practical knowledge of students

Goal 7: Promote entrepreneurial spirit at PIIT

- Have regular competitions among students internally within the institute
- Establish an institute E-cell that coordinates with other E-cells of MES
- Organize seminars and workshops on IPR and patenting, basics of business,
- Organize and encourage participation in various Business Plan Competitions
- Setup a space on campus where student entrepreneurs can meet and develop their ideas

Goal 8: Improved engagement of PIIT alumni with the institute

- More frequent alumni activities to be organized
- Encourage passed out alumni to come back and conduct seminars and workshops for current students
- Increase social media presence of PIIT on facebook, linkedin and twitter

Goal 9: Increased support for student extracurricular activities

- Request a budget for student activities that can be used to sponsor students for various external competitions
- Give students space on campus where they can work and develop their projects
- Establish a maker space/project lab where students can fabricate various items.



Academics

Programs Offered

Bachelor of Engineering, Master of Engineering and Ph.D. Programs

Degree	Courses	Year of Establishment	Sanctioned Strength
BE	1. Information Technology	1999	120
	2. Computer Engineering	1999	120
	3. Electronics Engineering	1999	120
	4. Mechanical Engineering	2002	120
	5. Elect and Telecommunication Engineering	2007	120
	6. Automobile Engineering	2009	60
ME	1. Information Technology	2008	18
	2. Computer Engineering	2009	18
	3. Electronics Engineering	2009	18
	4. Mechanical Engineering Thermal Engineering	2011	18
	5. Mechanical Engineering CAD/CAM & Robotics	2008	18
Ph.D	1. Computer Engineering	2017	10
	2. Mechanical Engineering	2017	10



Status of Admission

Programme Name	Number of Seats Sanctioned	Number of Students Admitted
Automobile Engineering	60	54
Computer Engineering	120	124
Electronics Engineering	120	37
Electronics and TeleComm. Engineering	120	81
Information Technology	120	125
Mechanical Engineering	120	113
Computer Engineering (PG)	18	8
Electronics Engineering (PG)	18	3
Information Technology (PG)	18	4
Mechanical Engineering-Thermal (PG)	18	9
Mechanical Engineering-CAD/CAM (PG)	18	8
Computer Engineering(PhD)	10	8
Mechanical Engineering(PhD)	10	7

**Academic Initiatives**

Name of quality initiative by IQAC	Date of conducting activity	Duration (from – to)	Number of participants
Project based learning	July 2018 and Jan 2019	July 2018 and Jan 2019	All faculty members
Remedial classes for slow learners	Oct / Nov 2018 and April/ May 2019	Oct / Nov 2018 and April/ May 2019	100+
Announcement for online courses like NPTEL/ SWAYAM	July 2018 and Jan 2019	July 2018 and Jan 2019	All faculty members
One week Autumn of FDP101X Foundation program in ICT for Education	13th Sept 2018	13th Sept 2018 to 18th Oct 2018	36
One week Autumn of FDP201X Foundation program in ICT for Education	25th Oct 2018	25th Oct to 6th Dec 2018	36
1 week course on " Networking and its Fundamentals"	17th Dec 2018	17th Dec to 21st Dec 2018	22
2 days workshop on " IOT "	15th March 2019	15th March to 16th March 2019	25
3 months Add on course on Data Science and Machine Learning	18th Aug 2018	18th Aug 2018 - 8th Feb 2019	23
1 day hands on workshop on IOT by Mr. Srinivasan Y expert from CDAC Mumbai	29th Sept 2018	29th Sept 2018	59
1 week workshop on “Python and development of web application using Flask framework”	9th July 2018	9th July - 15th July 2018	26
2 months Training Course on CATIA V5 Mechanical Designer through	11th August 2018	11th August - 13th October 2018	57



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IFSA			
2 months Training Course on CATIA V5 Mechanical Designer	23rd Feb 2019	23rd Feb 2019 to 13th April 2019	19
Best Maintenance Practices for Pumps	19th Dec 2018	19th Dec to 21st Dec 2018	10
3 Months Course on IPR and Patenting	Jan 2019 to April 2019	Jan 2019 to April 2019	98



Result Analysis and Toppers - Overall Result

Sn	Branch	Students appeared	Students Passed	Pass %
1	Automobile Engineering	88	85	96.7%
2	Computer Engineering	152	147	96.7%
3	Electronics Engineering	115	108	93.9%
4	Electronics and Telecommunication Engineering	146	138	94.5%
5	Information Technology	136	129	94.8%
6	Mechanical Engineering	135	128	94.8%
7	ME – Computer Engineering	4	3	75%
8	ME – Electronics Engineering	3	2	66.67%
9	ME – CAD CAM	2	1	50%
10	ME - Thermal	3	2	66.67%



FE semester II Toppers

Sn.	NAME	GRADE POINT
1	Vishwakarma Anant	9.7
	Gharge Saloni	
	Bavishkar Pramod	
2	Dange Girish	9.59
3	Ghadage Pratik	9.56
	Nair Siddharth	
4	Garad Vaishnavi	9.52
5	Patil Rutuja	9.44



Faculty

List of Faculty

Sr. No.	Department	Name	Designation
1.	AUTOMOBILE	Dr. Divya Padmanabhan	Professor
2.		Dr. Basavaraj Talikoti	Associate Professor
3.		Amey P Marathe	Associate Professor
4.		Ameya P Nijasure	Assistant Professor
5.		Geeta J Karmarkar	Assistant Professor
6.		Salim Jafri	Assistant Professor
7.		Pankaj Khakare	Assistant Professor
8.		Ms. Kadam Komal Anup	Assistant Professor
9.		Ms. Shaikh Umera Anwarhussain	Assistant Professor
10.		Mr. Manoj Kumar Sharma	Assistant Professor
11.		Krishamohan S Menon	Assistant Professor
12.		George Varghese	Assistant Professor
13.		Dipesh Jain	Assistant Professor
14.	COMPUTER	Dr. Madhumita A Chatterjee	Professor
15.		Dr. Sharvari Govilkar	Professor
16.		Hitesh Modi	Professor
17.		Prashant Nitnaware	Associate Professor
18.		Dipti Yogesh Patil	Associate Professor
19.		Varunakshi Bhojane	Associate Professor
20.		Manjusha Deshmukh	Associate Professor
21.		Sushopti Gawade	Associate Professor
22.		Payel Gaurav Thakur	Assistant Professor
23.		Nair Krishnendu	Assistant Professor
24.		Preetika Chatta	Assistant Professor
25.		Ranjita Narayan Gaonkar	Assistant Professor



26.		Nikhare Rupali	Associate Professor
27.		Sujit Uday Tilak	Assistant Professor
28.		Deepti Lawand	Assistant Professor
29.		Amol Kharat	Assistant Professor
30.		K S Suresh Babu	Assistant Professor
31.		Sagar Rajendra Kulkarni	Assistant Professor
32.		Gaurav Sharma	Assistant Professor
33.		K S Charumathi	Assistant Professor
34.		Blessy Varghese	Assistant Professor
35.		Sangeetha Selvan	Assistant Professor
36.		Smita Vishnu More	Assistant Professor
37.	ELECTRONICS	Dr. P.S.Goyal	Professor
38.		Dr. G Sita	Professor
39.		Rajendrakumar H Khade	Professor
40.		Monika Bhagwat	Associate Professor
41.		Ujwal Harode	Associate Professor
42.		Suman P Wadkar	Associate Professor
43.		Sanjeev Kumar Srivastava	Associate Professor
44.		Padmaja D.Bangde	Assistant Professor
45.		Ajit V Saraf	Assistant Professor
46.		Ravi Biradar	Associate Professor
47.		Meera Kharat	Assistant Professor
48.		Deepti Sasidharan Nair	Assistant Professor
49.		Sneha Keshav Chikodi	Assistant Professor
50.		Uma K S	Assistant Professor
51.		Vanage Anup	Assistant Professor
52.		Seema Mishra	Assistant Professor
53.		Rubina Afzal Shaikh	Assistant Professor
54.		Swati Patil	Assistant Professor



55.		Ruchira C Patole	Assistant Professor
56.		B Hariharan	Assistant Professor
57.		Sonali Kathare	Assistant Professor
58.		Apeksha S Chavan	Assistant Professor
59.		Amit Mehata	Assistant Professor
60.	ELECTRONICS AND TELECOMMUNI CATION	Dr. Avinash R. Vaidya	Professor
61.		Pragnesh Shah	Associate Professor
62.		Jayshree Bhosale	Associate Professor
63.		Tusharika Banerjee	Associate Professor
64.		Shravani A Shahapure	Associate Professor
65.		Suchitra Arun Patil	Assistant Professor
66.		Liril C George	Assistant Professor
67.		Sweta Pankaj Waghmare	Assistant Professor
68.		Ms. Simon Florence Francis	Assistant Professor
69.		Dinesh G Tiwari	Assistant Professor
70.		Yogesh V Kene	Assistant Professor
71.		Harsha Sharma	Assistant Professor
72.		Swapnil S Gourkar	Assistant Professor
73.		Ishmeet Singh Riar	Assistant Professor
74.		Aboli A Khedkar	Assistant Professor
75.		Ms. Manisha Singh	Assistant Professor
76.		Ms. Pratiksha Patil	Assistant Professor
77.		Mr. Shreekumar Menon	Assistant Professor
78.	INFORMATION TECHNOLOGY	Dr. Satishkumar L Varma	Professor
79.		Dr. P S Lokhande	Professor
80.		Madhu M Nashipudimath	Associate Professor
81.		Gayatri H Hegde	Associate Professor
82.		Bhise Prakash Dayanand	Associate Professor
83.		Madhura Vyawahare(Rakhi Muley)	Associate Professor



84.		Mimi Miriam Cherian	Associate Professor
85.		Amin Dhiraj	Assistant Professor
86.		Teena A James	Assistant Professor
87.		Aju Rajan Palleri	Assistant Professor
88.		Manasi Kulkarni	Assistant Professor
89.		Suhas Lawand	Assistant Professor
90.		Shubhangi Rathod	Assistant Professor
91.		Y I Jinesh Melvin	Assistant Professor
92.		Nymphia Pereira	Assistant Professor
93.		Smita Joshi	Assistant Professor
94.		Bhagyashri Patil	Assistant Professor
95.		Sowmya P.	Assistant Professor
96.		Nikita Bachhav	Assistant Professor
97.		Mokal Vaibhav	Assistant Professor
98.		Vivitha Vijayan	Assistant Professor
99.		Harjeet Kaur	Assistant Professor
100.		Gawande Sheetal	Assistant Professor
101.		I. B Rajeswari	Assistant Professor
102.		Munot Nikita	Assistant Professor
103.		Patil Shweta	Assistant Professor
104.	MECHANICAL	Dr.Priam V Pillai	Professor
105.		Dr. Dhanraj P Tambuskar	Professor
106.		Dr.Sandeep Murlidhar Joshi	Professor
107.		Avinash G Shaligram	Associate Professor
108.		Onkar Sahasrabudhe	Associate Professor
109.		Miriyala Durga N.K.P.Rao	Associate Professor
110.		Gajanan N Thokal	Associate Professor
111.		Rashed Ali	Associate Professor
112.		Richa S Agrawal	Associate Professor



113.		Pruthviraj P Rahane	Associate Professor
114.		Meeta S Vedpathak	Assistant Professor
115.		Bhagwan S.More	Assistant Professor
116.		Shilpa M Mondkar	Assistant Professor
117.		Arun Raju	Assistant Professor
118.		Jagdish Kelkar	Assistant Professor
119.		Shridhar S Deshmukh	Assistant Professor
120.		Vaishali S Kumbhar	Assistant Professor
121.		Sojan V V	Assistant Professor
122.		Vinod Dinkar Mane	Assistant Professor
123.		Sonali P Parida	Assistant Professor
124.		Shivapradeep Muthupandi	Assistant Professor
125.		Lalit Singh Mehta	Assistant Professor
126.		Tikaram Verma	Assistant Professor
127.		Binsu Babu	Assistant Professor
128.		Shaikh Mohammed Shahid Irfanulhaque	Assistant Professor
129.		M.K.Verma	Assistant Professor
130.		Neeta Thalkar	Assistant Professor
131.		Jweshwari Tupe	Assistant Professor
132.		Pranita Thakur	Assistant Professor
133.	APPLIED SCIENCE AND MATHEMATICS	Dr. Saxena Snigdha B	Professor
134.		Dr. Wani Sachin Subhash	Associate Professor
135.		Dr. Pillai Arun Shridharan	Professor
136.		Dr. Khandkar Mahendra Dattatray	Associate Professor
137.		Dr. Pillai Manju Ranjit	Professor
138.		Mr. Nikam Ravindra Rajaram	Associate Professor
139.		Ms. Nair Rakhee G.	Assistant Professor
140.		Mrs. Nikam Sonali Ravindra	Assistant Professor
141.		Dr. Sharma Malvika Parmesh	Associate Professor



142.	Mrs. Pachkawade Darshana Nitinkumar	Assistant Professor
143.	Ms. S Kuberal	Assistant Professor
144.	Dr. Singh Surabhi Jainendra Nath	Associate Professor
145.	Mrs. Ingole Archana Laxman	Assistant Professor
146.	Mrs. Chaudhari Kamini Kiran	Assistant Professor
147.	Dr. Murarka Anshu Sanjay	Associate Professor
148.	Mrs. Potdar Leena Makarand	Assistant Professor
149.	Mr. Kudre Maheshkumar Dilip	Assistant Professor
150.	Ms. V Soumya Dasan	Assistant Professor
151.	Dr. Panda Biswajit Rajaram	Associate Professor
152.	Ms. Gaikwad Suvarna Haridas	Assistant Professor
153.	Ms. Hirani Bhakti Manubhai	Assistant Professor
154.	Mr. Mhatre Sangit Maruti	Assistant Professor
155.	Dr. Shrivastava Deepali Rahul	Assistant Professor
156.	Ms. Pradhan Lilly Digambar	Assistant Professor
157.	Mrs. Bhatia Rekha Fateh Chand	Assistant Professor
158.	Ms. P Neethu	Assistant Professor



List of faculty with Ph.D qualification

Sr. No	Name of full time teachers with Ph.D	Year of obtaining Ph.D	Whether recognised as research Guide for Ph.D	Year of Recognition as Research Guide
1	Dr. Divya Padmanabhan	2016-17	Yes	2017-18
2	Dr. Madhumita A Chatterjee	2013-14	Yes	2015-16
3	Dr. Sharvari Govilkar	2016-17	Yes	2017-18
4	Dr. Satishkumar L Varma	2012-13	Yes	2016-17
5	Dr. P S Lokhande	2017-18	No	NA
6	Dr. Prashant Nitnaware	2018-19	No	NA
7	Dr. Dipti Y Patil	2018-19	No	NA
8	Dr. P. S. Goyal	1978-79	No	NA
9	Dr. G Sita	2002-03	No	NA
10	Dr. Avinash R. Vaidya	2014-15	No	NA
11	Dr. Rajendrakumar H Khade	2017-18	Yes	2018-19
12	Dr. Priam V Pillai	2011-12	Yes	2016-17
13	Dr. Dhanraj P Tambuskar	2015-16	Yes	2018-19
14	Dr. Sandeep Murlidhar Joshi	2016-17	Yes	2017-18
15	Dr. Basavaraj Talikoti	2017-18	No	N.A.
16	Dr. Onkar Sahasrabudhe	2018-19	No	N.A.
17	Dr. Richa S Agrawal	2018-19	No	N.A.
18	Dr. Saxena Snigdha B	1993-94	No	N.A.
19	Dr. Wani Sachin Subhash	2013-14	No	N.A.
20	Dr. Pillai Arun Shridharan	2011-12	No	N.A.
21	Dr. Khandkar Mahendra Dattatray	2002-03	No	N.A.
22	Dr. Pillai Manju Ranjit	2001-02	No	N.A.
23	Dr. Sharma Malvika Parmesh	2000-01	No	N.A.



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24	Dr. Singh Surabhi Jainendra Nath	2009-10	No	N.A.
25	Dr. Murarka Anshu Sanjay	2009-10	No	N.A.
26	Dr. Panda Biswajit Rajaram	2011-12	No	N.A.
27	Dr. Shrivastava Deepali Rahul	2010-11	No	N.A.
28	Dr. Sanjeevkumar Srivastav	2018-19	No	N.A.
29	Dr. Sundeep H. Deulkar	2005-06	No	N.A.
30	Dr. Rashid Ali	2018-19	No	N.A.

**Research Publications by Faculty**

SN	Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISBN/ISSN number
1	Forensic Linguistic Features of Judgement Texts	Leena M Potdar, PT Ronge	Humanities	International Journal of English Language, Literature and Humanities	ISSN: 2321-7065
2	Normal mode Helical antenna on small circular ground plane	Suman P. Wadkar	Electronics Engineering	IETE Journal of Research August 2018	ISSN: 0377-2063
3	Broad band and High Gain stacked microstrip antenna array	Suman P. Wadkar	Electronics Engineering	MOTL ,Feb 2019	0895-2477
4	Structural and Magnetic Properties of Fe-Doped Mn ₂ O ₃ Orthorhombic Bixbyite	R. Nikam, Sudhindra Rayaprol, P. S. Goyal, and V. Siruguri	Electronics Engineering	Journal of Superconductivity and Novel Magnetism, July 2018, Volume 31, Issue 7, pp 2179–2185, Springer	ISSN: 1557-1939 (Print) 1557-1947 (Online)
5	Lung Cancer Feature Selection using Minimum Spanning Tree Based Clustering	Pallavi Kadam and Satishkumar Varma	Information Technology	International Journal of Engineering And Computer Science (IJECS), 7(12):24439-24447, Dec 2018	ISSN:2319-7242
6	Survey on Lung Cancer Feature Selection Algorithms	Pallavi Kadam and Satishkumar Varma	Information Technology	International Journal of Computer Science Trends Technology (IJCST), 6(5):103-108,	ISSN: 2347-8578



				Sept 2018	
7	Benchmarking of Hybrid TIG MAG Arc Welding for Mild Steel	Sahasrabudhe, O.S. & Raut, D.N	Mechanical Engineering	Transactions of Indian Institute of Metals: International Journal of Minerals, Metals and Materials Engineering. Springer India, Jan 2019	0975-1645
8	Detecting Phishing Attacks Using Natural Language Processing and Deep Learning Models	Fenny Z . Sharvari Govilkar	Computer Engineering	JOURNAL OF APPLIED SCIENCE AND COMPUTATION S, JASC-UGC APPROVED JOURNAL: volume VI, Issue I, Jan 2019.	824-841
9	Octagonal Arrays and Petri Nets	Kuberal S, Dr. T. Kamaraj and Dr. T. Kalyani	Mathematics	A Computational Ecology Approach (Web of Science)	ISSN: 1300-1361
10	Patent: Parallel Metal Plated Split U omni directional UWB Antenna	Dr Avinash Vaidya	Electronics Engineering	patent	Patent No: 302835
11	Copyright: A NEW FAST AND EFFICIENT ENCODER: CACHE-BASED CODING FOR ERROR FREE IMAGE DATA COMPRESSION	Satishkumar Varma and S. N. Talbar	Computer Engineering	Ministry of Commerce & Industry Department of Industrial Policy and Promotion	Diary Number: 3021/2018-CO/L



12	Performance Analysis of Feature Selection for Twitter Sentiment Analysis: Classification approach	Shweta Raut and Madhu Nashipudimath	Computer Engineering	IJARCCCE	ISSN (Online) 2278-1021 ISSN (Print) 2319-5940
13	Abstractive Text Summarization using Rich Semantic Graph for Marathi Sentence'	Sheetal Shimpikar, Sharvari Govilkar	Computer Engineering	International Journal of Engineering and Technology (UAE). Special Issue on Artificial Intelligence, Big Data, and Machine Learning 7(4):4429-4434	0975 – 8887
14	A classification model on probabilistic semantic relation for big data: An integrated approach	Madhu Nashipudimath and Dr.Subhash Shinde	Computer Engineering	International Journal of Engineering and Technology (UAE). Special Issue on Artificial Intelligence, Big Data, and Machine Learning	ISSN 2227-524X
15	Experimental Analysis of Condensation in Helical Coil Tube	Rashed Ali, Dr N P Gulhane	Mechanical Engineering	Pertanika Journal of Science & Technology	ISSN: 0128-7680
16	Port-Controlled Phasor Hamiltonian Modeling and IDA-PBC Control of Solid-State Transformer	RV Meshram, M Bhagwat, S Khade, SR Wagh, A M Stankovic, N M Singh	Electronics Engineering	IEEE Transactions on Control Systems Technology	Print ISSN: 1063-6536 Electronic ISSN: 1558-0865 CD-ROM ISSN: 2374-0159



17	Real-time Sensorless Torque Control of Doubly-Fed Induction Motors, IJRECE, UGC approved, Vol.6 Issue3, pp 1576-1583, September 2018	Ravi Biradar	Electronics Engineering	IJRECE	ISSN 2348-2281
18	Regional Octagonal Tile Rewriting Grammars	S. Kuberal*, T. Kalyani , T. Kamaraj , K. Bhuvaneshwari	Mathematics	Journal of Advanced Research in Dynamical and Control Systems	ISSN:1943-023x
19	Multi Rate Output Feedback control of Doubly-Fed Induction Motor, IJCSE Vol. 6 Issue 8, pp 681-686, August 2018	Ravi Biradar	Electronics Engineering	IJCSE	ISSN: 2347-2693
20	Speech Recognition By Intelligent Surface	Suchitra A. Patil	Electronics & Telecommunication Engineering	IJSART	ISSN : 2395-1052
21	Aspect based opinion mining for code mix text	Pranita Mahjan and Sharvari Govilkar	Computer Engineering	JOURNAL OF APPLIED SCIENCE AND COMPUTATIONS	ISSN NO: 1076-5131
22	INTELLIGENT PERSONAL ASSISTANT	Manu M, Abhishek Nair, Akshay Walunj, Suraj iyer, Sharvari Govilkar,	Computer Engineering	International Journal of Computer Science, Information Technology, & Security (IJCSITS) Vol 8, No.4 July-Aug 2018	1947-5500



23	A Role and Potential of E-Krishimitra Tool in Usability Improvement of Agricultural Domain	Sushopti Gawade , Dr. Varsha Turkar	Computer Engineering	International Journal of Computer Applications, Foundation of Computer Science, New York, USA.	ISSN NO 0975 – 8887
24	A Survey on Author Profiling Techniques	Vivitha Vijayan, Sharvari Govilkar	Computer Engineering	International Journal of Computer Sciences and Engineering Vol.- 7, Issue-3, pp.1065-1069, Mar-2019	E-ISSN: 2347-2693
25	'Zirconia toughened allumina by slip casting and evaluation of its flexure behaviour"	Dr.Divya Padmanabhan, Priya Sonone	Mechanical Engineering	International Journal of research & Analytical Reveiws, E-ISSN 2348-1269	P-ISSN 2349-5138
26	"Automatic gate system with autofocus camera using node-red"	Ruchira Patole	Electronics Engineering	Springer, International Conference on Innovations in Mechanical Engineering, Hyderabad, in book series "Lecture Notes in Mechanical Engineering"	ISSN:2195-4356
27	Bug Report Collection System	Prof.Deepti Lawand, Aditya Mahajan, Kajal Dubey, Rahul Gupta	Computer Engineering	International Journal of Advanced Research Methodology in Engineering & Technology, Volume 3, Issue	2456-6446



				1, April 2019	
28	Mobile Tool for analysis of Events, stocks and Management System	Prof. Deepti Lawand, Rahul Nair, Justin James, Rishab koul, Mehmood Deshmukh	Computer Engineering	International Journal of Innovative Research in Computer and Communication Engineering, Vol. 7, Issue 3, March 2019	ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798
29	Prediction of Indian Election Sentiments on Twitter using Machine Learning	Manasi Kulkarni, Shubhangi Rathod, Rohith Nair, Sharan Rai, Vickson Rodrigues, Shivam Soni,	Information Technology	International Journal of Research in Engineering, Science and Management Volume-2, Issue-4, April-2019 www.ijresm.com	ISSN (Online): 2581-5792
30	Literature Survey ofn Real Time OSN Analysis to Detect online Terrorists	Manasi Kulkarni, Sagar Kulkarni, Tasneem Attarwala, Mrudul Bornare, Riya Jadhav,	Information Technology	International Journal of Information systems	ISSN:2229-5429
31	Cloud Based Deduplication Using Middleware Approach	Sujit Tilak, Shrey Jakhmola, Arvind Hariharan Nair, Bhabya Mishra , Isha Dwivedi	Information Technology	International Research Journal of Engineering and Technology (IRJET)(IRJET)	2395-0056



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32	Robust Tissue Classification for Foot Ulcers Wound Assessment Using Image Analysis System	Jinesh Melvin. Y.I, Krishnendu, Ginchil Krus	Computer Engineering	"HBRP Publication Advancement in Image Processing and Pattern Recognition Volume 2 Issue 1"	
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Guest Lectures

Sr. No.	Details	Date
1	Workshop on "Best Maintenance Practices" Speaker: Mr. Mani Kant Verma	19.11.2018 to 19.11.2018
2	Seminar on "Complex Systems " Speaker: Padmashree Dr. Mustansir Barma Indian scientist and former director of TIFR.	19.11.2018 to 19.11.2018
3	Seminar on "Complex Systems" Speaker: Dr.Kiran Kolwankar Department of Physics, Jhunjhunwala College.	19.11.2018 to 19.11.2018
4	Seminar on "Polymer Nano-composites for Defence Applications" Speaker: Dr.M Patri , Director, NMRL (DRDO Lab).	23.02.2019 to 23.02.2019
5	Seminar on "Some outstanding Challenges in Carbon Nanotubes and Graphene incorporated Polymer Composites" Speaker: Dr. Arup R Bhattacharyya IIT Bombay.	23.02.2019 to 23.02.2019
6	Seminar on "Engineering Polymer & Composites based on Sulfur: New Opportunities"Speaker:Dr V K Gupta (Senior Vice President, Reliance India Ltd, Mumbai)	23.02.2019 to 23.02.2019
7	Seminar on "Building Instruments for Mechanical Characterization of Polymers" Speaker: Dr Priam Pillai	23.02.2019 to 23.02.2019
8	Seminar on "Regenerated cellulosic fibres: Structure-property relationship" Speaker:Dr Rupesh Khare (Senior Manager R &D, Aditya Birla Group).	23.02.2019 to 23.02.2019
9	Seminar on "Poly (aryl ether ketone) Polymers, their	23.02.2019 to



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	Processing and Applications" Speaker: Dr D S Bag (Joint Director and Head: Polymer Matrix Composite Division, DMSRDE Kanpur, DRDO Lab) .	23.02.2019
10	Seminar on "Rentmall" Speaker:Omkar Kurkute	09.03.2019 to 09.03.2019
11	Talk on "APLI AI",Speaker: SHIVAM TIWARI	10.03.2019 to 10.03.2019
12	Seminar on STUDENTS ALLIANCE iLEARNPEDIA	10.03.2019 to 10.03.2019
13	Talk on e-advantage by Mr. Nayan Cheda	09.03.2019 to 09.03.2019
14	Seminar on 10 Steps to Online Business by Ashish Jhalani (Etailing India)	09.03.2019 to 09.03.2019
15	Talk on ekeeda the journey	09.03.2019 to 09.03.2019
16	Seminar on Swapeer	10.03.2019 to 10.03.2019
17	Talk on Entrepreneurship at Campus	09.03.2019 to 09.03.2019
18	Seminar on Mr.Nitin Podar (Lawyer of J Sagar Associates) "5 Legal steps to Start-up"	09.03.2019 to 09.03.2019
19	Talk on Role Of Patents In Startup	09.03.2019 to 09.03.2019
20	Seminar on Idea Validation: Often Missed Steps	09.03.2019 to 09.03.2019
21	Seminar on Myedmate Technologies Llp	10.03.2019 to 10.03.2019



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22	Talk on Hiring Redefined!! Welcome To The Revolution	10.03.2019 to 10.03.2019
23	Seminar on Utilization Of Graphene In Energy Storage Device To Enhance Performance Of Electric Vehicle	
24	Talk on A Sustainable Smart Technique Of Generating Water From Atmosphere For Remote Rural Drought Affected Areas Across India	
25	Talk on BEST FUNDING MODEL FOR ENGINEERING STARTUPS	
26	Seminar on Marketing 2-0	10.03.2019 to 10.03.2019
27	Talk on RUNBURN – FITNESS EVENTS AND COACHING	
28	Seminar on Inclusive development of future cities	
29	Talk Behavioural Data – Opportunities and Threats	
30	Seminar on Sustainable Development through Multi – Modal Integration	
31	Talk on Data Driven Urbanism - Measuring Urban Expansion	
32	Seminar on Addressing Sustainability: Options for Distributed Poly-Generation	
33	Talk on Modern sensors and actuators, signal processing and applications	
34	Seminar on Recent Cyber Security Attacks and their Mitigation	
35	Seminar on "Software Engineering Industry perspectives" Speaker:Mr. Swapnil Narendra Kadam Software Developer	05.04.2019 to 05.04.2019



	at Tata Consultancy Services	
36	Seminar on "Software testing : Industry approach and automation tools" Speaker:Asst Prof. Smita Swapnil Kadam Computer Engineering	04.04.2019 to 04.04.2019
37	Workshop on College to Corporate program on "Effective use of IT for professional activities" by IIT Bombay	19.02.2019 to 15.04.2019
38	Workshop on College to Corporate program on "Soft Skills" by IIT Bombay	19.02.2019 to 15.04.2019
39	Workshop on College to Corporate program on "Workplace Communication" by IIT Bombay	19.02.2019 to 15.04.2019
40	Workshop on Foundation program in ICT for Education(FDP101X),by IIT Bombay	13.09.2018to 18.10.2018.
41	Expert lecture on Smart Polymeric Materials and structures for engineering applications	28.09.2018 to 28.09.2018
42	Seminar on Overview of HVAC system	
43	Workshop on "Foundation program in ICT for Education(FDP201X)",by IIT Bombay	25.10.2018 to 06.12. 2018
44	Workshop on "Handling imergencies and first aid techniques"	23.03.2019 to 23.03.2019
45	Workshop on KOHA for librarians and System Administrators	12.10.2018 to 12.10.2018
46	Workshop on KOHA for librarians and System Administrators	09.03.2019 to 09.03.2019
47	Workshop on "Moodle for faculties" through RC1100 , conducted by IITB	15.03.2019 to 15.03.2019
48	Workshop on Scilab for Teachers through RC1100 , conducted by IITB	04.05. 2019 to 04.05.2019



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49	One week of FDP201X Foundation program in ICT for Education	03.05.2018 to 30.05.2018
50	workshop on Latex for faculty ,Speaker:Prof.Monika Bhagwat	01.09.2018 to 01.09.2018
51	Business Plan Competition organized by Pillai center of innovation and entrepreneurship	05.04.2019 to 05.04.2019
52	Idea Generation Workshop organized by Pillai center of innovation and entrepreneurship	28.08.2018 to 28.08.2018
53	Talk on "Dream Very Big" Speaker"Mr.Simarpreet Singh,Entrepreneur	24.08.2018 to 24.08.2018
54	Workshop on Latex Organized by CSI,PCE. Speaker: Dr.Madhumita chatterjee and Dr.Satish Kumar Varma	04.08.2018 to 04.08.2018
55	IoT Hands on WORKSHOP on "Internet of Things and its Applications"	15.03.2019 to 16.03. 2019
56	Software Engineering & Project Management (SEPM),Software Architecture (SA).	27.02.2019 to 27.02.2019



Industrial Visits

Computer and IT Engineering

- The visit to Cyber Crime Laboratory on 12th March 2019 at Navi Mumbai helped students to understand Cyber Crime, its prevention and detection. Students were briefed about the cases related to cyber crime and how they were dealt with.
- The visit to CDAC Pune and Oplent Infotech, on 28th -29th March 2019, Pune helped students to have informative and interactive sessions on Virtual Reality, IOT based products for agriculture and Digital Marketing. Students got the opportunity to see India's first Parallel Super Computer PARAM.

Electronics and Electronics and Telecommunication Engineering

- The Industrial Visit to BSNL Satellite Earth Station, Yeur was organised on 28th July 2018, Saturday by IEEE PCE under the guidance of IEEE Staff Representative Prof. Padmaja B. The Permission for the Industrial Visit was granted by Mr. Arjun Gupta and Mrs. Revathi (BSNL, Yeur)
- Industrial Visit to Barkclay B-6, Nehru Knowledge, Goregaon on 23rd Jan 2019, There student got the knowledge for personal grooming, Self confidence motivation & group discussion. They also helped students to write CV and how to face PI.



Mechanical and Automobile Engineering

- Tarapur Atomic Power Station (T.A.P.S) on 21st September 2018
- Automotive Research Association of India (ARAI, Pune) on 20th October 2018
- Advantek on 18th August 2018
- S.M. Auto Stamping, on 31st August 2018
- Royal Aircon on 5th Jan 2019
- IDEMI on 29th Jan 2019
- Nexa Service Centre at Simran Motors on 12th March 2019
- Crescent cold storage pvt limited, Mahape on 16th March 2019
- Tarapur Atomic Power Station on 12th Apr 2019
- Swegon Bluebox on 15th Apr 2019



Student Activities

Project Based Learning

First, Second and Third year students are all assigned a project every semester that incorporates concepts that students have learned during the semester as well as previous semesters. The students are generally given specific technical problems or challenges to solve in the beginning of the term and they are supposed to implement it by the end. The best projects are given certificates from the department.

Mechanical & Automobile Engineering



SE- 2018-19(Odd)

Rocket Launch Pad



SE- 2018-19(Even)

Mechanical Toy Design



TE- 2018-19(Even)

Automatic Water Filling Device

PBL Topic for SE Mechanical/Automobile Sem III AY 2018-19

Rocket Launch Pad

Student groups are tasked to design a launchpad that can launch a rocket a minimum of 1m vertically in the air. The rocket will have a mass of approximately 50gms and will be provided to the students during the demonstration. The launchpad will be a platform that will impart momentum to the rocket. It can use springs, rubber bands,exible sheets or any pneumatic mechanism to store energy and the impart it to the rocket.The design should ensure that the rocket goes only vertically upwards. It also cannot use any explosives, chemical reactions or reworks to



launch. Students should also design some form of latching mechanism or electrical switch to launch the rocket.

PBL Topic for TE Mechanical/Automobile Sem V

Conversion of Heat to Work

Aim of the project is to utilize heat of a light candle to raise a Rupee Coin vertically to the maximum height possible from ground level. Students can use 1 or 2 candles. • Some constraints to be followed: Candle should not be modified in any way other than to reduce the overall weight by removing some wax. No other source of energy (i.e. kinetic, potential, electrical or chemical) can be used in the project. Safety is of paramount importance. No flammable liquid can be used in the device.





Computer Engineering & Information Technology

Second Year Undergraduate Students (ODD SEM)

PBL Topics:

1. Traffic Signal Demonstration using Applet
2. Contacts Manager
3. Application for school kids for Time & Currency Conversion for various Countries and to display its capital
4. Faculty Profile Generation
5. Find Best student of the year
6. Result Analysis of Students
7. I-CARD GENERATOR SYSTEM for Alegria
8. Develop a simple GUI based application for a Bank system.
9. Employee Leave Management System for college office
10. Tic Tac Toe Gaming Application in Java
11. Java Applet to display Analog Clock





Third Year Undergraduate Students (ODD SEM)

PBL Topics

#	Topic
1	Smoke alarm
2	Online Crime Management System
3	Centralised Admission Process
4	Library Book Tracking System
5	TCP/IP monitoring system for security of lab (lab maintenance)
6	Secure Chat System using steganography
7	Road Speedbreaker detector
8	Smart Lock



Second Year Undergraduate Students (Even Sem)

PBL Topics :

OSTL

- 1 Analysis of Students Result (ML)
- 2 Sentiment Analysis
- 3 Web Application for online ticketing
- 4 Id Card Generator(GUI)
- 5 Supermarket billing System(GUI)

COA

- 1 Simulation for Unsigned Multiplication Algorithm
- 2 Simulation for Booth's Algorithm
- 3 Simulation for Non-restoring Division Algorithm
- 4 Simulation for Restoring Division Algorithm



5 Simulation for IEEE 754 floating point format representation(32-bit)

6 Simulation for IEEE 754 floating point format representation(64-bit)

Computer Graphics

1 Create Balloon shooting game

2 Create Animation of varying star

3 Basic raster graphic editor

4 Tic-tac-toe game

OS

1 Gui based implementation of ls,mv,cp commands in c or Java

2 Gui based implementation of ls,mkdir,rmdir,cat commands in c or Java.

3 Gui based implementation of ls,open, read,write commands in c or Java.

4 Menu driven web pages for all basic Linux commands.

5 Create GUI for Scientific calculator.

6 Search for a given pattern from given file using grep commands also include wildcard character.

7 Separation of parent child process using PIPE.

8 To explore file organization system.





Electronics Engineering & Electronics and Telecommunication Engineering

For July-Dec 2018, the PBL topics were Design multimeter & power supply using Arduino, Energy harvesting using piezoelectric sensors, IR sensor-based counter using Arduino, fastest finger first, digital dice and Arduino based scientific calculator. PBL project exhibition, displaying all the projects was held on 12th October 2018. The projects were assessed based on different parameters like overall organization of the project, understanding of the topic, hardware implementation, analysis of the obtained output and teamwork. Based on the assessment carried out best projects were appreciated and awarded with certificates.

For Second Year Semester III, July-Dec 2018, the PBL topics were:

- Multimeter & Power Supply using Arduino,
- Energy Harvesting using Piezoelectric Sensors,
- IR Sensor based Counter using Arduino,
- Fastest Finger First,
- Digital Dice

For Third year Semester V the PBL topic was Arduino based Scientific Calculator.



For Jan – June 2019, the PBL topics were smart mirror using Raspberry Pi/NodeMCU, Speed measurement of a moving object, IC tester, walkie talkie, colour/coin sorter, smart dustbin and smart watch. PBL project exhibition, displaying all the projects was held on 9th – 10th April, 2019. The projects were assessed based on different parameters like overall organization of the project, understanding of the topic, hardware implementation, analysis of the obtained output and teamwork. Based on the assessment carried out best projects were appreciated and awarded with certificates.

For Second Year Semester IV, Jan-June 2019, the PBL topics are:

- Smart Mirror
- Speed Measurement of a Moving Object
- IC Tester
- Smart Dustbin
- Color Sorter / Coin Sorter



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- Walkie Talkie



For Third Year Semester VI, Jan-June 2019, the PBL topic is:

- Smart Watch using OLED Display



PBL Problem Statements for FE Students 2018-19

Applied Chemistry

1. Working Model on waste management



2. Comparison of alkalinity of liquid soaps

Basic Electrical Engineering

3. Voltage generation by using Wind power
4. Designing and construction of Earth Fault Relay for single phase power system

Applied Physics

5. To determine the time period of a spinner wheel using Laser and its interaction with a semiconducting sensor (LDR). [Output is displayed on a CRO]
6. To determine the Young's modulus of a elastic material using the principle of variation in bandwidth of a wedge shaped film, illuminated by monochromatic light.
7. Implement menu driven program for formulae based on Interference And Diffraction Of Light.
8. Any working model using concept of ultrasonics and acoustics

Engineering Drawing

9. Design & Manufacture knuckle joint (Design using AutoCAD)
10. Design & Manufacture cotter joint (Design using AutoCAD)
11. To determine the time required to empty the funnel with initial water level of 150 mm and with the dimensions shown in the figure.
12. Determine:
 - (a) The appropriate equation for the instantaneous descending velocity of the paratrooper
 - (b) The function of the descending velocity $v(t)$
 - (c) The time required to land

Structured Programming Approach

13. Implement a Contacts Manager which will add contacts, remove contacts, edit contacts, search contacts and view all contacts. In this project students will learn file handling, how to write data, delete data & search data from file.
14. Implement a Modern periodic table for storing name, symbol, atomic number, atomic weight of elements into a file. User can add elements and search for any element based on any one of the feature and display them.





Seminars and Workshops

Date	Details
4th August 2018	Workshop on LABVIEW
25th August,2018	Workshop on Arduino - I
1st September 2018	Workshop on Web Designing
2nd February 2019	Workshop on DBMS-SQL
22nd Feb 19	IOT Workshop
27th Feb 2019	Seminar on " Software engineering and project management " for TE IT students
2nd March 2019	Workshop on Advanced Web Development
6th March 2019	Workshop on "Building Resilience - A key to Women Empowerment" by Ms. Nisha Chandak ,Transformation Coach and NLP Trainer, MD, Purplotus Pvt. Ltd. " on account of International Women's day celebration
9th March 2019	Workshop on Python



Students Council

STUDENT'S COUNCIL AY 2018-19

 VISHAL SINGH (SPORTS SECRETARY)	 SHRUTI SHERKHANE (CULTURAL SECRETARY)	 JITIN NAMBIAR (GENERAL SECRETARY)	 BHUSHAN CHAUDHARI (TECHNICAL SECRETARY)	 ARTHAYA KOYANDE (WOMENS' REPRESENTATIVE)
 NIKHIL GHULE (SE REPRESENTATIVE)	 ABHISHEK PADIR (TE REPRESENTATIVE)	 SINDHURA SHETTY (BE REPRESENTATIVE)	 GIREESH NAIR (PRINCIPAL'S NOMINEE)	 OMKAR HATTANGADI (PRINCIPAL'S NOMINEE)



Alegria 2019

ALEGRIA- The festival of joy, very true to its name, is undeniably the festival of JOY and HAPPINESS. The festival is an emotional rollercoaster where students put in their dedication and hardwork to make it come true.

The mega festival started in 2013 and over the period of time it has witnessed a footfall of over 50,000 people making it one of Mumbai's biggest festival. What makes the festival divergent is the unconventional thinking of the students which allows it to have the most creative themes. The five-day-long festival is filled with memories and the best time of a student's college life.

This year Alegria takes you on a space ride where the constellations will guide you, the stars will chase you and the planets will be your home. The kooky cosmos theme is filled with exciting events and games that will leave an astounding impression on everyone's mind. An astronomical rendezvous is set to take place in February 2019, so grab your spacesuits and join us in this beautiful space ride to infinity and beyond.

Alegria-The Festival of Joy is the Pillai Group of Institutions exciting intercollegiate event. This event was organized in Dr. K.M.Vasudevan Pillai Campus by students of institutes in the campus, i.e. by PCE, PCACS, PIMSR and PICA.

In Alegria, total 94 events were organized in 9 different categories which includes Workshop, Management, Technical, Fine arts, Literary Arts, Performing Arts, Informals, Sports and Gaming. This year the theme of Alegria 2019 was '**COSMOS: TO THE INFINITY AND BEYOND**'.

The Inauguration ceremony was held in the Atrium and inauguration is done by Dr. K.M.Vasudevan Pillai along with Scientist of ISRO.

The Alegria Festival was organized for 5 Days from 5th February 2019 to 9th February 2019. Last day is dedicated to the DJ and Jam sessions performed by 68th worldwide ranked DJ Mariana Bo. Various Famous artists like Aayushmann Khurrana, Zakir Khan performed during Alegria. Alegria gave a platform to students to showcase their talent in front of a huge crowd.

The staff, committee members, heads, volunteers and the students extend their cooperation and made Alegria a 'festival of joy'.





Student Council Activities

Intra-college Football and Throwball Competition for FE

Intra-College Sports Competition at cluster level was held in Pillai College of Engineering, New Panvel from 25th September 2018 to 28th September 2018 in which 160 FE students from different divisions took part in discipline of Football and Throwball with great enthusiasm.

The program was organized and managed by Student Council under close supervision and guidance of PCE Sports in charge, Mr. Yogesh Kene.

On the occasion, FE coordinators, Dr. Arun Pillai and Dr. Manju Pillai along with PCE Sports In charge Mr. Yogesh Kene, congratulates the winning teams and encourages all the students and advises them to take part in the games and other co-curricular activities whenever and wherever organized. Certificates and cash Prizes was also distributed among the runner ups and winners.





Web Development Workshop

On 29 September 2018, a knowledgeable and informative workshop was organized by Alumni Association of our college and was managed by Student Council. This workshop was conducted by our experienced alumnus, Mr. Akhil Menon and Mr. Vishnu Nair.

Then the workshop commenced at 12 noon with the introductory ceremony by Prof. Apeksha Chavan, Secretary of the Alumni Association. These workshops were organized to provide basic knowledge to students about web development using HTML, CSS etc.

The workshop concluded with a vote of thanks followed by which mementos and letter of appreciation were handed over to the speakers.

Garba Night 2018

PCE Student council organized Garba Night 2018 on 13th October 2018 that marks the celebration of Navratri. This event was a symbol of unity among the youth of the institute as students from all the institutes of Dr. K.M. Vasudevan Pillai Campus joined the celebration the fun and frolic event of Garba night commenced in the presence of around 500 students.

Some of the students dressed up in various authentic wears while some showed up in their traditional attires. The DJ session was conducted by DJ MSK and team. The delightful sight of



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energetic light-footed young boys and girls swirling in graceful rhythmic. Traditional Garba music, along with some peppy Bollywood songs kept everyone glued to the dance floor throughout the evening till the very end of the event.

The students enjoyed the event thoroughly and the event was a grand success.

EFL(Engineering football league)

EFL 2019 Inauguration:

The EFL 2019 was inaugurated by Sports department head John Sir along with Vikas Sir and Dhiraj Sir. It was conducted in the presence of PCE Sports coordinator Yogesh Kene sir on 25th February 2019. The event was conducted from 25/02/2019 to 07/03/2019 after 3:30 PM.

Cultural Days

The Cultural Days was organized by Student council between 8th April 2019 to 11th April 2019. During these days a specific theme was decided for each day and students dressed according to those themes. These days were organized for fun and enjoyment of students from their regular routine. This year Red and White day Mismatch Day, Group/Twin day, Hoodie day and Jersey day were celebrated as a cultural days.

Rose Day

Rose Day is one of the most favorite and joyful function which was organized by Student Council in Pillai College of Engineering on 11th April 2019. The Rose Day was celebrated in Artificial Lawn. The preparations for Rose Day started a week before where students who were interested to celebrate rose day registered themselves.

During function students who registered themselves were invited on stage to dedicate roses to their loved ones. The Anchors brought enthusiasm and entertained the audience in a funny and Romantic way. Also, group dances and musical band were performed by students which made this event more enjoyable. The function was concluded by a Band Performance followed by a jam session.

ADIEU:

The Student Council of Pillai College of Engineering organized 'ADIEU'-Farewell Party for BE students on 12th April 2019. This Farewell Party was held on the Main Ground. The Farewell Party commenced with Principal Sir's speech followed by declaring the Outstanding Student Award. In this ceremony the students were nominated from each branch by their respective HODs. From this



Nominated 7 Students, two students were selected as OUTSTANDING students. Our Principal Dr. Sandeep Joshi sir and HOD's of all branches presented the award to Shrey Jakhmola and Pallavi Aher.

Soon after this cake cutting ceremony was held in the presence of Ex-Student council members, Principal and the HoD's. BE students shared their experiences and Journey and their feelings about the college life followed by a band performance and felicitation of different funny awards arranged by working student council which included "Mr./Ms. PCE, Eid ka Chand, makeup queen, best smile etc."

Then DJ session was conducted by DJ MSK and team. Students enjoyed each and every moment of the farewell party. At the time of dinner a Video clip was shown to them based on photos submitted by them which showcased their journey in PCE.

ADIEU 2019 was successfully conducted and was a delightful farewell for our Seniors. Kudo to creative team for their efforts and sincere thanks to all the faculties for their help and support.

Farewell Function

Third year students organized a warm Farewell Party for B.E students on 12th April, 2019. It was full of fun, emotions and loads of best wishes. The programme commenced with the address by the principal, Dr. Sandeep Joshi where he spoke encouraging words of wisdom for the final year students which was followed by HOD's of Mech, Auto, Computer, IT, ETRX and EXTC.



HAPPILY ADDICTED - SAY NO TO DRUGS

Navi Mumbai Police in association with Pillai Group of Institutions arranged a drive against the use of drugs wherein PCE student Council and Organizing committee of PIMSR actively organized different events in the campus to create awareness on the hazards of drugs abuse.

The chief guest of the event was Mr. Tushar Doshi (Commissioner-Navi Mumbai) and his team. The event commenced with a brief introduction about the event followed by a small message by the chief guest. Students and staffs took an oath to stay away from drugs and other addictions. Events like Rangoli competition, poster making, group dance, slogan designing and solo speech were organized based on the above theme. Students came forward to speak up about the activities they love, which keeps them motivated, the activities they are happily addicted to

The event ended by felicitating the winners and the organizing team by the commissioner and his team.



मराठी भाषा दिन सोहळा

२७ फेब्रुवारी २०१९

शिक्षकांच्या पुढाकाराने आणि विद्यार्थ्यांच्या सहकार्याने पिल्लई कालेज आफ इंजिनीरिंगमध्ये २७ फेब्रुवारी २०१९ रोजी “मराठी राजभाषा दिन” साजरा करण्यात आला.

सगळे गुरुवर्य व मुले ठरलेल्या वेळेवर जमले आणि मग कार्यक्रमाची सुरुवात झाली. कॉलेजच्या मुख्याध्यापक , श्री . संदीप जोशी सरांनी आपल्या मनोगताने ह्या कार्यक्रमाची सुरुवात केली. त्यांनी मराठी भाषेचा इतिहास सांगितला. तसेच त्यांनी मातृभाषेतून शिक्षण घेण्याचे फायदे सांगितले.

अनेक शिक्षकांनी आपले मराठी भाषेवरील मनोगत मांडले, काहींनी लेख वाचून दाखवले आणि सोबतच अनेक किस्सेदेखिल रंगले . कॉम्प्युटर इंजिनीरिंग च्या प्रमुख डॉ . शर्वरी गोविलकर मॅडम ने मराठी भाषे चे व्यवहारातले महत्व या विषयी चे भाषण केले .

त्यांनतर मुलांनी विविध कार्यक्रमांचे व्यासपीठावर येऊन प्रदर्शन केले. बहुतेक मुलांनी मराठी भाषेवर , महान मराठी व्यक्तिमत्वांवर भाषणे केली, काहींनी पोवाडे गायले तसेच काही मुलांनी स्वतः लिहलेल्या कविता सादर केल्या.

खरंच त्या दिवशी आपल्या सर्वांच मराठी भाषेवरील प्रेम आणि स्वाभिमान दिसून आला. सर्वांच एकच म्हणणं होतं की, आपल्या मराठी भाषेला आणि संस्कृतीला आपण जपायला हवं तरच ती पुढे अखंड राहील. अशारीतीने ह्या कार्यक्रमाची सांगता झाली.

“पूर्वी म्हणे माणसाला शेपुट होती, तिचा वापर झाला नाही आणि ती गळून पडली. आपल्या भाषेच तस व्हायला नको , नाही का?” असे बोलून मुख्याध्यापकांनी कार्यक्रमाची सांगता केली



Principal Dr. Sandeep Joshi addressing to students and faculties



Dr. Sharvari madam and Dr Lokhande sir delivering speech on Marathi bhasha din





Maker's Day

MAKER'S DAY
11 JANUARY 2019

1. 3D Printer- Felix PRO 1, Ultimaker 2exd
2. WILDTHUMPER - A remotely controlled vehicle
3. DJI Inspire 1 & Phantom 4
4. GCC Laser cutter
5. Virtual Reality Oculus
5. TableTop CNC
6. Component library
7. Ferrofluid
8. Shape memory alloy
9. Microcontroller-Arduino, ROS

GET HANDS-ON @ RESEARCH LAB P001

Softwares

1. AutoCAD
2. Solidworks
3. Ansys
4. LabView

GET HANDS-ON @ CAD CAE LAB J201

**Dr. K. M. Vasudevan Pillai Campus, 10, Sector 16, New Panvel,
Navi Mumbai, Maharashtra 410206**



Inspection Instruments:
Verniers, guages, micrometers and comparators (mechanical and optical)

GET HANDS-ON @ METROLOGY AND QUALITY CONTROL J202



1. Multipurpose M6-Used for turning and drilling of small products.
2. CNC Turning and milling
3. Shake Hand with Yourself



GET HANDS-ON @ CAM LAB - R002

1. Complete Tool box
2. Gear box
3. Batteries
4. Multifuel engines



GET HANDS-ON @ AUTOMOTIVE LAB - WORKSHOP SHED



1. Universal Testing Machine
2. Impact testing
3. Hardness testing

GET HANDS-ON @ STRENGTH OF MATERIAL LAB - R003

1. Metallurgical Microscope with camera
2. Polishing machine (to prepare clean metallic surface)
3. Mounting resin - to make metallographic samples
4. Density measurement for any solid/porous object
5. Muffle furnace (upto 1000°C)



GET HANDS-ON @ Material Technology Lab- J102



1. Learn assembling and disassembling of PC

GET HANDS-ON @ PC Assembling & Debugging- S103



1. Atmel 89v51RD2
 2. PIC Microcontrollers
 3. Various Interfacing devices like DC Motor, Stepper Motor, ADC/DAC converter, LCD, Keypad, Traffic signal.
- Applications: Calculators, Games machine, Traffic light Control, Counters, Shift registers.

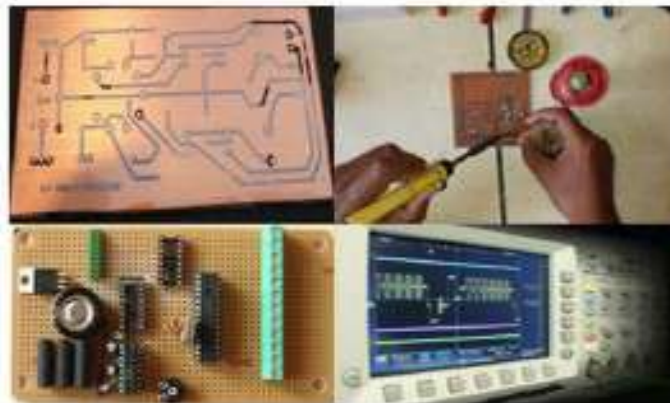
GET HANDS-ON @ MICROPROCESSOR AND CONTROLLER -T401



1. LPC 2148, Xbox, Wireless camera
2. Microcontroller 8051 and AVR 8056 All kind of development tools and software's are available.

Application: Robot available for application development

GET HANDS-ON @ ROBOTICS LAB - J102



1. Analog modulation and Demodulation kits.
 2. Digital Modulation and Demodulation Kits
- Various Antennas, Digital signal Processing Kits.

Application: Filter Designing as per cut off value, Designing of antenna for various gain, GSM Based wireless controller

GET HANDS-ON @ ADVANCED COMMUNICATION LAB - T403



1.Specialized networking hardware like CISCO routers, switches, WAN controller, NICcards, cables etc

2.Softwares -

ZTI IP Traffic Test And Measure - For complete network testing.

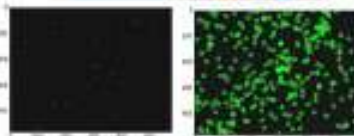
QualNet Simulator - Advanced network and protocol simulator.

GNS3 - A network software emulator which can simulate complex networks with virtual and real Cisco devices.

Packet Tracer - Network simulator by Cisco to simulate computer networks.



GET HANDS-ON @ ADVANCED NETWORKING LAB - S101



- 1.Image Processing to find no of stars.
- 2.Web development
- 3.Data Visualization
- 4.Data Science

GET HANDS-ON @ Python & its applications- S107/8

1.The Lab contains Data Mining and Big Data tools like

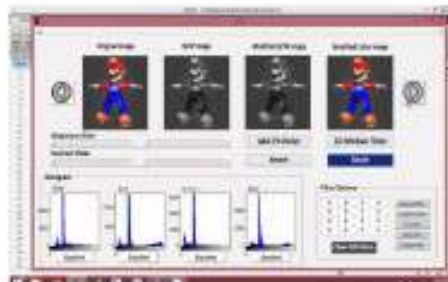
Weka, Hadoop, NoSQL Databases and MapReduce.

2.These tools can be used to work on any Big Data Analytics project and research work.

3.Introduction and application of microcontroller like

Node mcu, Arduino, Raspberry Pi

GET HANDS-ON @ BIG DATA AND IOT LAB - R101



Rational Software Architect

1.Creating forensic duplicates using FTK imager.

2.File system analysis using the slueth kit-Autopsy.

3.Data acquisition and file recovery using ferencic tools-ProDiscover Basic,Access data FTK.

4.Data hiding using Steganography tools-S Tool

5.Log & traffic capturing and analysis tools-wireshark

6.Email and Mobile forensic tools- AccessData FTK

7.MATLAB-GUI

GET HANDS-ON @ DIGITAL FORENSIC LAB - S207



Code for location e.g P-201

P: Wing Name (Alphabets viz; P, J, T, S)

2: Second Floor (single digit numeral indicates the floor. 'Zero' implies ground)

01: Lab Number (double digit numeric)

LOCATION MAP



Annual Report 2018-19

The maker culture is a contemporary culture or subculture representing a technology-based extension of DIY culture that revels in the creation of new devices as well as tinkering with existing ones. With the above spirit, PCE is organises a MAKERS' DAY every year. During this time, all the facilities available for creative pursuit would be provided free access to all the students for a hands-on feel. The exposure is expected to inspire students to make things, may be for PBL, BE project, mini-project or just satisfying his creative impulse.



Outstanding Student Award

Every year Pillai College of Engineering recognizes an undergraduate student who have both excellent academic profile (as per the CGPA) along with good overall profile in extracurricular activities, social work and awareness and in the final year of studies for the Outstanding Student Award.

Procedure:

1. Registrar will announce a call for applications for the award at the end of each academic year
2. Final year students can make an application to the head of department
3. Head of the Department will shortlist upto 3 candidates and forward it to the student activities committee for evaluation
4. The committee will shortlist further and call the candidates for an interview
5. The committee will then select the winning candidate and will announce the winner
6. The student will receive the award along with a cash prize.

Outstanding Student of the Year

Year	Name of Student	Branch
2018-19	Pallavi Arvind Aher	MECH
	Shrey Suresh Jakhmola	COMP





B.E. Project Competition

This year PCE had organized B.E. Project Competition for the students from all the departments on 18th April, 2019. The goal of this event was to acknowledge students with emerging ideas in this fascinating and expanding world of science and engineering. Thus, this competition manifests the conglomeration of talent, intellect, innovation and competitive spirit of the students. The 9-10 top teams from each department were nominated by the HODs for a campus wide exhibition to display their final year projects. Finally, the top 3 teams were selected from each department for a cash reward of Rs. 10,000 per team.

The criteria for evaluation was:

1. Originality
2. Technical Complexity
3. Commercial Viability or Benefit to Society
4. Quality of Literature Review
5. Aesthetics





Mathematics Quiz

Department of Applied Mathematics organized its annual activity, Mathematics Quiz on 6th October, 2018 for the First year and Second year engineering students. The main objective of this quiz was to make students understand the basics of Applied Mathematics in an interesting and challenging way. This would be a great help for those students who prepare for competitive examinations like Gate. Six groups consisting of twenty-four students were selected for final quiz after elimination round. The final quiz had three rounds namely Mastermind round, Bonus round and Fastest Finger round. The first three winning groups were awarded with cash prizes of rupees five thousand, three thousand and two thousand respectively and rest of the finalists were given the certificate of participation.





Vocabulary Treasure Hunt

The Humanities Department organized Treasure Hunt activity for the first year students on 30th March, 2019 for enhancing their vocabulary. In order to make it interesting, challenging as well as competitive, an element of game was introduced. The game was designed in the form of Treasure Hunt and was different from the usual Treasure hunt, in the sense that here the students were expected to hunt for the appropriate word and make a meaningful sentence, and not the place. This activity helped students to learn by enjoying and playing. Vocabulary is a key element in the construction of sentences and presenting one's ideas with clarity and confidence. It is with this idea the game was introduced for the first year students. As many as 369 students participated in this activity.





Placements

List of Students Placed - 2019 Batch

Sr.No	Name	Branch	Company
1	ADITI SHARMA	IT	LTI
2	AISHWARYA THORVE	COMPS	LTI
3	NIKITA YADAV	COMPS	LTI
4	SHREYA JAYACHANDRAN	COMPS	LTI
5	SHREY JAKHMOLA	COMPS	LTI
6	ARADHANA POTTETH	COMPS	LTI
7	KRITIKA SHAH	IT	LTI
8	JIDNASA PILLAI	COMPS	LTI
9	RAGHAV MISHRA	IT	LTI
10	ROHAN LONDHE	IT	LTI
11	NIKHIL NAIR	COMPS	LTI
12	DIVYA SHETTY	EXTC	LTI
13	SINDHOORA SHETTY	EXTC	LTI
14	MRUDUL BORNARE	IT	LTI
15	AKSHATA NEVREKAR	COMPS	LTI
16	SHRAVAN NAMBIAR	COMPS	LTI
17	SHEETAL KADAM	ETRX	LTI
18	AYUSHKUMAR PILLAI	COMPS	LTI
19	DIVYESH SINGH	IT	LTI
20	PRATHMESH CHAVAN	COMPS	LTI
21	VEDANT PATIL	IT	Majesco
22	JAYESH THAKUR	IT	Majesco
23	MANALI THOMBARE	IT	Majesco
24	SHIVAM UPADHYAY	IT	Majesco



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25	SHRAYESH KANADE	COMPS	Majesco
26	JITEN PATIL	COMPS	Majesco
27	PHAGURAH MANMEET	COMPS	Majesco
28	NIDHI CHIPKAR	COMPS	Majesco
29	EMMATY SHERIN THOMAS	COMPS	Majesco
30	BHABYA MISHRA	COMPS	Majesco
31	UMESH LOHOTE	ETRX	GEP
32	GIRI BRIJESH VEER BAHADUR	COMPS	GEP
33	PRIYANKA BORSE	IT	GEP
34	SINGH SIMMI ARVIND	IT	GEP
35	SONI SHIVAM RAKESH	COMPS	GEP
36	NAIR SWATI SASINDRAKUMA	COMPS	GEP
37	ADAK MANDIRA MANINDRA	COMPS	GEP
38	SRUTHI SURESHBABU	COMPS	GEP
39	CHAVAN RUSHIKESH BALU	COMPS	GEP
40	SHETTY AYUSH RATHNAKAR	IT	Ugam Solutions
41	ANAND DESHMUKH	COMPS	Ugam Solutions
42	BHARGAVI ACHARYA	COMPS	Ugam Solutions
43	UZAMA NAIK	COMPS	Ugam Solutions
44	RAMMOHAN PALLIYIL	COMPS	Ugam Solutions
45	SHWETA PURUSHOTHAMAN	COMPS	Ugam Solutions
46	KOMAL BISHT	IT	TCS
47	VIPULKUMAR SINGH	EXTC	TCS
48	APURVA TAMHANKAR	COMPS	TCS
49	ANUJ P EAPEN	COMPS	TCS



50	MAYURI CHILEKAR	COMPS	TCS
51	FENNY ZALAVADIA	COMPS	TCS
52	PRIYANKA PACHPANDE	COMPS	TCS
53	ADBUL QADIR S	EXTC	TCS
54	AMRUTA SALVI	IT	TCS
55	JEET NAVADHARE	COMPS	TCS
56	PRASHANT NILADHE	IT	TCS
57	SHREY JAKHMOLA	COMPS	TCS
58	HIMANSHU KALONI	COMPS	TCS
59	NEERAJ KOLI	COMPS	TCS
60	MOHIT RAI	IT	TCS
61	SHUBHAM PATHAK	COMPS	TCS
62	SAURABH METE	COMPS	TCS
63	ALWIN ALEX	IT	TCS
64	ROHIT PILLAI	COMPS	TSS
65	RAHIL BIRARI	MECH	TATA- AIG
66	MUKIL NAIR	MECH	TATA- AIG
67	TUSHAR JOGDAND	MECH	TATA- AIG
68	SOFIA RAO	IT	Sankey Solutions
69	MEGHA MENON	COMPS	Endurance International
70	ARVIND NAIR	COMPS	Endurance International
71	JIGYASA SINGH	COMPS	Imarticus LEarning Pvt Ltd
72	SHUBHAM KHAIRNAR	EXTC	Imarticus LEarning Pvt Ltd
73	DIVYANI SHETTY	MECH	SMEC
74	SAUMYA KHEDKAR	MECH	Nimbus Logistics
75	APURVA DALVI	IT	NIKTECH
76	SIDDHI SANKHE	EXTC	Reliance Retail
77	FATIMA KHAN	IT	Reliance Retail
78	SUMIT KHARCHE	EXTC	Reliance Retail



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79	KARAN SHAH	COMPS	Reliance Retail
80	ANIMESH OZE	IT	Reliance Retail
81	GOURAV PRAJAPATI	IT	Reliance Retail
82	TANMAYEE PATANGE	COMPS	Reliance Retail
83	PRADNYA SHINDE	EXTC	Reliance Retail
84	ANKIT UPADHYAY	EXTC	Reliance Retail
85	KEERTI DUBEY	EXTC	Reliance Retail
86	SHUBHANGI PANDEY	COMPS	Reliance Retail
87	ANIRUDH PRADEEP NAIR	COMPS	Byjus (Think & Learn Pvt Ltd)
88	DEEPANSH CHATURVEDI	IT	SOGO SURVET (ZARCA)
89	SAIGANESH SHETKAR	AUTO	DYSON LTD
90	SAYLEE PAWAR	IT	ATOS SYNTEL
91	VAIDYA KAUSTUBH SUSHRU	IT	ATOS SYNTEL
92	ANSARI MD. EHTESHAM MAQ	IT	ATOS SYNTEL
93	PRAVIN TAMBE	IT	QSPIDERS
94	ANUSHREE DASH	EXTC	QSPIDERS
95	VAISHNAVI BANSOD	IT	QSPIDERS
96	ANUJ CHHABRA	ETRX	QSPIDERS
97	SRIYA M.S	EXTC	QSPIDERS
98	KARISHMA NETAKE	COMPS	COGNIZANT
99	SUMESH SHETTY	IT	COGNIZANT
100	AKANKSHA PANDEY	IT	COGNIZANT
101	ROHAN SUDHIR LONDHE	IT	COGNIZANT
102	SURAJ KRISHAN YADAV	IT	COGNIZANT
103	SUSMITHA NADAR	COMPS	COGNIZANT
104	SHREYAS MOOLYA	ETRX	NEXA
105	TEJAS KADAM	EXTC	NEXA

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106	APURVA PATIL	IT	RELIANCE INFOCOMM LTD	JIO	
107	NIKHIL HARKANGI	COMPS			
108	PRANAY SHARMA	COMPS			
109	ROHINI STANLY	COMPS			
110	SABYASACHI NATH	EXTC			
111	RIYA SAWANT	IT			
112	PADMESH GADGE	COMPS			
113	ABHISHEK BHOGAL	COMPS			
114	MANTHAN PARVADIA	IT			
115	VRUTANT MEHTA	IT			
116	BIRJEES PATEL	IT			
117	SAYOOJYA DINESAN	COMPS			HEADSTRAIT SOFTWARE
118	NIKHIL ELAYATH	IT			
119	PRATISTHA MISHRA	COMPS	SUTHERLAND GLOBAL		
120	VAISHNAVEE DESHMUKH	COMPS			
121	SHRUTI PINGALE	EXTC			
122	RAHUL PUSHPALA	COMPS			
123	AAKASH BHOSALE	EXTC			
124	ASHISH GUPTA	EXTC			
125	SAHIL RAORANE	COMPS			
126	SHASHANK RAVINDRAN	IT			
127	SAKSHI NAIK	IT			
128	DARSHANA NAIR	IT			
129	ADITI GURAV	COMPS			
130	JOEL RUSKIN	EXTC			
131	VISHAL SHRIVASTAVA	IT			
132	ASHWIN NAIR	IT			
133	ROHAN KARKERA	IT			
134	SURAJ TAWDE	AUTO	ELEATION ACADEMY		



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135	SHRAVAN RAIKAR	MECH	HFFC
136	MAYUR WAGH	AUTO	
137	METHU DAMODARAN	COMPS	
138	JOBIN GEORGE	COMPS	
139	ATHIRA RAJESH	IT	
140	ABHIJIT TUPE	MECH	RELIANCE RETAIL LTD
141	AJAY VASUDEVAN	MECH	
142	RUSHIKESH SHIRKE	MECH	
143	ABHISHEK SHINGOTE	MECH	SANMAR
144	ANAND RANE	MECH	
145	VOVAL JAIN	IT	IFI TECHSOLUTIONS
146	AKASH ROY	COMPS	
147	SARVESH PANDEY	IT	
148	SIDDHI MORAJKAR	IT	
149	ROHAN MUDLIAR	COMPS	MITR LEARNING & MEDIA PVT LTD
150	PRANAV NAIR	MECH	ADITYA BIRLA SCIENCE AND TECHNOL
151	HARSHVARDHAN PATIL	MECH	
152	GAURAV PATIL	EXTC	
153	Pranita Kalbhor	Mech	TATA Consulting Engineers

**List of companies for Campus Placements**

Sr.No	Name of Company	Branch
1	LTI	COMPS/IT/ETRX/EXTC
2	MAJESCO	COMPS/IT/ETRX/EXTC
3	TSS CONSULTANCY PVT LTD	COMPS/IT/ETRX/EXTC
4	TATA AIG	MECH & AUTO
5	ADVANCE COMPUTER SERVICES	COMPS/IT/ETRX/EXTC
6	TCS	COMPS/IT/ETRX/EXTC
7	GEP	COMPS/IT/ETRX/EXTC
8	UGAM SOLUTIONS	COMPS/IT/ETRX/EXTC
9	INDIAN NAVY	COMPS/IT/ETRX/EXTC/MECH/AUTO
10	ACROTREND	COMPS/IT
11	SANKEY BUSINESS SOLUTIONS	COMPS/IT/ETRX/EXTC
12	KONKAN RAILWAY	ETRX/EXTC/AUTO/MECH
13	PARAMATRIX TECHNOLOGIES	COMPS/IT
14	MIRRAW ONLINE SERVICE PVT. LTD	IT & COMPS
15	NIMBUS LOGISTICS	MECH/AUTO
16	ELEATION ACADEMY	MECH/AUTO
17	ATOS SYNTEL COMMUNICATION	IT/COMPS
18	JARO EDUCATION	COMPS/IT/AUTO/MECH/ETRX/EXTC
19	RAVE TECHNOLOGY	COMPS/IT/EXTC/ETRX
20	RELIANCE RETAIL	COMPS/IT/EXTC/ETRX/MECH
21	QAD	COMPS & IT
22	BYJU'S (Think & Leaning Pvt Ltd)	COMPS/IT/EXTC/ETRX/MECH/AUTO
23	ALPHA FINSOFT PVT LTD	IT & COMPS
24	BALMER LAWRIE & CO LTD	IT/ETRX/MECH/AUTO/EXTC/COMPS
25	INDIAMART	IT/ETRX/MECH/AUTO/EXTC/COMPS
26	IRIS	COMPS & IT



27	ALLERIN	COMPS & IT
28	SANMAR GROUP	AUTO & MECH
29	COGNIZANT	COMPS & IT, ETRX & EXTC
30	DYSON	COMPS/IT/ETRX/EXTC/AUTO/MECH
31	ZARCA	COMPS/IT/EXTC/ETRX
32	PERIURJA ENERGY PRIVATE LIMITED	MECHANICAL & ELECTRICAL
33	CLOVER INFOTECH	COMPS & IT
34	SOGO SURVEY (ZARCA)	COMPS & IT, ETRX & EXTC
35	CACTUS	COMPS & IT, ETRX & EXTC
36	NEXA MUMBAI	MECHANICAL/ELECTRONICS/EXTC
37	VISTAAR TECHNOLOGIES	COMPS & IT
38	QSPIDERS CAMPUS CONNECT	COMPS & IT, ETRX & EXTC
39	A ONE SALASAR PVT LTD.	COMPS & IT
40	RELIANCE JIO INFOCOMM LTD	COMPS & IT, ETRX & EXTC
41	SAP	COMPS & IT, ETRX & EXTC
42	HARMAN INTERNATIONAL	COMPS & IT, ETRX & EXTC
43	TATA CONSULTING	ELECTRONICS & MECHANICAL
44	ACTY SYSTEM PVT LTD	COMPS & IT
45	COMUNUS TECHNOLOGIES PVT LTD	COMPS & IT, ETRX & EXTC
46	HOME FIRST FINANCE COMPANY	COMPS/IT/ETRX/EXTC/MECH/AUTO
47	MITR LEARNING AND MEDIA PVT LTD	COMPS & IT
48	HEADSTRAIT SOFTWARE	COMPS & IT, ETRX & EXTC
49	NATIONAL TECHNICAL RESEARCH ORGANIZATION (NTRO)	COMPS & IT
50	ADITYA BIRLA SCIENCE & TECHNOLOGY PVT LTD	COMPS & IT, ETRX & EXTC, MECH & AUTO
51	AMAZON AWS (ONLINE TEST)	COMPS & IT, ETRX & EXTC
52	SATTRIX INFORMATION SECURITY PVT. LTD	COMPS & IT, ETRX & EXTC
53	CARWALE	COMPS & IT, ETRX & EXTC



54	ESCAN	COMPS, IT & EXTC
55	QUINNOX	COMPS & IT
56	ATIDAN TECHNOLOGY	COMPS & IT, MECH & AUTO
57	SUTHERLAND	COMPS & IT, ETRX & EXTC
58	IFI TECHSOLUTIONS PVT LTD	COMPS & IT
59	HIREMEE	COMPS & IT, ETRX & EXTC, MECH & AUTO
60	SYSTEMICS	COMPS & IT
61	GODREJ INFOTECH	COMPS, IT & EXTC
62	SUPERAUTO	MECHANICAL & EXTC
63	LOKESH MACHINE	MECHANICAL & EXTC
64	KINETIC TAIGINE	MECHANICAL & EXTC
65	SAURABH FLEXIPACK	MECHANICAL & EXTC
66	ECLERX	MECHANICAL & EXTC
67	STRUCTURAL SIMULATION	MECHANICAL & AUTO
68	COURSE5 INTELLIGENCE PVT. LTD.	COMPS & IT, ETRX & EXTC
69	NEEYAMO ENTERPRISE SOLUTIONS PRIVATE LIMITED	COMPS & IT, ETRX & EXTC
70	SERVOSYS SOLUTIONS	COMPS & IT
71	CENTILLION	COMPS & IT
72	NIPPON AUDIOTRONIX	MECHANICAL & ELECTRONICS
73	PINCLICK	COMPS & IT, ETRX & EXTC
74	ACZET PVT LTD	ETRX & EXTC, AUTO & MECH
75	XORANT	COMPS & IT, ETRX & EXTC
76	SWAN SOLUTIONS & SERVICES PVT LTD	COMPS & IT
77	CHOICE TECHLAB SOLUTIONS PVT LTD	COMPS & IT, ETRX & EXTC
78	VERZEO	COMPS/ IT, ETRX & EXTC, AUTO & MECH
79	TRAVELXP	COMPS & IT



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80	MARQUIS TECHNOLOGIES	EXTC
81	DHANAJAY GROUP	MECH
82	IDBI BANK	IT/COMPS
83	FITNESS FORCE	IT/COMPS

**Career guidance and training programs**

SR. No	Activities conducted through training and placement cell for career guidance and training programs.	Date
1.	Big Data and Hadoop Technology (TCS)	18th Jan 2019
2.	Career Opportunity in Public Sector Unit by GATE	18th Jan 2019
3.	Career in Industrial automation and oil and gas piping industry by SMEC	25th Jan 2019
4.	CV writing workshop	29th Jan 2019
5.	Byju's Career Guidance	26th March 2019
6.	Secret formula Guidance session on preparation for Infosys & TCS through InfyTQ & Code vita by Dr. P.S.Lokhande	10/6/2019
7.	Build In block chain- Blocklogy- Elearning App	19th March 2019
8	Mock Aptitude Update & Pi Schedule	30th JULY 2018
9	Campus Credential Training	1st SEP 2018
10	Softskill Workshop (Career Readiness Program)	8th & 9th SEP 2018



MAHA ENTREPRENEURSHIP SUMMIT



**MAHA
ENTREPRENEURSHIP
SUMMIT
2019**
9-10 March
9:00 am to 6:00 pm

In Association with  Keeda
www.ekeeda.com

Organized by  Pillai
Maha Training & Placement
Officers Association (MTPA)

BENEFITS

- 1) OPPORTUNITY TO GET INVESTMENT FROM INVESTORS
- 2) PARTICIPATION CERTIFICATE OF NATIONAL LEVEL EVENT
- 3) PLATFORM TO VALIDATE YOUR BUSINESS IDEA THROUGH FOUNDERS AND CEOS OF OTHER COMPANY
- 4) EXPOSURE TO A WIDER PUBLIC BASE WITH PEOPLE FROM DIFFERENT BACKGROUNDS

PANELS



HARSHAD BELE
FOUNDER (EX-IPS)
CONNECT INDIA IAS ACADEMY
"Why Start-ups fail?"



SACHIN TEKE
FOUNDER
M-INDICATOR
"Entrepreneurship at Campus"

KEYNOTE SPEAKERS



ASHISH JHALANI
FOUNDER
ETAILING INDIA
"10 Steps to Start-up"



SACHIN DEDHIA
FOUNDER
SKYNET SECURE SOLUTIONS
"Cyber Security"



NITIN POTDAR
CORPORATE LAWYER
J. SAGAR ASSOCIATES
"3 Legal Steps to Start-up"



NAYAN BHEDA
FOUNDER
EDWANTEZ
"How to raise funding"



SUBHROTO CHAKRABORTY
FOUNDER
THE DIGITAL FELLOW
"Marketing 3.0"



DEVESH CHAWLA
INVESTOR
NIUS HOME AUTOMATION
COMPANY
"Idea Validation"

- PRIZE MONEY -

Total prize money worth
₹ 1,00,000

TYPES OF COMPETITIONS

- Business Idea
- Business /Research Model

START-UP AWARDS

Best Start-Up Awards
An opportunity for Start-Ups to be recognized and awarded by the "TOP START-UP AWARD"

Entry Fee : Rs. 2500/-
(for established Star-Ups)

VENUE : PILLAI COLLEGE OF ENGINEERING, NEW PANVEL

+91 8452070662 www.matpo.in mes@matpo.in
+91 7021437293 For further enquiries

How to Register for Start-up Competition

Download & Register in Ekeeda The Learning App

Click on Menu

Click on Start-up Competition & Submit the form

How to Register for Visitor Entry

Download & Register in Ekeeda The Learning App

Click on Menu

Click on Visitor Registration & Submit the form

Get a code
A check at entry with college ID



Internship: Industry Interaction for Training

Different inhouse and outsourced industry training programs are regularly arranged to bridge the gap between Industry and Academia, to make the student industry ready various cutting edge programs like Jav , Python, Machine Learning , CAD CAM, Circuit designing, Solar making are conducted in house by the department faculty members.

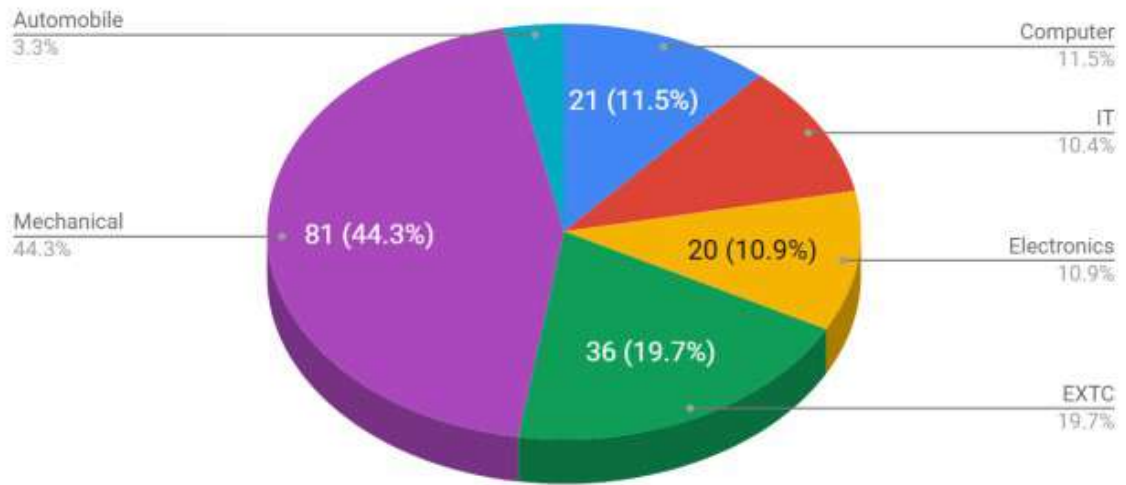
Institute is having Tie-up with training agencies to train the students in Aptitude and Softskill by Campus credentials, Berklays,

Internships for students: Institute encourage the students to take the internship at various companies/ organizations. Placement cell is providing all necessary help to give internship support to all interested students

Branch/ Batch 2019					
Computer	IT	Electronics Engg	Electronics & Telecom Engg	Mechanical Engg	Automobile Engg
21	19	20	36	81	6
Total: 183					



Internships - 2019 Batch



**MoU signed with Institution/Industry at PCE**

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise
1	IEOT	ONGC, Govt.of India	2018-19	01 year	1. Internships for students 2. expert lectures 3.Industrial visit to IEOT 4.Library usage of IEOT
2	Indian institute of Packaging	IIP,Ministry of Commerce, Govt.of India	2018-19	03 years Extensible upto 5 years	Summer internship to 4-5 students every year
3	Brainiac IP Solutions	Brainiac IP Solutions Pvt. Ltd.	2018-19	06 months	Drafting and Patent Filing,IPR
4	CISCO	Mahatma Education Society	2018-19	01 Year	IoT Connecting Things , Big Data & Analytics Instructor Training ,CCNA R & S Instructor Training
5	Biocrux	BIOCRUX INDIA PVT. LTD.	2018-19	03 years Extensible upto 5 years	Recognition for Institute for conducting R&D ,Packaging and waste management like Automation,functionality,IOT etc
6	ATS voice and data	Access Telematic System, Mumbai	2018-19	05 years	1. Internships for students, 2 Development of projects, 3.Live projects at client locations,4. Training and workshops.



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7	IFS Academy	CAD/CAM Training Pvt. Company	2018-19	03 months	Authorised CAD/CAE training centre (Conducted courses on CATIA and CREO between August - October, 2018)
8	Indian Centre for plastics in the Environment	ICPE	2018-19	03 Years	Conducting R & D in the field of Plastic packaging and Information Exchange



Events & Activities

Graduation Function

Degree Certificate Distribution Function to all graduating students of PCE for the Academic year 2017-2018 was held on 24th February, 2019 in PCE Auditorium. Mr. G. Udayabhaskar, Senior Vice President and Head Corporate, Environment Reliance Industries Limited was the Chief Guest of the function.







Freshers Day

AARAMBH:

On 8th September 2018, the Student Council of Pillai College of Engineering organized the colorful and memorable Fresher's 2018 – "AARAMBH" and this event was held in Auditorium. The theme of AARAMBH in 2018 was "*NEON-Lumous Maxima*".

The event commenced with the arrival of COO, Dr. Priam Pillai, Deputy CEO Franav Pillai and Principal Dr.S.M Joshi .There was a colorful welcome followed by lighting of the lamp. It was followed by a welcome speech by our Principal, Dr. Sandeep. M. Joshi. followed by presentation of bouquet to the invited guest and the grand event began.

The events of the Fresher's program included Felicitation ceremony and the event Mr. and Ms. Fresher's 2018 followed by Jam session. During the Felicitation ceremony, many rank holders from their respective departments got felicitated by dignitaries for their outstanding academic achievements.

After Felicitation ceremony, Mr. and Ms. Freshers competition takes place. Ten finalists got selected after auditions. Contestants went through an Introduction Round which was followed by Talent Round. In this they showcased their talent. Out of the ten contestants, only six contestants got shortlisted for the final Q&A Round. Our Judging panel consisted of: Prof.Apeksha ma'am, Prof.Florence ma'am, Prof.Shiva Sir and Prof.Tanvi ma'am. Based on the performance and attitude the winners were chosen.

Ending this event by naming and gifting the winners, the focus shifts to our much-awaited DJ session. Stilt area was lit with lights and prop. Setups like a photo booth, a pirate treasure box, pirate hats were installed for our juniors to click photos with and take home with them the memories of the grand start to their college life. Everyone enjoyed the DJ session as it paid off everyone's efforts. All freshers were given food boxes comprising of drinks and snacks after a tiring yet memorable DJ session. AARAMBH 2018 was successfully conducted and was a delightful welcome of our new juniors in our Pillai college of Engineering.





International Women's Day Celebration

Event 1 : Celebration Of International Women's day

Date: 6th March 2019

Guest of Honor : Ms. Jyoti Mhapsekar (President of Stree Mukti Sanghata)







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Event 2: International Women's day is celebrated on March 8 every year. It is a focal point in the movement for women's rights. It is observed around the world to celebrate the velour of women.

Event Details:

- The celebration was held on 8th March,2019 for the teachers of EXTC and ETRX Department of Engineering.
- The celebration was conducted in S-508 for a total duration of 2hours from 4pm to 6pm.
- Cake cutting was done right after a speech.
- Event was proceeded with a welcome performance.
- Fun games like Heads up, Pictionary and Dumchrad were arranged.
- Gift distribution

Brief:

The event started with a welcome speech by the ETSA Joint Treasurer Dikshita along with a beautiful poem by ETSA representative Anmol. The presence of Dr. Divya Padmanabhan (HOD, AUTOMOBILE) and Dr. Manju Pillai (FE,CO-ORDINATOR) made our event more memorable. Cake cutting took place right after that. Teachers were given snacks. A welcome performance was performed by a student. The teachers were divided in two groups and fun games were played. After games gifts were given to the teachers and the event concluded with a speech given by Mrs. Apeksha Chavan, ETSA Coordinator.







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Event 3 :

workshop on "**Building Resilience - A key to Women Empowerment**" by Ms. Nisha Chandak ,Transformation Coach and NLP Trainer, MD, Purplotus Pvt. Ltd. " on account of International womens day celebration 6th March 2019 Organized by MES , New panvel campus





European Study Tour to Paris, Brussels and Amsterdam

A group of 45 members consisting of students from the various colleges of the Pillai Group of Institutions along with a few faculty members went on an educational tour to Paris, Brussels and Amsterdam in January 2019. The tour was led by Dr. Daphne Pillai. In Paris the students visited the Notre Cathedral, Les Invalides, Military Academy, Champ De Mars, Arc De Triomphe, Champ Elysees, Grand Palace, Parliament House and the Orsay Museum. The highlight of Paris was the visit to The Eiffel Tower and Louvre Museum. The students also attended a session at the acclaimed Leonardo Da Vinci University.



In Brussels the students visited the Train Museum / Auto World (Manufacturing Unit) and the Atomium.

In Amsterdam, the students visited the Royal Coster Diamond Factory (Manufacturing Unit) and the Clog Factory at 'De Zaanse Schans Wooden Shoe Workshop (Local Manufacturing Unit) & Clog Museum, Windmills at Zaanse Schans, Zaans Museum & Verkade Pavilion. The highlight of Amsterdam was the visit to Heineken Factory (Manufacturing Unit) and Yakult Factory (Manufacturing Unit) for a customised tour and a visit to Madurodam.

It was an enriching and learning experience for the students as they explored foreign cultures and witnessed first hand the myriad influences of history on these world famous cities.



Committee Activities

ISHRAE Events

Sr No	Event Name	Date
1	K-12 at Bhatia Vidyamandir	28 th September 2018
2	K-12 at Nagarpalika School ,Podi, Panvel	13 th October 2018
3	K-12 at Nagarpalika School , Takka, Panvel	13 th October 2018
4	K-12 at Zilla Parishad School, Vichumbe, Panvel	12 th October 2018
5	Visit to Royal Aircon PVT Ltd, Wada	5 th Jan 2019
6	Visit to Blue Star , Wada	5 th Jan 2019
7	Visit to Airpro Engineers PVT Ltd, Wada	5 th Jan 2019



K12 at Bhatia Vidya Mandir (28th September ,2018)

The K12 was planned on 28th September ,2018 at Bhatia Vidya Mandir which is located at : Sector 13, New Panvel (east), Navi Mumbai. The school has classes till 10th standard.

As the school was near to college no transportation was required.

All the members were accompanied by Prof. Pruthviraj Rahane and ISHRAE PCE committee members.

There were a total of 30 students for the K12 who were divided in groups of 2 each. We were given classes from 5th standard to 7th standard.

Each group selected a topic from prior and also made models for the same. Some of the topics / concepts explained by various groups were : · Archimedes Principle, Newton's Law and related terms, Waste Disposal, Static Electricity, Spectrum and Dispersion etc.

All the students from the school were enjoying the K12 activity session. Many doubts were asked by the school students and all were cleared with enthusiasm from our K12 members. The staff of the school was also very cooperative and was also actively participating in K12 activity. Members were enjoying handling the noisy classes with discipline and kindness and were giving their best to not bore the school students hence making K12 session very interactive. The models made by members were too good for explaining concepts and were very new to the school students hence it seemed to be a magic to them before science behind it was explained to them.

It was a one of a kind experience for all the ISHRAE student members who participated in the K12 and also for all the Bhatia Vidya Mandir Students. All the members enjoyed teaching small students and got the experience of being a Professor for atleast that day. The school students were also enjoying being taught by some young professors with full enthusiasm and seemed to learn some new concepts taught by members. Members at the end also asked for more such k12 activities to be held as they are also good for increasing communication skills of members and they too loved teaching small innocent students. At the end Pruthviraj Rahane sir and ISHRAE PCE committee members gave a vote of thanks to all the School staff for their cooperation.



K-12 Zilla Parishad School Vichumbe (12th October, 2018)

The K12 was planned on 12th October, 2018 at Zila Parshad School Vichumbe, which is located at: At Vichumbe, Near Gram Panchayat Office, Panvel. The school has classes till 7th standard. All the student members were accompanied by ISHRAE PCE committee members.

There were a total of 24 students for the K12 activity. They were divided in groups of 2 students each.

Classes were allotted from 5th standard to 7th standard.

Each group had selected a topic in advance.

Some of the topics / concepts explained by various groups were: Dispersion and Density, Magnet & Magnetic field, Water Cycle, Archimedes Principle, Rising of water, Presence of Oxygen, Friction, Area and Volume, Pressure & its applications.

All the students from the school enjoyed the K12 activity session. Students from the school were very much excited about k12 concept. Many doubts were asked by the school students and all were cleared with enthusiasm by our ISHRAE Student Members. The staff of the school was also very cooperative and was actively involved in the activity. The K12 sessions were very interactive. The science models made by members were extremely elaborative and excellent in terms of explaining concepts. Lastly we handover some goodies to the principle of the school which helps the students in their studies and extracurricular activities.

K12 at Nagarpalika School Takka (13th October ,2018)

The K12 was planned for 13th October, 2018 at Nagarpalika School Takka which is located at : Takka Colony, Old Panvel (west), Navi Mumbai. The school has classes till 7th standard.

All the student members were accompanied by ISHRAE PCE committee members.

There were a total of 17 students for the K12 activity. They were divided in groups of 2.

Classes were allotted from 5th standard to 7th standard.

Each group had selected a topic in advance. Some of the topics / concepts explained by various groups were: Solar system, Photosynthesis, Oxygen need for fire, Static Electricity, Conduction , convention and radiation , Concept of Pulleys, Maths multiplication and square tricks,etc.

All the students from the school enjoyed the K12 activity session. Many doubts were asked by the school students and all were cleared with enthusiasm by our ISHRAE Student Members. The staff of the school was also very cooperative and was actively involved in the activity. The K12 sessions



were very interactive. The science models made by members were extremely elaborative and excellent in terms of explaining concepts.

It was a one of a kind experience for all the ISHRAE student members who participated in the K12 and also for all the Bhatia Vidya Mandir Students. All the members enjoyed teaching the school students and got the experience of being a professor for that day. The school students also enjoyed being taught by young engineering students.

K12 at Nagarpalika School, Podi (13th October ,2018)

The K12 was planned for 13th October ,2018 at Nagarpalika School Podi, which is located at : Sector 16, New Panvel (East), Navi Mumbai. The school has classes till 7th standard. All the student members were accompanied by ISHRAE PCE committee members.

There were a total of 24 students for the K12 activity. They were divided in groups of 2 students each. We were allotted classes from 5th standard to 7th standard.

Each group had selected a topic in advance. Some of the topics / concepts explained by various groups were : Dispersion and Density, Circuit Principles, Water Cycle, Archimedes Principle, 3- R cycle, Vedic Maths, Friction, Area and Volume, Balloon Car.

All the students from the school enjoyed the K12 activity session. Students from the school were very much excited about k12 concept. Many doubts were asked by the school students and all were cleared with enthusiasm by our ISHRAE Student Members. The staff of the school was also very cooperative and was actively involved in the activity. Prof. Kelkar gave a very beautiful flute performance and taught students about the basics of classical music. The K12 sessions were very interactive. The science models made by members were extremely elaborative and excellent in terms of explaining concepts.

It was a one of a kind experience for all the ISHRAE student members who participated in the K12 and also for all the Nagarpalika School, Podi Students. All the members enjoyed teaching the school students and got the experience of being a professor for that day. The school students also enjoyed being taught by young engineering students.



VISIT TO ROYAL AIRCON PRIVATE LIMITED

RAPL takes great pleasure to introduce itself as Turnkey Contracting and Trading firm serving the Pharmaceutical, Food, Beverage & Cosmetic, Hotel, Hospitals, Malls, Multiplexes, ...retails industries. Apart from contracting RAPL is also into manufacturing and trading a wide range of industrial products.

Established in the year 1999 (Royal Engg Works), they Started operations as a Supplier of Engineering components for HVAC . They supply products to OEM's like Voltas, Blue Star, etc. They renamed the entity as Royal Aircon Pvt Ltd in the year 2008 and Launched ROYAL AHU's, Air Washers and Prefabricated Ducts to the Indian HVAC market. They are present in Western Region and Central India as a known Brand and Export to Australia, Sudan, Nepal and Middle East. They have a vast experience in HVAC, Ventilation, Clean Room Applications, Air Pollution Control Equipments , Fabrication, Sheet Metal & in CNC Machined Parts .

VISIT TO ROYAL AIRCON

The first company that we visited was Royal Aircon. The visit was planned on 5th January 2019. It was a big company spread over a wide area of land in Wada. They produce a variety of products like AHU air washer, water coolers, fire doors and many more.

Basically 3 types of materials are used. PP- Pre Printed

GI- Galvanized Iron MS- Mild Steel

On arrival we were first greeted by the ISHRAE THANE CHAPTER TEAM who were throughout present to guide our way. On reaching the company, we were welcomed by the Manager who welcomed us and gave us a brief introduction about the company. There were students from all four colleges belonging to ISHRAE THANE CHAPTER namely Pillai College of Engineering, Don Bosco Institute of Technology, A.P. Shah College of Engineering and Finolex Academy of Management and Technology, accompanied by their respective Faculty members. We were accompanied by Prof. Pruthviraj Rahane Sir.

Students were divided into two batches and were simultaneously taken through two different companies during the same time slot. Each group was always accompanied by a company employee who briefed us about every single equipment and its working process. The sheets first went through a cutting process along with rolling and then punched and bent. The bending machine included parameters like height, angle and radius. Two portion panels were then sandwiched together with insulation provided between them which consisted of ISO and Polio



isocyanide in a ratio of 100:120 gm and then left for hardening for about 15 -20 minutes. The chemicals were sprayed in between the panels using a pumping machine.

They were then pre-coated using a magnetic spray and then heated in a kiln at about 220oC in order to remove the moisture content from the end product.

It was a pleasure to see the whole manufacturing process being demonstrated along without doubts being cleared patiently by our sir. It was a great learning experience for our SE, TE and BE students who attended the IV. At the end Prof. Prithviraj Rahane Sir delivered a vote of thanks to the employees and staff members of Royal Aircon Private Limited for their valuable time and inputs.

Visit to Bluestar Ltd. Wada

The visit was planned on 5th January 2019.

The company consist of highly qualified staff of engineers for designing , manufacturing , Sales and Marketing . They too use Robots for transporting raw material from one part of the company to others.

Our group was guided by a company employee who explained each and every machinery used in manufacturing of water coolers, cold storages, heat exchangers, chillers etc ...

- Firstly we saw *Sheet metal fabrication* using powerful CNC machines like Amada turret punch press, etc. which gives high tolerances and better machining.
- Then we saw *Powder coating plant* which was fully automated the raw material for which was mainly supplied by Nerolac.
- We also saw *CNC copper tube bending machine* which produced wrinkle free tubing to exact dimension without inclusion of stresses and then the *brazing operations* were performed on it to form perfect joint avoiding oxidation.
- Then we saw assembly of mass production of cold storages followed by quality check done on them using appropriate pressures.
- Finally we saw production of *Shell and tube type heat exchangers* with high precision using modern design developed by Bluestar itself.

It was a great experience for all the members attending the industrial visit.

VISIT TO AIRPRO ENGINEERS PRIVATE LIMITED



Airpro Engineers Private Limited is a Private incorporated on 06 December 2005. It is classified as Non-govt Company and is registered at Registrar of Companies, Mumbai. Its authorized share capital is Rs. 200,000 and its paid up capital is Rs. 107,000. It is involved in Research and experimental development on natural sciences and engineering (NSE). [This class includes systematic creative work in the fields of research and development in natural sciences, medical sciences, agriculture and engineering & technology].

Airpro Engineers Private Limited's Annual General Meeting (AGM) was last held on 30 September 2017 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2017.

Directors of Airpro Engineers Private Limited are Kailash Purushottam Khairnar, Kirti Kailash Khairnar and Shruti Kailash Khairnar.

VISIT TO AIRPRO ENGINEERS PRIVATE LIMITED

The visit was planned on 5th January 2019. The company consists of highly qualified staff of engineers for designing, manufacturing, Sales and Marketing. Students were divided into two batches and were simultaneously taken through two different companies during the same time slot. Each group was always accompanied by a company employee who briefed us about every single equipment and its working process.

They continue to advance their technology through product development and process improvement. AirPro engineers are continually applying CFD and FEA modeling along with actual performance testing to achieve our goals of continuous product development and the improvement of existing products. Their QA program and QC procedures insure continuous process improvements throughout the organization. AirPro's sustained growth confirms our success at achieving a reputation of premier quality and customer service through their people and processes that run the business. AirPro is now 100% Employee Owned and continues to be managed by seasoned fan engineers.

AirPro's quality construction and industrial strength products are remarkable. Not only the fans but inlet boxes and accessories are designed and built to the highest standards and are worry free. AirPro also consistently meets their delivery commitments, which is refreshing. We've never been disappointed with the quality and service provided by AirPro. It was a new relishing experience for all students.



AESA MESA Events

VISIT TO SM AUTO STAMPING PVT. LTD, NASHIK.

SM AUTO STAMPING PVT. LTD is a leading manufacturer of precision sheet metal stamping and deep drawn components required for automobile and other engineering sector since 1995.



Industrial visit to SM AUTO STAMPING was organized by AESA MESA, PCE for the students of second year mechanical and automobile engineering. Group of 125 students visited industry with 3 faculty members Prof. Binsu Babu, Prof. Shridhar Deshmukh, Prof. Komal kadam on 31st of August.

The students left the college at 8 am by bus and reached SM AUTO STAMPING premises by 1 pm. Instructions were given to students regarding the rules to be followed during visit.

The visit started with the introduction of all the products. Faculty from the industry explained us about the pre process that need to be done on the sheet metal before it goes for stamping. Finished products where shown to students which followed by doubt solving sessions by faculty members of industry and faculty members as well. The visit was followed by a small break for snacks/lunch on the highway. The visit to SM AUTO STAMPING resulted in gain in knowledge of students related to hydraulic systems, sheet metal applications in automobile sector. Students got fair idea to link their theoretical knowledge with practical knowledge.



A VISIT REPORT TO TARAPUR ATOMIC POWER PLANT

Industrial Visit to T.A.P.S, Boisar was organized by AESA MESA, PCE for the students of TE Mechanical division A. The group of 32 Students and 2 Faculty Members Prof. Shahid Shaikh, and Prof. Pankaj Khakre visited the plant on 21st September 2018.

The student left the college campus at 7:45 am by bus and reached T.A.P.S, Boisar by 11:30 am. A heavy security checking was followed in the plant. Gate pass of all the incoming members was checked by the authorities and we finally entered the plant at 12:00PM. All the students then had the breakfast provided by the plant authorities. The visit started with the introductory video session at the lecture hall. A training center faculty explained the working of the reactor to us with the help of video and presentation. This was followed by a Q&A session with the lecturer wherein all the students discussed various things regarding the plant operation. After the lecture hall session we were taken to the miniature model room of T.A.P.S where we were guided by the experienced faculties and were shown the exact model of the power station. The model room visit was followed by lunch at the canteen. Now came the most exciting part of our visit. We were taken inside the Turbine room and the Control room of Unit 3 and 4 reactors. All the students and faculty members were provided with safety helmets before entering the plant. Turbine room visit was scheduled first followed by the Control Room visit in which students were explained the working and operations of unit 3&4 reactor.

The visit to the Atomic Power Plant resulted in increasing the knowledge of students about the power plants and their operations along with gaining the practical knowledge of the subject which is in their academic curriculum.



Solidworks Competition

AESA MESA successfully conducted the solidworks Competition for second year students of automobile and mechanical branch

DATE	-	1st February 2019.
Venue	-	J201
Timing	-	1pm to 3pm.
Entries	-	48 (SE).
FACulty involved	-	Prof. Binsu Babu, Prof. Amey Nijasure, Kalpesh sir

The competition consisted of two rounds.

First round-

In the first round the participants were given a problem to design. First round had time limit of half hour. Among the 48 participants, 12 were short listed for round 2 according to their performance with the help of Prof. Binsu Babu, Prof. Amey Nijasure sir.

Second round-

The shortlisted 12 students were given another problem in which they needed to make different parts as well as assemble them. Second round had time limit of 1 hour 15 minutes. Out of this 12 participants top three were selected with the help of Prof. Binsu Babu, Prof. Amey Nijasure sir.



Techno Treasure Hunt Event

AESA MESA successfully conducted the Techno Treasure Hunt event. The details of the event are as follows:-

Date	: 14th March 2019
Venue	: Engineering campus
Time	: 2:00 - 5:00 pm
Stages	: 2 (Preliminary , Final)
Entries	:200 students (T.E/B.E Mech & Auto)
Prizes	: Winner : Rs 2000/-

The event had two rounds - Preliminary and Final which panned out in the following way.

PRELIMINARY ROUND : Duration 30 mins

The aim of this round was to bring the participant group count to just 6 for the final round. Each group was handed a paper with a map of the campus and 12 sets of clues. The map had 10 shaded regions representing the hidden “treasures”. This “treasure” consisted of a spur gear wrapped tightly in duct tape and paper. Participants did not know what the treasure was and instructions were given to find any well packaged item. Out of the 12 spur gears, 6 were painted green and 6 were uncolored. The green colored spur gears were the real treasures while the others were fake treasures. Each group was allowed to bring only one treasure. Treasure was checked at the desk set up by the committee in old canteen. By the end of first round, 6 groups were selected to be finalists.

FINAL ROUND : Duration 1 hour

To start with, each group was assigned a color and given a corresponding clue card. The objective of this round was for each group to figure out the place given in the clue card and search the area for their next clue. To complete the round there were 10 such clue cards sequentially leading the groups till their final place. Each group had a different route depending on the color of their cards and they had to adhere to it. The first groups to reach the final spot were given a task to complete. Once the tasks were successfully completed, they were read aloud a riddle leading to the spot where the final “treasure” was hidden. The group which found and brought the “treasure” to the representatives won the competition.



ETSA Events

Sr. No	Date	Event	Conducted By	Time	Venue
1.	02/08/18	LATEX -01	Ms.Ruchira Patole	3pm-6pm	R102
2.	09/08/18	LATEX-02	Ms.Ruchira Patole	3pm-6pm	R102
3.	25/08/18	Arduino-01	Ms.Ruchira Patole	9am-1pm	R102
4.	29/08/18	ETSA TALKS	ETSA committee	2pm-5pm	Auditorium
5.	04/09/18	Arduino-02	Mrs.Aboli Khedkar	10am-12pm	R102
6.	08/10/18	IV to Doordarshan Sahyadri kendra	Mr.Yogesh Kene	8am-5pm	Worli, Mumbai
7.	22/02/19	IoT Workshop	Ms.Ruchira Patole	3pm-5pm	P204
8.	05/03/19	Technical Paper Writing	Mrs.Seema Mishra	4pm-6pm	R502
9.	22/03/19	Think Bot	ETSA committee	3pm-5pm	S508
10.	23/03/19	Samvaad 2019	ETSA committee	2pm-5pm	P208
11.	08/03/18	Women's Day	ETSA committee	4pm-6pm	S508
12.	10/06/19 to 14/06/19	BSNL Internship	BSNL	10am-2pm	Yeur, Thane



ARDUINO WORKSHOP

Arduino workshop was held on **25th August 2018** and **04th September 2018**. The workshop was conducted by **Ms. Ruchira Patole** and **Mrs. Aboli Khedkar**. Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor turning on an LED, publishing something online.



Doordarshan Visit

ETSA-PCE organized a one day **Industrial Visit** to **Doordarshan Sahayadri Kendra, Worli, Mumbai** on **8th of October, 2018** for **Electronics & Telecommunication** engineering students. The visit was organized with prior permission and guidance of the **Principal, Dr. Sandeep Joshi**. The host for the entire event was **D.G.S sir**. The sessions were conducted in Live News Studio, Playback Studio, A-1 FHD Room, Digital Terrestrial Transmission Channel Server Room, Power Control Room and Transmission Tower.



ETSA TALKS

ETSA TALKS is the event which is organized by Electronics and Telecommunication Students Association (ETSA) in which motivational, technical etc, speakers come and share their views on the topics. The event was held on **29th August, 2018**. The speakers for the event were **Mr. Dinesh K. Pillai** ,**Mr. Praveen Wadalkar** and **Mr. Chaitanya Lila das**..Our magazine named **CIRKYTE** was launched by the three speakers, our principal, Prof. P Kumaran and our HOD.





IoT WORKSHOP

The workshop was held on **22nd February, 2019** for **SE - EXTC A and B** students. The speaker for the workshop was **Prof. Ruchira Patole**. The IoT involves extending Internet connectivity beyond standard devices, such as desktops, laptops, smartphones and tablets, to any range of traditionally dumb or non-internet-enabled physical devices and everyday objects. The workshop helped the students to understand the use of **BLYNK** app using an **ARDUINO**.



LaTeX WORKSHOP

The first workshop was held on **2nd August, 2018** for **BE EXTC Div A** students and the second workshop was held on **9th August, 2018** for **BE EXTC Div B** students. The speaker for the workshops was **Prof. Ruchira Patole**. LaTeX is a document preparation system for high quality typesetting. It is most often used for medium to large technical or scientific documents but it can be used for almost any form of publishing. During the workshop, students were trained to prepare their own blackbook with the help of LaTeX which will help them to prepare their own reports and blackbook for their final year projects.



SAMVAAD 2019

ETSA-PCE organized an event called **SAMVAAD 2019** on **23rd of March 2019** for the students of **Pillai's College of Engineering, Pillai's College of Arts, Commerce and Science, Pillai's College of Architecture and Pillai's College of Management**. The event was conducted for the students of all the fields and departments. The SAMVAAD 2019 was a debate competition and had 14 participants. There were 4 rounds the first round, the second round, the semi finals and finals. The event was judged by **Prof. Jayashree Bhosale, Prof. Darshana Pachkawade, Prof. Leena Potdar**.



TECHNICAL PAPER WRITING SEMINAR

This Technical Paper Writing Seminar was all about helping the student to understand how to make their technical papers and to give them an idea about how to present their research projects on the paper. The workshop was held on **5th March, 2019** for **BE EXTC** students. The speaker for the workshop were Prof. Seema Mishra, Prof. Mira kharat & Ishmeet sir. During the seminar students were trained to prepare their own technical papers for their projects which will help them in future.



THINK BOT

ETSAPCE organized an event called **THINK BOT** on **22nd of March 2019** for the students of Pillai College of Engineering, Pillai College of Arts, Commerce and Science, Pillai College of Architecture and Pillai College of Management. THINK BOT a Quiz competition based on general knowledge of all kinds. It had a total team of 17 pairs. The quiz was bifurcated in 4 different levels of play. The judges for the event were **Prof. SuchitaPatil, Prof. Harsha Sharma and Prof. Seema.**



IEEE Events

Date	Events Organised	Speaker	No. of Participants
9th March, 2019	Basics of Python	Prof. Dhiraj Amin	43
2nd March, 2019	Workshop on Advanced Web Development	Mr. Akhil Menon	46
2nd February, 2019	Workshop on DBMS SQL	Prof. Smita Joshi	40
4th October, 2018	IEEE Day	Dr. Vinit Kotak Mr. Ali Mustafa	Students and Faculty Members
1st September, 2018	Workshop on Web Designing	Mr. Chaitanya Pawar	31
4th August, 2018	Workshop on LABVIEW	Prof. Shridhar Deshmukh Prof. Ameya Nijasure	32
28th July, 2018	IV to BSNL Satellite Earth Station, Year		35 Students and 2 Faculty



CSI EVENTS

CSI-PCE is invigorating technology since 2010. As a largest student body even in the CSI Mumbai Chapter. CSIPCE always tried to conduct workshops, seminars, study circles and many other events with excellence. In A. Y. 2018-19 following events were conducted.

Sr No	Event	College	Contact person	Date	No of Attendees
1	Latex Workshop	PCE, New Panvel	Bhargavi Acharya	4 August 2018	100
2	Web Weaving competition under TechNext	PCE, New Panvel	Bhargavi Acharya	8 September 2018	100
3	Game Development	PCE, New Panvel	Bhargavi Acharya	7 October 2018	120
4	Seminar on Overseas Education	PCE, New Panvel	Bhargavi Acharya	1 March 2019	90
5	ByteStream Magazine Launch	PCE, New Panvel	Bhargavi Acharya	20 March 2019	400
6	Industrial Visit	PCE, New Panvel	Bhargavi Acharya	28 and 29 March 2019	149

Latex is document preparation system. LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. It is essential



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the final year students should prepare their project reports in Latex. Latex workshop was conducted for final year students.

Students should be ready to compete in intercollegiate level. Keeping this motive in mind Web weaving competition is arranged as a prevent of TechNext which is organized by CSI Mumbai Chapter.

Game Development is up growing area nowadays. Young minds are always engaged in game playing act, to motivate them to develop games, Game Development using Unity workshop was conducted, which got tremendous response.

Many students are interested in higher education outside India but many of them may not be aware of the various procedures and ways to accomplish their dreams. CSI-PCE had organized a seminar on Overseas Education to make such students aware of the path they want to move on for their higher studies.

Many students are good in technical writing, to encourage and to present their talent CSIPCE help such students by providing a platform called ByteStream Magazine where students can write the technical articles.

All technical knowledge is fail if one cannot apply it, so there must be some practical presentation of knowledge, students gained in their academic curriculum. CSI-PCE had organized the Industrial Visits in CDAC Pune and Opulent technology where they could learn and practice the how India's First Supercomputer PARAM works in Virtual Reality domain and how technology can be used in agriculture domain to help farmers.



Activities for Social Cause

Community Service Day

One of our prime duties is to serve people and being responsible citizens, such an exceptional work was executed by the Mahatma Education Society's Pillai Group of Institutions at Pillai college, New panvel on the 2nd of February, 2019. All the 50 institutions under M.E.S. such as Pillai HOC Engineering College, Chembur English High School and Junior College, Mahatma International School, etc. took charge of making the orphans', senior citizens' and many others' day memorable by celebrating 'COMMUNITY SERVICE DAY'.



This day was solely dedicated to the kids from various schools, orphanages and senior citizens from old age homes. Students of Pillai college, volunteers and teachers gave their all to warm the cockles of everyone's heart. There was special conveyance provided to the respective NGO'S and associations. A variety of organizations such as Seva Daan, Bliss foundation, Vanvasi Kalyan ashram, Ashray homes for citizens, aroma kids garden, Jeevan jyoti charitable trust, etc.



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were present on this occasion and were wholeheartedly welcomed by all the teachers and volunteers. Different activities took place the whole day such as crafting, colouring, quiz competitions, drawing for kids, book donations and many other fun filled games for orphans.



There were unique activities and entertaining games such as musical chair, singing, music and dance/drama events for our guests from old age homes. Their age was no barrier as they were all



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extremely energetic and full of life. Every participant was awarded with prizes and everyone held gifts as a token of memory. Kids and children were mettlesome and they vibrantly spent their day without any complaints. The community service day turned out to be very satisfying and emotional as everyone thoroughly enjoyed the entire day by truly being a part of loving, sharing and spreading joy. A mark of infinite bliss and satisfaction could be seen on their faces and the day ended by wishing everyone good health and care.



Uber Rang

The annual cultural programme named “UberRang” of Pillai College was held in the college premises in a befitting manner on 2nd February 2019. It started in the evening with a vote of thanks to our Chairman and CEO of MES Dr. Vasudevan Pillai, Co-Founder, Chairperson, Management Board, MES Dr. Daphne Pillai and Deputy CEO Mr. Franav Pillai, by Ms. Celina followed by the introduction of our judges for the event i.e Mr. Poojary and Mr. Rakesh from Times Of India, Mr. Tabrez Shaikh from Tabrez Shaikh acting academy and Singer, Composer and Producer- Mr. Nair. All the judges were felicitated for gracing the event with their presence.







Kerala Relief Fund

The Pillai Group of Institutions stands with the people of Kerala in their time of need due to the catastrophic flood situation. Heads, teachers, staff and students were contributed to the Flood Relief Operations in any form possible. It has been listed a few items that would be of immense help to the people of Kerala. PCE also donated a monetary amount as well .

The items delivered to the Kerala by ourselves to ensure they reach the affected areas.

The items were

1. Ready to Eat Foods (Biscuits, Tinned and Packed Foods etc.)
2. Cooking Oil and Coconut Oil
3. Rice, Wheat or any Grains in packed and sealed containers
4. Baby Foods
5. Drinking Water Bottles
6. Clothes – New or Unused such as Dhotis, Saris, Pants, Shirts, Towels, Undergarments etc.
7. Kids and Baby wear
8. Bed sheets and Blankets
9. Sanitary Napkins
10. Candles and Matchboxes
11. Toothbrush and Paste
12. Bar Soaps, Dish Washing Liquid, Washing Powder
13. First Aid Boxes with Medicine
14. Bleaching Powder, Dettol and Floor Cleaners
15. Utensils – Plates, Glasses, Bowls etc.





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Environment Awareness Rally

Promoting environmental awareness is an easy way to participate in creating a brighter future for our society. To spread the awareness about keeping the environment clean Mahatma Education Society's Pillai College of Engineering, New Panvel (PCE) organized an Environmental Awareness Rally on 23rd August 2018 with an intention to save environment from further degradation. A huge positive response was received from the First Year Engineering students of PCE along with teaching and non teaching staff of the college. As a result around 600 people participated in the rally.



Many students came with the Placard and slogan in the rally. The placard covered many themes related to environment such as 1) No use of plastics 2) Save water 3) Tree plantation 4) Waste management and 5) Concept of 3R (Reduce, Reuse and Recycle) etc.

The rally encompassed almost 3-4 km path around the college. The route of the rally was selected in such a way that it covered high population density areas in order to reach maximum people about environmental awareness. For the smooth and safe conduct of the rally a prior permission was taken from the local police station and traffic police of New Panvel. We are obliged for their active support.



Yoga Classes at Pillai's Campus

Pillai College of Engineering in its efforts to contribute to society welfare has been conducting Yoga classes in morning and evening session for people in and around Panvel. Daily classes are conducted at Pillai's Campus New Panvel. Adding Yoga to daily lifestyle not only enhances physical strength but also contributes largely towards your mental health and spiritual growth. The classes are conducted by trained professional and have benefited many attendees. Yoga has immense benefits, to list a few are **better posture, Increased blood flow, Improved heart health, Lowered blood pressure, Relaxation and sleeping aid, Reduced digestive problems etc.** Some pics of the classes are as below.





Garage Sale

The workshop -in- charge V.V. Sojan along with his team organized two day garage sale on the workshop premises. The sale was arranged on 11 and 12 January 2019. It saw a huge turn out as the items made by first year students as part of their first semester basic workshop practices were displayed. It was open for teaching, non-teaching staff and students. The enormous response resulted into good collection.





Installation of Biocrux Plastic Bottle Recycling Machine

On the occasion of World Environment Day, Pillai College of Engineering; in collaboration with Reliance India Ltd., has installed a Biocrux Plastic Bottle Recycling Machine at K.M. Vasudevan Pillai campus, New Panvel. Biocrux India is a pioneer in providing sustainable 360 degree solution for PET waste. The launch of this unique initiative, has catapulted Dr. K. M. Vasudevan Pillai Campus to be the first PET Neutral College Campus in entire Maharashtra. Budding Engineers at Pillai College of Engineering, are thus learning an important lesson to Reduce, Reuse and Recycle plastic bottles—the most recycled plastic item across the globe. The inauguration of the unit was done by Dr. Ganesh Deshmukh (Panvel Municipal Commissioner), along with Dr. K. M. Vasudevan Pillai (CEO), Dr. Priam Pillai (COO) and Dr. Sandeep Joshi (Principal, PCE). The function was also graced by Mr. Abhijit Datey (Reliance PET Business Head), Mr. Rajiv Kumar (Sr. General Manager- Business Development, Reliance Ind. Ltd.), Mr. Ajay Mishra (Biocrux India) and Dr. Biswajit Panda (faculty, PCE). Speaking on the occasion, Dr. Ganesh Deshmukh, emphasized that the PBRM was an excellent example of segregation and processing at source. He further appealed to promote such activities in residential societies, and to consider the recycling process as not only a duty but also a sacred responsibility. Mr. Abhijeet Datey too expressed his views on the occasion and emphasized that the young student generation will spread the message and ensure commitment towards one role towards environment conservation, through eliminating the ill-effects of plastic. Dr. Sandeep Joshi, said that while PCE was always promoting the reuse of plastic in an environmentally compatible manner, the PBRM was the next step in this direction.

Installation of PBRM is indeed a small step towards environment conservation, taken at K.M. Vasudevan Pillai campus, New Panvel, and will definitely turn out to be a large leap towards developing a cleaner and greener, Smart New Panvel, in the near future.





Notable Achievement

Mumbai Area Complex Systems Conference



Pillai College of Engineering, New Panvel under the banner of Mahatma Education Society successfully organised and hosted Mumbai Area Complex Systems Conference 2018 on 19th November, 2018. It was inaugurated by Dr. Sandeep Joshi, Principal, Pillai College of Engineering, New Panvel. This unique conference facilitated to bring together eminent experts, researchers, scientists, professionals and research scholars from prestigious institutions like B.S.B.E.(Bio-Sciences and Bio-Engineering), I.I.T-Bombay,B.A.R.C, Indian Institute of Geomagnetism and other colleges in and around Mumbai. Nearly 60 participants enthusiastically registered and attended this conference. The study of Complex Systems encompasses many disciplines of basic sciences, engineering sciences, social studies, economics, management etc. Insightful talks and lectures were delivered by distinguished speakers like Padmashree Dr. Mustansir Barma,Dr. Punit Parmananda, Dr. Dibyendu Das, Dr. Mithun Mitra, Dr. Kiran Kolwankar, Dr. P.S.Goyal, Dr. Shamik Sen, Dr. Ranjith Padinhateeri, Dr. Binoy Goswami and Dr. Amar Kakad, They dealt with diverse topics like Bose statistics, Non-equilibrium phase transitions of hard rods : Some surprises and insights,Complex Fluids, Physical Regulation of



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Cell Behaviour, Nucleosome positioning and Chromatin Assembly, Welcome to Multistable World, Complex nature of plasma wave processes in near Earth's space plasma environment. The sessions were educative, informative and highly interactive. It also included Poster Presentations by research scholars related to the topic. It served as a wonderful platform where experts and professionals came together to share their practical knowledge. Dr. Priam Pillai , Chief Operating Officer (C.O.O.) of Mahatma Education Society also graced the occasion with his presence. The event culminated with a vote of thanks by Dr. Arun Pillai, Head of A.S.M.H. (Applied Science, Mathematics & Humanities)



Conference on “Technologies for Future Cities 2019 (CTFC 2019)”

The conference on “Technologies for Future Cities 2019 (CTFC 2019)” was held at Pillai College of Engineering, New Panvel, Navi Mumbai during Jan.08-09, 2019 (www.futurecities.mes.ac.in) The conference covered various aspects of the expected problems and their solutions for future cities. The conference consisted of plenary talks by eminent speakers (both from India and abroad), scientific paper presentations and panel discussions. In all, about 250 scientists and engineers attended the conference. The conference was inaugurated by world renowned technologist Dr Srinivas Ramani (ex-TIFR, Mumbai) and Dr Rakesh Kumar, Director NEERI, Nagpur delivered the keynote address. Dr Vasudevan Pillai (CEO, Mahatma Education Society, Mumbai) and Dr Sandeep M. Joshi (Principal, Pillai College of Engineering) welcomed the participants and the dignitaries and gave introductory remarks. The plenary talks were delivered by experts from national laboratories, IITs and the industry. The list of speakers includes Dr. Patrik Lamson Hall (NYU Stern Urbanization, New York), Dr Dhiren Patel (Director, VJTI, Mumbai), Prof. B Menezes (IIT, Bombay), Prof. M V Rane (IIT, Bombay), Dr Priam Pillai (Pillai College of Engineering, Navi Mumbai), Dr M Sasikumar (Director C-DAC, Mumbai), Dr B. Satyanarayana (TIFR, Mumbai) and Dr P Shrivastava (Padeco India Pvt. Ltd, Mumbai). The most interesting part of the conference was Panel Discussion which was moderated by Dr Srinivas Ramani. In addition to some plenary speakers, the panelist included Dr S K Ukrande (Dean, Science and Technology, Mumbai University), Dr S M Khot (Principal FrCRIT, Vashi), Mr G. Udayabhaskar (Head, Corporate Environment, Reliance Industries) and Mr V Venu Gopal (Chief Planner, NAINA, CIDCO).

The conference covered all relevant topics connected to “Technologies for Future Cities” and consisted of five tracks, namely, (i) Software solutions for future cities, (ii) Hardware solutions for future cities, (iii) Systems for future cities, (iv) Materials for future cities and (v) Policies and Governance for future cities. In all, we had received 159 contributed papers. Based on the peer review process, 110 of them were accepted for presentation at the conference. 70 papers were presented in oral sessions and 20 were presented in poster sessions. Depending on the grading given by the referees and the chairmen of respective sessions, 50 of the presented papers have been accepted for publication in the conference proceedings. These papers have been uploaded



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on SSRN website. Center of Excellence for Future Cities at Pillai College of Engineering was inaugurated during this Conference.

Computer Society of India (Mumbai Chapter), National Environment Engineering Research Institute, Nagpur and Builders' Association of India were knowledge partners of the conference and Boron Rubbers, E-Keeda, Shroff Publishers, Jaydee Electronics and GATE Academy were sponsors.



Dr. S. Ramani, Founding Director of the NCST : Inaugural Address



Dr. Rakesh Kumar, Director CSIR-NEERI



Dr. Dhiren Patel, Director VJTI, Mumbai



“Centre of Excellence” for Future Cities

Inaugurated on 8th January 2019 during CTFC



Pillai Group of Institutions unveils 'Centre of Excellence' for Future Cities at the Conference on 'Technologies for Future Cities'

WITH cities in developing countries rapidly expanding, most of which is unplanned and disorganized leading to several problems like unaffordable housing, air and water pollution, unorganized traffic etc. scientists and engineers are looking for technological solutions.

Pillai College of Engineering, PCE, New Panvel took a timely lead and organized a conference on “Technologies for Future Cities” on Jan 08.



(From centre left to right) Dr. Sashikumar, Dr. Dhiren Patel, Guest of honour Dr. Rakesh Kumar, Chief Guest Dr. S Ramani, Dr. K. M. Vasudevan Pillai, CEO Pillai group, Dr. P. S. Goyal Dean research PCE, Dr. Sandeep Joshi Principal PCE, Dr. Patrick Hall, New York Stern University, USA and Dr. Nivedita Shreyans Director PR from Pillai group of Institutions launched the 'Centre of Excellence' for Future Cities of India during the inaugural event of 'Technology Conference of Future Cities' 2019 along with HODs of different departments of Pillai College of Engineering

Mid-day news on 10th January 2019

- To facilitate and provide new opportunities to the faculty and students.
- Helps in providing solution to specific social and technological issues.
- Initiatives taken under COE are
 - Urban Expansion Observatory
 - Makers' Studio
 - Drone Lab
 - Future Cities
 - Entrepreneurship Cell
 - Industry-Institute Interactions



Polymer Processing Conference

23rd February 2019



Pillai college of Engineering, a leading Engineering college in Navi Mumbai is actively involved in research in several areas. Polymer Processing Academy formed in 2011 aims to have active participation from the polymer processing fraternity around the globe. The modern scientific tool revolutionized the processing of polymers. The future of mankind will evolve around energy resources, food, health, mobility, infrastructure and communication. To handle these challenges, polymers will play a key role in finding solutions.

The conference witnessed the scientific sessions like talk of key note speakers, insightful lectures by the noted speakers and presentation of contributory posters. The speakers were from academic institutes and industry.

The audience was enlightened by the scholarly talks by Prof, Ashok Mishra, Prof. A.K. Ghosh, Dinesh Kumar, Dr. Arup Bhattacharya, Dr. Priam Pillai and Dr. D.S. Bag.



Student Achievements

Smart India Hackathon 2019

Smart India Hackathon 2019 was a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. 1500+ teams were competing in various 48 nodal centers nationwide in the grand finale of software hackathon on 2nd and 3rd March, 2019.

In SIH 2019, the students also had the opportunity to work on challenges faced within the private sector organisations and create a world class solutions for some of the top companies in the world, thus helping the Private sector hire the best minds from across the nation.



Six teams from Pillai College of Engineering were selected for this mega-endeavour for software edition. And two teams: “Team Status200_OK” and “Team Code_Crunch” got first prize of Rs.



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1,00,000/- in complex category. Team Status200_OK provided a solution on problem statement “**Information Management System**”, which was floated by Min. of Statistics and PI at nodal center Girijananda Chowdhury Institute of Management & Technology, Guwahati, Assam. Team was headed by Tejas Chaudhari and team members are Abhay Gupta, Sahil Kadu, Rahul Chavan, Anindita Bhajan, Ronak Karani. Prof. Dhiraj Amin was mentor of the team.

Team Code_Crunch provided a solution on problem statement “**Online Adaptive Assessment Platform**”, which was floated by SSEPL Skills Pvt. Ltd. at nodal center CGC – Chandigarh Engineering College, Landran, Mohali, Panjab. Team was headed by Mahesh Gopal Mahajan and team members are Pranali Ramesh Sawant, Sajida Begum, Soham Sandeep More, Preetam B. A., Karan Nair. Prof. Ninad Gaikwad was mentor of the team.

Team Coding Predators proposed a solution for problem statement floated by AICTE, “**AICTE Event / Activity (Workshops, Talks, FDP, Meeting etc.) management system**” at Lovely Professional University, Phagwara, Punjab. Team was headed by Ketaki Barde and team members were Shweta Achary, Kritika Shah, Shrayesh Kanade, Salman Mapkar, Ankush Bari. Prof. Aju Palleri was mentor for the team.

Team #the_brainiacs# proposed a solution for problem statement floated by ThermoFisher Scientific, “**Integrated Health Care App / Portal**”, at nodal center Sree Buddha College of Engineering, Alappuzha, Padanilam, Kerala. Team was headed by Nimje Mansi Kishor and team members were Zagade Pooja Valmik, Shetty Akshay Puranjay, Sagar Govind Patel, Dixit Abhishek Ratan, Dhekane Abhishek Jaywant. Prof. Jinesh Melvin was mentor for the team.

Team #Ciphers proposed a solution for problem statement floated by CDK, Global, “**Ambulance Services**”, at nodal center Sree CMR College of Engineering & Technology, Hyderabad, Telangana. Team was headed by Gupta Vinod and team members were Irfat Kapde, Saquizzaman Hossain, Pooja Ingle, Balraj Singh, Nachiket Sonawane. Prof. Amol Kharat was mentor for the team.

Team Code_Brainiacs proposed a solution for the problem statement floated by Ministry of External Affairs, “**Application to show process ID and Remote conn.**”, at nodal center Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh. Team was headed by Prathamesh Patade and team members were Kalpaj Chaudhari, Shravan Nambiar, Karan Shah, Kritika Singh, Himanshu Kaloni. Prof. Smita Kadam was mentor for the team.



Chhatra Vishwakarma Award

Pillai College of Engineering participated in the “National Convention” of 2nd AICTE-ECI-ISTE Chhatra Vishwakarma Award 2018 held on 20th – 21st January, 2019 at AICTE, New Delhi. Project The Project “Effort Reducing Load Carrier” scored Second position by presenting an innovative solution under theme Empowerment of Villages through Technologies.





Deep Blue

The Mastek-Majesco initiative Project Deep Blue, is an intercollegiate competition, encouraging engineering students to solve social problems using coding skills to come up with meaningful technical solutions over the course of three months.

As the name signifies, the competition promotes “Deep Thinking”, “Innovation” and awareness about the “Social Issues” in these young minds. It provides an early start, mentorship and industry exposure to the Entrepreneurs and Technology Leaders of tomorrow. The initiative was launched in 2015 and in the fourth season the competition has grown to newer heights, expanding our reach to more than **24 campuses** in and around Mumbai and Navi Mumbai (even Pune), reaching over 3500 + students. Each team tacks social problems and build working technology solutions for these problem statements in 3 months.

The 4th season had 67 teams (over 250 students) which used latest cutting edge technology to try and solve problems in the space of Sanitation and Public wellbeing under the following themes:

Theme 1: Open Defecation Free India.

In line with the vision of our Hon. Prime Minister to make India Open Defecation Free (ODF), teams competed to plan capacity for public toilets in urban slums, looking at using sensors to check on the cleanliness and hygiene of these toilets and also look at incentivizing change in behavior of citizens to help India achieve its Open Defecation free Status. To do this teams leveraged cutting edge technologies like Internet of Things, Machine Learning and Artificial Intelligence etc.

Theme 2: Garbage Segregation and Plastic Ban.

In line with the vision of our Hon. Prime Minister for Swatch Bharat, teams worked to create technology which will support local bodies to identify how effectively garbage segregation is being done by communities by analyzing picture of garbage dump. Teams analyzed images of garbage and litter to identify manufacturers who are producing plastic packaging which is polluting the environment, an enabler to make manufacturers accountable in India’s fight against plastic. Students leveraged cutting edge tech like



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Image Processing, Machine Learning, Artificial Intelligence and Neural Networks to help India take a step ahead towards Swatch Bharat.

Theme 3: Pothole Detection.

Under this theme teams used technology to identify severity, number, location and depth of potholes to create an effective means for reporting this citizen's issue and tracking it to closure.

Participation Details:

Colleges Participated	24	
Registrations from PCE	30	Teams
Level 1 (Selection in Round 1)	10	Teams
Level 2 (Selection in Round 2)	07	Teams

Project Deep Blue Season 4 Finale was held on 17th February 2019 at K. J. Somaiya Institute of Engineering and Information Technology from 5 pm to 8.30 pm.





PCE Team Details

Team Sr.	Team ID	Member Sr.	Names	Year	Branch	Topic	Project Status	Recognition
1	CSP18	1	Sumesh Shetty	Final	IT	Citizen Service Problem CSP	Completed	Super Team (Top 20)
		2	Atul Patil	Final	IT			
		3	Apurva Patil	Final	IT			
2	GPP2	1	Ronak Suresh Karani	Third	IT	Garbage Profiling Problem GPP	Completed	Super Team (Top 20)
		2	Akshay Chavan	Third	IT			
		3	Abhishek Dixit	Third	IT			
		4	Tejas	Third	IT			



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			Choudhari					
3	PWP 11	1	Ajay S Yadav	Final	Electronics	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Komal Bisht	Final	IT			
		3	Shubhum Yelange	Final	Electronics			
		4	Vignesh Kumar	Final	Electronics			
4	PWP 13	1	Akshata Govind Nevrekar	Final	Computer	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Shubhangi Karunesh Pandey	Final	Computer			
		3	Fenny Bhupat Zalavadia	Final	Computer			
		4	Priyanka Prabhakar Pachpande	Final	Computer			
5	PWP 14	1	Kritika Shah	Final	IT	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Gourav Prajapati	Final	IT			
		3	Saylee Pawar	Final	IT			
		4	Shivam Upadhyay	Final	IT			
6	PWP 5	1	Aditi Sharma	Final	IT	Plastic Waste Profiling PWP	Completed	Super Team (Top 20)
		2	Himanshu Sen	Final	EXTC			
7	PWP	1	Prathamesh N Patade	Final	Computer	Plastic Waste	Compl	(Top 67)
		2	Tejas Desai	Final	Computer			



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16	3	Susmitha Nadar	Final	Computer	Profiling PWP	eted	
	4	Hitesh Joshi	Final	Computer			

Avishkar Research Convention (2018-19)

Avishkar Research Convention is conducted by Mumbai University. This convention is designed with the intention to develop a research culture and scientific temper among the students, scholars and teachers from undergraduate to doctoral level in the state of Maharashtra. College Level selection was done on 19th December, 2019. There were many teams who participated six teams were selected from UG level and 3 teams from PG level.



List of teams which are qualified for first round:

UG Level:

1. Development of Programmed Scavenger
2. Design and Fabrication of Water Surface Cleaner
3. Arduino based Engine Management System



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4. A Platform to Blend Social and Academic Activities of an Institute
5. Smart Garbage Monitoring
6. Stealth Application

PG Level:

1. Investigation on Extraction of waste thermal energy from solar pv panels
2. Bus Transportation Arrival and Departure Time Prediction using Machine Learning Based Ensemble Technique
3. Usability improvements with Agriculture Services

The **first round** of Avishkar was held on 23rd December, 2019 at **Ramrao Adik Institute of Technology, Nerul**. During this round the participants need to do poster presentation. After this round there were two UG teams and two PG teams Then the **second round** was conducted on 2nd January, 2019 at **K. J. Somaiya, Sion**. After this round only one team from each level were selected for the next round.

1. Stealth Application from UG Level
2. Investigation on Extraction of waste thermal energy from solar pv panels in PG Level

The State level round was at Gondwana University, both the above team tried their very best and cleared all the rounds but in the end luck was not on our side and our teams had to come empty handed.



Faculty Awards / Achievements

Achievements	Count		
	COMP / IT	MECH / AUTO	ETRX / EXTC
Smart India Hackathon	2	1	
NPTEL Achievers	53	8	7
Avishkar	3	1	2
STTP	33		
Paper Reviewer in National / International Conferences	24	1	2
Paper Reviewer in National / International Journals	5	4	2
Keynote Speaker	3	7	2
Best Paper / Best Poster	1	3	
Session Chair	8	6	1
Chatra Vishwakarma Award		1	
Member of Board of Studies / Staff Selection Committee / Research Advisory Committee / Local Investigation Committee	36	30	9
Member / Chairman of Chapters / Mentorship of Members at Various Levels	5	2	
Judge / Reviewer at Various Competitions (excluding Conferences and Journals)	14	1	



Dr. Richa Agrawal - Best Paper Award at the 9th International Conference on Mechanical and Aerospace Engineering at Budapest, Hungary, July 10-13, 2018



Dr. Basvaraj Talikoti - Best Paper award for his paper titled "Material Testing and evaluation of crankshafts for structural analysis"





Manoj Sharma secured 2nd Rank at the Final Round of the Avishkar Research Convention 2018-19



Dr. Avinash Vaidya's Indian Patent for an invention entitled, "Parallel metal plated split U-shape omnidirectional UWB antenna" has been granted. Indian Patent Number: 302835