# MAHATMA EDUCATION SOCIETY'S

# PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

**Pillai HOCL Educational Campus, Rasayani,  Tal: Khalapur, Dist. Raigad - 410207**

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*Approved by AICTE, Affiliated to the*
*University of Mumbai and Recognised by the Government of Maharashtra*

**ISO**

**CERTIFIED**

**9001 : 2015**

**Accredited**
**With an "A" grade from**
**NAAC during 1st Cycle of**
**evaluation for 5 Years from**
**28th March 2019**

**Two UG-Programs**
**(Mechanical Engineering**
**and Computer Engineering)**
**For 3 Years from**
**2017 to 2020**

**In Recognition of the**
**organization's**
**"Quality Management System"**
**For 3 Years from**
**20th March 2019**

# TEAM STARKERS

**Team Starkers, participated in National Event's (7th GKDC & 5th E-GKDC) at Kari Motor Speedway, Coimbatore. The team designed and manufactured two vehicles, Combustion vehicle (150 CC) Go-Kart as well as Electric Go-Kart for the competition.The results for Combustion vehicle-150 CC named "SYENA"**

- [ ] **All India Ranking - 2nd position,**
- [ ] **Aesthetic Winner,**
- [ ] **Endurance Winner,**
- [ ] **Engineering Design Runner Up,**
- [ ] **Acceleration Runner Up.The results for Electric Go-kart named "AARYA"**
- [ ] **All India Ranking - 4th position,**
- [ ] **Endurance Second Runner Up,**
- [ ] **Acceleration Runner Up,**
- [ ] **Assembly's Disassembly Winner.**

# Vision

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.


# Mission

Pillai HOC College of  Engineering and Technology will admit,

educate and train for engineering graduation a diverse population of

students who are academically prepared to benefit from the Institute's

infrastructure and experience, to become responsible professionals in

a technical arena. It will further attract, develop and retain dedicated,

excellent teachers, scholars and professionals from diverse

backgrounds whose work gives them visibility beyond the classroom

and who are committed to making a significant difference in the lives

of  their students and the community.

# GENESIS

**The Mahatma Education Society (MES)** embarked upon its mission of "Education for All" with Chembur English School in the year 1970. The Mahatma Education Society is a proof of a vision linked irrevocably to national goals. Born in a time when education was deemed service, it set about bringing social and economic change through the proactive personal development of every child that came into its fold. The vision, dedication, global outlook, tenacious struggle and undaunted spirit of Dr. K. M. Vasudevan Pillai (Founder, Chairman and CEO) and Dr. Daphne Pillai (Secretary), the Trust grew from a single school into enormous group of institutions at diverse locations delivering quality education at all levels.

Today **MES owns and manages over 48 institutions** spread across six elegant Campuses at Borivali, Chembur, Powai, Khanda Colony New Panvel (W) and Rasayani. It manages educational Institutions from pre-primary to post graduation. It comprises of Schools, International Schools, Degree Colleges, Night Colleges, Management Institutions, Engineering Colleges, Architecture Colleges, Colleges of Education (including Physical Education) and Polytechnic Institutions. Popularly known as the Pillai Group of Institutions, this institution has its own major teacher training institutes, which allow it to define its own standards and to achieve 100% results unfailingly. The group has more than 35,000 students, 2,000 teachers and 1,500 members of support staff.

## THE INSTITUTE

The MES group after establishing its name in the field of education with the experience of around 30 years, ventured into the field of Engineering Education with the establishment of Pillai College of Engineedring (PCE) in the year 1999 in Panvel. Subsequently, after successfully running Pillai College of Engineering for more than a decade, MES set up the Pillai HOC College of Engineering and Technology at Rasayani. **Institute offers undergraduate (Bachelor of Engineering) postgraduate (Master in Engineering)programs and Ph.D. Programe.**

PHCET has state-of-the-art facilities and distinguished faculty who have been a nurturing ground for students of high academic capabilities. It is established on a 14 acre of lush green campus with more than 3,00,000 sq. ft of built up area comprising of spacious classrooms, well-equipped laboratories and workshops, new age computer facilities and a well-stocked library which provide a stimulating educational environment within the college. PHCET is housed in an eleven storied building. The College has attracted qualified and experienced faculty members catering to the needs of all the departments.

PHCET offers comfortable hostel facilities at very nominal charges with hygienic vegetarian and non-vegetarian cuisine. The opportunity to study at Rasayani gives the tranquillity of village life without compromising on the attractions of the bustling city life.

PHCET imparts quality education by experienced and expert faculty and makes sure that students studying at PHCET pass out with flying colours irrespective of their initial academic performance. Each of our faculty members mentor our students and are available for guidance for about 15 students on a personal basis.

At PHCET, we believe in encouraging the students by creating an atmosphere where learning is fun. Faculty employees a learning centric approach.

### Affiliation and Accreditation

- Institute is established in 2009
- Affiliated to University of Mumbai
- Approved by All India Council for Technical Education (AICTE), New Delhi
- Recognized by Government of Maharashtra
- Computer Engineering and Mechanical Engineering are Accredited by National Board of Accreditation (NBA).
- Accredited by (NAAC) "A" Grade
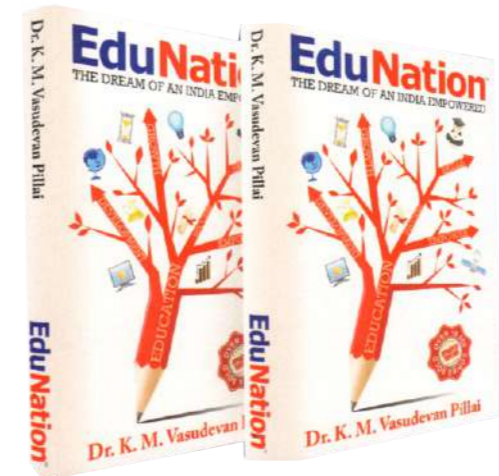- ISO Certified 9001:2015.

# FROM THE CHAIRMAN'S DESK



**Dr. K. M. Vasudevan Pillai**
*Chairman & C.E.O*
*Mahatma Education Society*

*We are committed to provide a holistic education based on new generation academics that creates powerful global career options to our students and at the same time make them key contributors to the society at large. We strive to achieve nation building by emphasizing on character building of individual. This is done through approach of mentoring."*

I believe that globalization as a "process is taking place independently of us. We have no option but to recognize it, understand it, and avail of its opportunities. In a globalized world, there is no room for an economy delinked from world trade and progress. If we do not gain the necessary skills to compete, and if we do not make these skills explicit to the world, we will be left behind. The world is looking at us so seriously today because we have one of the largest youth populations in the world. By educating them, giving them self-worth and the confidence to know what they can achieve and deliver. I believe a youth – empowered India is an India capable of affecting the world; it can define intellect and courage as its most powerful human assets, and can claim the 21st century as its own. I firmly believe that we can create a nation where every child enjoys every opportunity to grow into a self-reliant, self-respecting individual, capable of bringing his / her knowledge to serve his / her God, his / her family, and his / her country. Only when we achieve this through our collective will and our persistent effort will be able to throw off the stigma of being developing nation. We will be known not just as a knowledge economy, with skills in Information Technology (IT) and engineering, but as an industrial economy driving the forces of production worldwide, and as a rural economy that nourishes the land in which it thrives. We in phcet impart the sense of responsibility on the emerging generation of young leaders to realize this dream of an India empowered.

**Dr. K. M. Vasudevan Pillai** has documented his travails in the progress of Mahatma Education Society through a book titled **EduNation : The Dream of an India Empowered.** This is an unprecedented piece of work. It not only exposes the glaring inadequacies of the Indian educational

system over a period of 60 years of Independence, but through a deep personal study of how things work in advanced countries, and through the examples of a spirited entrepreneurship of the author's own life provides chapter after chapter of meaningful hope. The book is an invaluable resource for all those interested in tapping into India's vast human capital. Government looking at reforms, entrepreneurs looking for real-time management truths, institution-builders wanting to get their foundations right, educators intent on getting, parents, teachers, students and philanthropists. It speaks to all in a language that is lucid, and with a pace, that is representative of the author's own scale of growth. The book released in March 2010 is now the topic of discussions in academic and literary circles, and has drawn considerable attention to the path breaking and untiring efforts of Dr. K. M. Vasudevan Pillai and Dr. Daphne Pillai in the field of education. On Monday the 28th June 2010, Dr. K. M. Vasudevan Pillai presented his book EduNation to the Hon. Union Minister, HRD, and Government of India Mr. Kapil Sibal. On the 15th September 2010, His Excellency Governor of Maharashtra, Mr. K. Shankaranarayanan" granted them an exclusive audience at Raj Bhavan, Mumbai.

# MESSAGE FROM PRINCIPAL

A warm welcome to all the aspiring engineers to our Institute. We are happy that you intend pursuing a career in engineering. Our college – PHCET - offers a range of programs to choose from in both Engineering and Technology streams at undergraduate, postgraduate and docterd levels. Engineering education has been among the key enablers of growth for transforming India's economy. Though there is huge demand for the knowledge professionals, the quality of teaching and research plays a crucial role in the emergence of our country as a global knowledge leader and now as a manufacturing and design hub. Quality education provides vital inputs for enhancing productivity across sectors. With the growth in the economy, there is a huge scope for engineers of every branch to contribute to the growth of the world.

The preparation for such a course definitely has its own challenges. It is important to distinguish between hard study and smart study. We encourage our engineering students to indulge in smart study. At PHCET we have excellent faculty who themselves undergo periodic academic audits to ensure that the students are being trained to be best engineers for the world. Our laboratories are fully equipped with advanced facilities to hone the practical skills. The opportunity and facility that we provide transforms the enthusiastic student into a thorough engineering professional. However, apart from academic activities, the co-curricular activities, sports, cultural and social-service activities, form important parts of the life of the students. This importance is well indicated in the spread of various activities at our Institute. Participation in co-curricular and extra-curricular activities leads to a holistic personality development.



**Dr. Madhumita Chatterjee**
**Principal**

Dr Madhumita Chatterjee has done her M.Tech and PhD in Computer Science and Engineering from IIT Mumbai and has a B.Sc Tech degree in Computer Technology from University of Mumbai. She has 27 years of teaching experience and has guided more than 35 students for their Master's program in Computer and Information Technology. She is also an approved guide for Ph. D. in computer Engineering. She is a member of the Adhoc Board of Studies, Computer Engineering, University of Mumbai and has been an active member of the syllabus framing committee, University of Mumbai, for both Under graduate and Post graduate courses of Computer Engineering and Information Technology . She has also been a reviewer of several conference including Springer conference. She has more than 65 publications to her name in peer reviewed International Conferences and Journals. She has developed applications to Secure Online Social Networks and techniques to prevent attacks in Android applications. She was invited as Session Chair in IEEE-ICC-CISS 2009, 14th - 18th June, Dresden, Germany (Rank-1 IEEE Conference) and she also presented paper in the conference. She has received funds of Rs. 12.5 lacks from AICTE under Modrobs scheme for setting up Advanced Networking Lab. She has delivered talks on Cyber Security and Digital Forensics in several colleges of Mumbai and Pune.

# COURSES OFFERED

## BACHELORS DEGREE IN ENGINEERING

| COURSE | FIRST YEAR |
|---|---|
| Automobile Engineering | 60 |
| Civil Engineering | 120 |
| Computer Engineering | 120 |
| Electrical Engineering | 60 |
| Electronics & Telecommunication Engineering | 60 |
| Information Technology | 60 |
| Mechanical Engineering | 180 |
| **Total** | **660** |

## MASTERS DEGREE IN ENGINEERING

| COURSE | INTAKE |
|---|---|
| Civil Engineering (Construction Engineering & Management) | 24 |
| Computer Engineering | 18 |
| Electronics & Telecommunication Engineering | 18 |
| Mechanical Engineering (With Specialization in Machine Design) | 18 |
| **Total** | **78** |

## Doctor of Philosophy (Ph.D.)

| | |
|---|---|
| **Ph.D. in Civil Engineering** | **10** |
| **Ph.D. in Computer Engineering** | **10** |

### Admission procedure will be done as per the
### Directorate of Technical Education norms

This institution is Maharashtra Educational Institutions (Prohibition of Capitation Fee) Act, 1987
compliant and does not seek capitation fees.

# GRIEVANCE REDRESSAL COMMITTEE

## College Grievance Redressal Cell

| | |
|---|---|
| Dr. Madhumita Chatterjee | Chairperson (Principal) |
| Dr. Manvendra Vashistha | Member |
| Dr. Mansi Subhedar | Member |
| Ms. Vishakha Gajghate | Member |
| Dr. Ashok Kanthe | Member (Secretary) |

## Internal Complaints Committee

| | | | |
|---|---|---|---|
| Dr. Shilpa Kewate | Chairperson | 9960591296 | shilpakewate@mes.ac.in |
| Mr. Asokan Selvaraj | Member | 8879395459 | aselvaraj@mes.ac.in |
| Ms. Manisha Jamgade | Member | 9892924541 | mjamgade@mes.ac.in |
| Ms. Sheetal Butle | Non-Teaching Staff Member | 9137160623 | sheetalbutle@mes.ac.in |
| Ms. Akanksha Patil | P.G. Student Member | 7387963369 | akankshapatil@mes.ac.in |
| Ms. Janvhi Chavan | U.G. Student Member | 8446928761 | jchavan@mes.ac.in |
| Ms. Sangitha Patil | Class IV Women Employee Representative | 9325552062 | ----------- |
| Dr. Celina Joy | NGO Member | 9833709566 | celina@mes.ac.in |
| Ms. Rohini Bhosale | Member Secretary | 08976658138 | rbhosale@mes.ac.in |

## ANTI-RAGGING COMMITTEE

| | | | |
|---|---|---|---|
| Dr. Madhumita Chatterjee | Chairperson | Dr. Avinash Gatade | Member |
| Dr. M. D. Nadar | Member | Mr. Sanjay Ghodpade | Member |
| Dr. S. S. Pawar | Member | Mr. Ashokan Selvaraj | Member |
| Dr. J. E. Nalavade | Member | Ms. Rao Radhika R. | Member - Female Student |
| Mr. R. D. More | Member | Ms. Sharma Anjali Brijesh | Member - Female Student |
| Mr. Raju Narwade | Member | Mr. Patel Het Vinod | Member - Male Student |
| Ms. Neha Shivhare | Member | Mr. Patil Davish Shankar | Member - Male Student |
| Ms. Ekta Ukey | Member | Mr. Suhas Uthale | Member Secretary |

# FACILITIES

Boys Hostel

Boys Hostel Room

Girls Hostel

Girls Hostel Room

Gymnasium

Cafeteria

Bus Facility

Cafeteria

Conclave
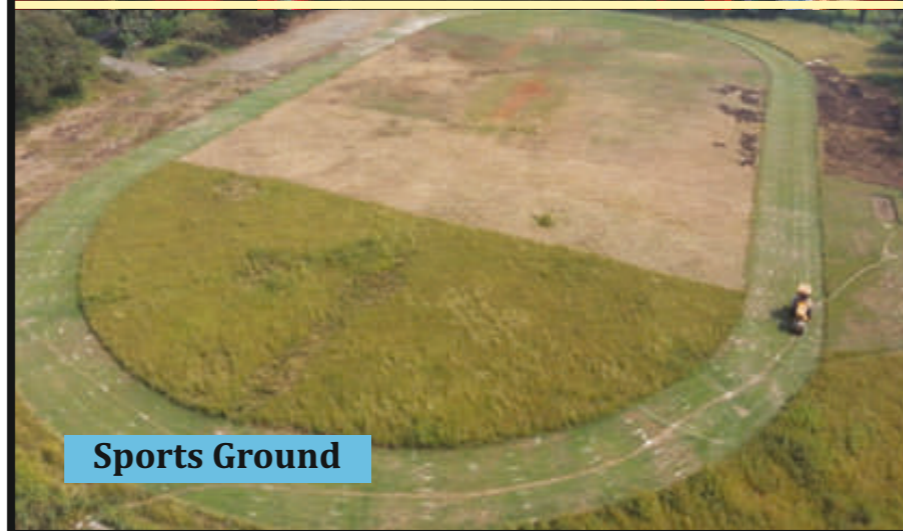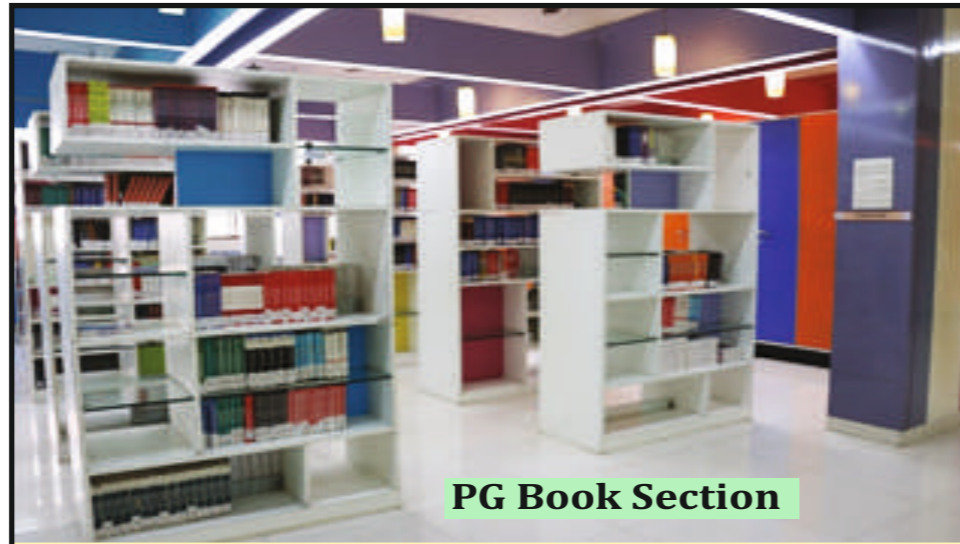
Auditorium

Engineering Lobby

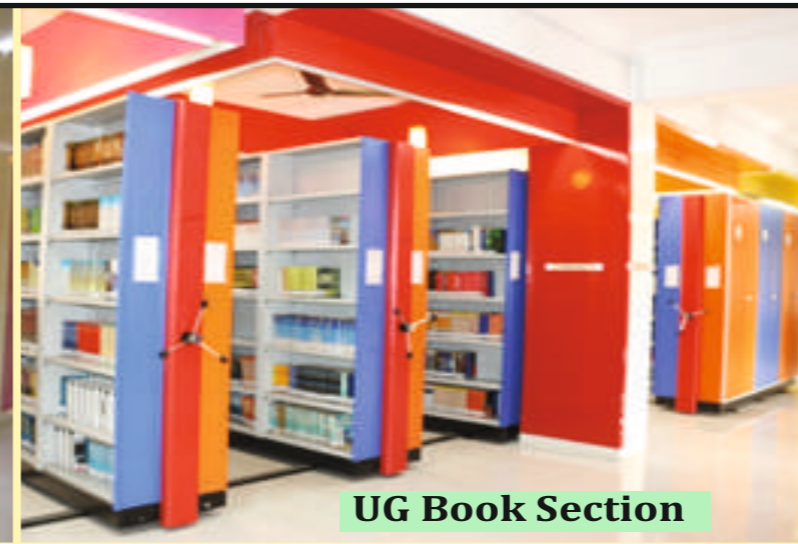Plastic Bottle Recycling Machine

Sports Ground

# LIBRARY



**PG Book Section**

**UG Book Section**

**DIGITAL LIBRARY**

**Engineering Lobby**

**Study workshop**

PHCET Library is one of the important central facilities of the Pillai HOCL Educational Campus catering to the information needs of faculty, research scholars and students in Engineering. The library has also created a learning environment by establishing Online Public Access Catalogue Searching Area, internet browsing area for accessing e-resources, Laptop zone with Wi-Fi facility and specialized workstations like discussion rooms for users. Our library has more than 25000 books, 76 national and international magazine and journals. In addition to this; we have 6495 e -journal and 2094 e -books along with this free NPTEL videos are available.

# RESEARCH & DEVELOPMENT

# ISRO PILLAI'S (PHCET) OUTREACH NETWORK INSTITUTE



**DRM SAMUDRAIAH Retd. Deputy Director**
**Space Applications Centre (SAC), ISRO, Ahmedabad Branch**

**DR. PRAKASH CHAUHAN**
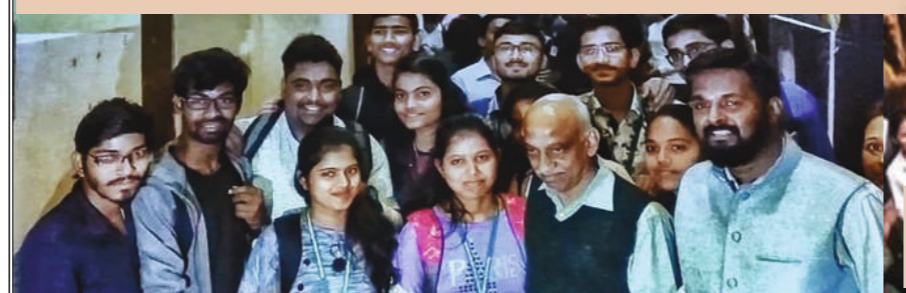Director Indian Institute Of Remote Sensing (ISRO) Dehradun

**PRAYOG 2019 Space Science Competition was conducted at Pillai HOC College Of Engineering & Technology**



Students attended Internship training
IIRS & ISRO Dehradun

**Students along with Mr. A.S.KIRAN KUMAR Former chairman ISRO who is credited with development of key scientific instruments for Chandrayaan 1 and Mangalyaan appreciated PHCET students for then interest shown towards ISRO Outreach Programme.**

**PARTICIPANTS OF PRAYOG 2019 Space Science Competition was conducted at Pillai HOC College Of Engineering & Technology**



**Mr.Karthik Nagarajan ( Pillai ISRO Outreach Network Institute ) received the Best Coordinator award for the year 2018 in the field of Remote Sensing , GIS and Geospatial Technology from IIRS ( ISRO )**
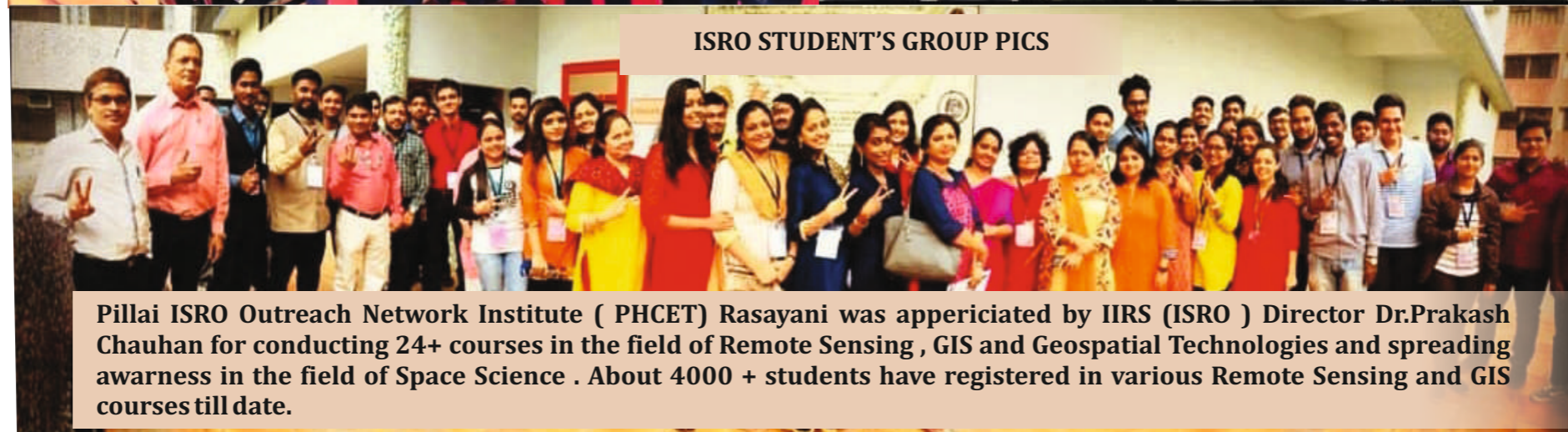
DRM SAMUDRAIAH AND DR. PRAKASH CHAUHAN Visited Pillai ISRO Outreach Institute (PHCET) and motivated the students to consider Space Science as a carrier option .Dr.K.M.Vasudevan Pillai felicitated both eminent scientists


Participants of ISRO Examination


Students receiving internship certificate

ISRO STUDENT'S GROUP PICS


Pillai ISRO Outreach Network Institute ( PHCET) Rasayani was appericiated by IIRS (ISRO ) Director Dr.Prakash Chauhan for conducting 24+ courses in the field of Remote Sensing , GIS and Geospatial Technologies and spreading awarness in the field of Space Science . About 4000 + students have registered in various Remote Sensing and GIS courses till date.

# DEPARTMENT INFORMATION

## DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

**Dr. Manvendra Vashistha** has completed his Ph.D.in Physics from Department of Non Conventional Energy Resources, University of Rajasthan in 2000 and MBA in HR from National Institute of Business Management, Chennai in 2009.He has more that 28 year of teaching and research experience. His Research area include thin film metal hydrides, complex and chemical hydrides and other hydrogen storage materials. He has more than 40 International Journal Research Publication to his credit.

### VISION

To train and develop the basic skill-sets which in turn facilitate the achievement of academic excellence in students and to help them to excel in their professional careers of choice.

### MISSION

To provide value based education and mould the character of younger generation through Basic Sciences and Professional ethics to inculcate discipline and perseverance through methodological teaching with the aim of making them better professionals and better citizen

**Department Laboratories**

1. Applied Physics
2. Applied Chemistry
3. Language Lab
4. Basic workshop

# AUTOMOBILE ENGINEEERING

**Dr. Pawar Sandipan Shankar** has completed Ph.D. in Mechanical Engineering from University of Mumbai in 2014. His research area is Heat Transfer in Helical Coils of Circular and rectangular cross sections. He has over 23 years of teaching and 2.5 years of industrial experience. He has published more than 33 research papers in peer reviewed International journals like Springer, Elsevier and international conference Procedia. He is working as reviewer for CURIE, Springer, Tailor & Francis and Elsevier

Journals since 2014. He has received three times minor research grants from University of Mumbai and International Travel Grant from DST for presenting his Ph.D work in international conference organized by ASME in SAN DIEGO, CALIFORNIA STATE, USA in 2013. He has been nominated second time as Member of Board of Studies by Vice Chancellor of University of Mumbai for three years.

## VISION

To impart excellent quality education amongst students to achieve goals in field of Automobile engineering, vehicle design, dynamic, production & analysis.

## MISSION

1. To deliver combination of theatrical & practical knowledge to student thereby increasing their ability in field of automotive & auto-tronic.
2. To sensitize students to culture specific design paradigms.
3. To instill in the students a sense of ethical and professional behaviour.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

**PEO 1.** To prepare students in cutting edge technologies available in the field of FEA, CFD analysis for vehicle, automotive material, manufacturing and thermal engineering.

**PEO 2.** To help students to design and develop automotive products and system to meet any specified requirement by correlating theoretical and practical knowledge gained through various modeling software and machinery.

**PEO 3.** To nurture students in various emerging subjects such as management and communication to enhance interpersonal and leadership skills to improve employability.

**PEO 4.** To provide opportunity for students to develop real life projects by participating in professional bodies like SAE, e-Yantra, Go-karting.

**PEO 5.** To enable student to be self motivated for long life learning; towards his achievements ethically through project and business management.

### Program Specific Outcomes (PSOs)

The programme aims to develop technical competence and managerial skills in Automobile Engineering graduate that would enable one to:

**PSO 1.** Analyze and simulate automotive systems by conducting experimental studies and validating systems.

**PSO 2.** Apply theoretical knowledge to solve complex problems related to vehicle dynamics, maintenance and safety.

**PSO 3.** Contribute to interdisciplinary projects as a team player applying the technical knowledge and management skills effectively.

**PSO 4.** Develop ideas in the field of renewable energy, alternative fuels and aerodynamics.

### Faculty Area of Expertise

- ❑ Machine Design / Engine Design
- ❑ Heat Transfer
- ❑ Vehicle Maintenance
- ❑ Vehicle Safety and Vehicle Dynamis
- ❑ Strength of Materials
- ❑ CAD/CAM

### Labs

1. Vehicle Maintenance
2. Automotive System
3. Internal Combustion Engine
4. Heat Transfer
5. CAD/CAM

# CIVIL ENGINEERING

**Mr. Raju Narwade** has completed B.E. degree in Civil Engineering, M.E. in Structural Engineering and pursuing PhD from University of Mumbai. He has 18 years of teaching experience. He is an approved guide for ME program in Civil Engineering and has guided more than 15 students for their master's program in Civil Engineering. He is a member of syllabus revision committee for UG program in Civil Engineering and PG program in Construction Engineering and Management. His research area consists of structural engineering, hydrological parameters retrieval and impact assessment of climate change using remote sensing and GIS. He has published 20 research paper in National and International journals. He was selected for ISRO sponsored training program in 2018.

## VISION:

To impart quality education to Civil Engineering graduates by keeping pace with rapidly changing technologies and to create professionals through teaching-learning and research, with capabilities of accepting global challenges who shall maintain integrity to serve society keeping respect for the environment.

## MISSION:

To produce competent and quality conscious Civil Engineers with civic sense to strive for sustainable solutions and endeavor future engineers for excellence in all aspects to meet global standards and educating them for innovative thinking with relevance to professional career and entrepreneurship with industrial and social interface.

## PROGRAM EDUCATIONAL OBJECTIVES

**PEO 1:** To enable the student, to plan, analyze, design and its implementation on structures, transportation systems andhydraulic systems by taking into account geotechnical and other relevant aspects.

**PEO 2:** To enable the students to understand the reliability performance, economic feasibility and compliance to disaster resistance of various infrastructures.

**PEO 3:** To enable the students to be well acquainted with sound theoretical and practical knowledge to use advancedconstruction materials, tools and techniques to improve the performance of infrastructure.

**PEO 4:** To prepare the students to cope up with critical issues for professional practice and interaction with various stakeholders.

**PEO 5:** To enhance student's soft skills, leadership qualities, team spirit and responsibility towards society keeping in mind global industrial corporate requirement.

## PROGRAM SPECIFIC OUTCOMES (PSOs)
### A graduate in Civil Engineering is expected to be able to

**PSO 1:** Understand, analyse, interpret, design and estimate resources required for various civil engineering projects.

**PSO 2:** Address challenges of quality, consistency, finance and safety aspects of project management.

**PSO 3:** Use modern technologies and tools to implement infrastructure projects effectively

**PSO 4:** Work professionally and ethically as a team member to deliver multidisciplinary projects.

| Faculty area of Expertise: | Laboratories in Civil Engineering Department |
|---|---|
| ❑ Structural Engineering | ❑ Building Materials and Concrete Technology |
| ❑ Water Resources Engineering | ❑ Geo technical Engineering |
| ❑ Environmental Engineering | ❑ Fluid Mechanics |
| ❑ Transportation Engineering | ❑ Transportation Engineering |
| ❑ Construction Engineering and Management | ❑ Environmental Engineering |
| ❑ Remote Sensing and GIS | ❑ Applied Hydraulics |
| | ❑ Engineering Geology |
| | ❑ Research Laboratory |

# COMPUTER ENGINEERING

**Dr. Ashok M. Kanthe** has completed Ph. D. in Computer Engineering (Wireless Communication) from the Department of Wireless Communication at University of Zagreb, Zagreb, Croatia, Europe, Faculty of Electrical Engineering and Computing under Erasmus Mundus Mobility for life, lot 11. His research areas are Mobile Ad-hoc Networks, Security, Protocol Design, Wireless Communication. He has 23 years teaching experience. He is reviewer of Wireless Personal Communications an International Journal (Springer), Scopus Indexed Journal. He has published more than 18 research paper in peer reviewed international journal.

## VISION

To produce technically competent, innovative, self-motivated computer engineers, through the teaching - learning process and research with globally accepted standards, who shall be responsible towards society and the environment.

## MISSION

To develop graduates with competence, conscience and compassion who are prepared to excel in the field of computer engineering. To create an environment of excellence in both theoretical and practical aspects of computing.To encourage and strengthen innovative thinking and problem solving capability with emphasis on research and development with respect for the environment.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

1. To develop expertise with top-notch logical and analytical skills in different programming paradigm, good debugging skill and ability to work with advanced tools and techniques.
2. To provide students with vast amount of technical knowledge in core domains of algorithm design, data structures, databases management, networking and able to combine them to provide concrete solutions for real life problems.
3. To inculcate in students the ability to gain multidisciplinary knowledge through projects and industrial training, providing a sustainable competitive edge in R&D and meeting industry needs.
4. To create academic ambience, skilful communication, leadership quality, self-motivation and ethical values to discover successful career path in national and international companies.
5. Contribute to the development of the next generation computing through designing solutions for complex engineering problems using emerging computing technologies.

## PROGRAM SPECIFIC OUTCOMES (PSOs):

A graduate in Computer Engineering is expected to:

1. Apply knowledge of mathematical foundations, algorithmic principles and computer science in modelling and design of computer based systems.
2. Gather requirements, design and implement software projects using modern tools.
3. Solve real time problems by providing automated solutions in diverse fields of human endeavour.
4. Optimize the use of resources in problem solving and work as a team player.

### Faculty Area of Expertise

- ❑ Cryptography and System Security
- ❑ Advanced Computer Networks
- ❑ Wireless Network Security
- ❑ Data Mining
- ❑ Ethical Hacking and Digital Forensics
- ❑ Network Design and ManagementAdvanced Operating System
- ❑ Artificial Intelligence Machine Learning
- ❑ Internet of Things

### Lab:

- ❑ Computer Graphics Laboratory
- ❑ Internet Technologies Laboratory
- ❑ Security  Laboratory
- ❑ Artificial Intelligence Laboratory
- ❑ Programming Laboratory
- ❑ Digital Signal and Image Processing Laboratory
- ❑ Database  LaboratorySoftware Engineering Laboratory
- ❑ Data Structure and Algorithms Laboratory
- ❑ Open Source Laboratory  Networking Laboratory
- ❑ Computer Center

# ELECTRICAL ENGINEEERING



**Ms.Pranita Chavan** is Pursuing PhD from Sardar Patel College of Engineering,Mumbai University. She has completed M.E. Electrical (Power System) with Distinction from P.V.G's COET, Pune. Her research area is power sytem and power quality. She has 13 years of teaching as well as 2.5 years of industrial experience. She has published more than 10 papers in various conferences and journals. She is member of Syllabus revision committee under Mumbai University. She is a approved Post Graduation Teacher of Mumbai University.

## VISION

To produce competent Electrical Engineers and Researchers to meet the needs of global industry and benefit of society.

## MISSION

To produce competent Electrical Engineers who can tackle multiple responsibilities of analysis, design and implementation of electrical systems.

## PROGRAM EDUCATIONAL OBJECTIVES(PEO'S):

- Achieve personal and professional success with awareness and commitments to their ethical and social responsibilities.
- Maintain and improve their technical competence through lifelong learning and succeed in an advanced degree program in a field such as engineering and science.
- Student should be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- Student should be able to use the techniques, skills, and modern engineering tools necessary for engineering practices.
- Student must be updated about the new technological developments and contribute to the expansion of engineeringknowledge.

## PROGRAM SPECIFIC OUTCOMES (PSOS):

- Keep abreast of technological developments in the field of Electrical Engineering.
- Have the capability to participate in collaborative-multidisciplinary engineering projects and work as an effective team member in electrical domain.
- Apply technical skills and competencies to design and analyze Electrical systems.
- Have proficiency in the use of software and hardware to provide technical solutions to complex electrical engineering problems.

**Faculty Details**

Undergraduate Degree in Engineering (B.E.)

- Doctorate Degree Holders    :    01
- Masters Degree Holders    :    10
- Faculty Registered for Ph.D    :    04

**Faculty Area of Expertise**

| | | |
|---|---|---|
| ❑ Electrical Machines | ❑ Power Electronics | ❑ Power system |
| ❑ High Voltage Engineering | ❑ Electrical Power system | ❑ Power system Operation and Control |
| ❑ Power System Modeling | ❑ Embedded System | ❑ Microprocessor and microcontroller |
| ❑ Control systems | ❑ Instrumentation | ❑ Renewable Energy |

# ELECTRONICS & TELE-COMMUNICATIONS ENGINEEERING

**Dr. Mansi S. Subhedar** has completed Ph.D. in Electronics Engineering from RTMN University, Nagpur. She has 15 years of total teaching experience. She has published more than 30 papers in peer-reviewed international journals and conferences. She has worked as Hon. Secretary of IETE Navi Mumbai centre for the past 4 years. She is a reviewer for international journals (Elsevier, Springer, Taylor, and Francis, etc) and conferences of repute. She has received a research grant for three research projects from the University of Mumbai. She is a life member of ISTE, IETE, and IE. She is an approved Post Graduate teacher recognized by the University of Mumbai. Her research interests include next-generation networks, artificial intelligence, and signal processing.

## VISION

To develop competent Electronics and Telecommunication engineers through an effective teaching learning process and quality research to make them world class professionals who strive continuously in pursuit of excellence with commitments for the society and respect to environment.

## MISSION

1   To focus on innovative and interactive teaching learning process and shaping their academic foundation in Electronics and Telecommunication Engineering.
2.  To inculcate global competencies in our students to excel them in quality education and research.
3.  To develop spirit of professionalism and ethical attitude amongst students with strong commitment towards society.

## PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

1.  To provide theoretical knowledge and practical training in Electronics and Telecommunication Engineering subjects for deploying feasible systems.
2.  To develop the next generation Telecommunication technology through research and development.
3.  To educate the students to analyze the technical problems of the society and find the product based solution in responsive and innovative manner.
4.  To inculcate the habit of lifelong learning of career development through successful completion of advance professional courses, industrial training etc.
5.  To create awareness among the students towards the ethical, social and environmental issues in the professional career.

## PROGRAM SPECIFIC OUTCOMES (PSOS)

A Graduate in Electronics and Telecommunication Engineering should be able to

1.  Analyse complex engineering problems in Electronics and Telecommunication and identify optimal solutions
2.  Design systems and processes to meet the needs in Electronics and Telecommunication Engineering with a realistic understanding of the constraints of resources
3.  Understand and resolve the challenges in multidisciplinary projects and contribute productively as a team player
4.  Choose the world of work or pursue advanced studies in the chosen field of an individual.

**Areas of Expertise:**
- ❑ Wireless Communication
- ❑ Optical Fibre and Satellite Communication
- ❑ Antenna Design
- ❑ Embedded systems
- ❑ Intelligent Systems

**Labs**
- ❑ Analog Electronics Lab
- ❑ Industrial Electronics Lab
- ❑ Advanced Communication Lab
- ❑ Antenna & Microwave Lab
- ❑ Communication Lab
- ❑ Instrumentation & Control Systems
- ❑ Project Lab
- ❑ Simulation Lab
- ❑ microprocessor & Microcontroller Lab
- ❑ Signal Processing Lab
- ❑ Digital Electronics Lab

# INFORMATION TECHNOLOGY

**Dr. Jagannath E. Nalavade** has completed Ph.D. in Computer Engineering from Vel Tech Rangrajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai. His research areas are Data Mining, Machine Learning, Artificial Intelligence. He has 13 years of teaching experience. He has published more than 17 research papers in peer reviewed International journals like Springer, Elsevier Procedia. He is working as reviewer for Springer and Elsevier Journals(Information Sciences, Journal of Intelligent Systems, Computers & Electrical Engineering, International Journal of Bioinformatics Research and Applications).

## VISION

To explore and impart competent and skilled intellectual IT professionals through excellent teaching learning who can focus on research and innovation to cater global challenges, professionalism, excellence and evolve as motivated information technology graduates with strong ethical values for modern computing society.

## MISSION

To develop technically competent IT professionals with strong foundations, able to adapt the changing technology. To inculcate a spirit of team work, innovation and civility among the students through continuous learning and research in the core and emerging areas of Information Technology. To empower students to design, develop and test world class software systems and innovative products for solving real life problems and serving society.

## PROGRAM EDUCATIONAL OBJECTIVES(PEO'S)

1. To provide students with a strong foundation of integrated IT based solution based on analysis, design, implementation, and testing.
2. To make students to be able to select and apply current techniques and IT tools necessary for computing practices and integrate IT based Solutions into the user environment effectively.
3. To enable students for analyzing real life problem, provide technically sound solutions that are economically feasible and socially acceptable.
4. To provide exposure to emerging cutting edge technologies, adequate training & opportunities to work as a team on multi disciplinary projects with effective communication skills and leadership qualities.
5. To promote an understanding of lifelong learning and research temperament.

## PROGRAM SPECIFIC OUTCOMES (PSOS)

The programme aims to develop technical competence and managerial skills in Information Technology graduate that would enable one to:

1. Design, implement and evaluate computer based systems or processes to meet specific requirements.
2. Develop IT solutions for complex problems paying attention to public health, safety, and the cultural, societal, and environmental issues.
3. Demonstrate knowledge and understanding of principles of project management and system thinking and apply these to manage large IT projects in multidisciplinary environments.
4. Work as a team member or a leader to accomplish the common goal in a multidisciplinary team.

**Faculty Area of Expertise**

- ❑ Machine Learning
- ❑ Image Processing
- ❑ Data Mining
- ❑ Artificial Intelligence
- ❑ Internet of Things
- ❑ Cyber Security

**Labs**

1. Open Source Lab
2. Network Lab
3. Programming Lab

# MECHANICAL ENGINEEERING

**Dr.GajendraV.Patil** is a Professor & Head of Mechanical Engineering Department. He holds his Ph.D. degree in Mechanical Engineering from Veermata Jijabai Technological Institute (VJTI). His area of research is Flow-induced vibration, Design and Finite element analysis. He has total 19 .5 years of experience, 17 years in teaching and research (approved faculty)and 2.5 years in industrial experience. He is a approved Post Graduate teacher recognized by University of Mumbai. He has published his research in technical peer reviewed National & International publications.

## VISION

To establish a department of excellence in Mechanical Engineering encompassing design, manufacturing, and thermal sciences by providing high quality education through teaching-learning process and research to meet the technological challenges.

## MISSION

To educate and prepare undergraduate students with theoretical and practical skills required for successful career in mechanical and allied discipline with ethics and respect to environment

## PROGRAMEDUCATIONALOBJECTIVES(PEO'S)

1. To prepare students for advanced technologies available in the fields of finite element analysis, robotics, materials, manufacturing, automobile and thermal engineering.
2. To educate students in design and development of mechanical products and systems that meet specified requirements by correlating theoretical and practical knowledge gained through various modelling applications and machines.
3. To train students in various interdisciplinary subjects including management and communication to enhance interpersonal and leadership skills which will ultimately improve employability.
4. To provide opportunity for students to develop real time projects by participating in professional bodies like SAE, e-Yantra, MESA.
5. To motivate students for lifelong learning and pursuing their achievements, while retaining high ethical values through project and business management.

## PROGRAMSPECIFICOUTCOMES(PSO'S)

The programme aims to develop technical competence and managerial skills in Mechanical Engineering graduate that would enable one to:

- ❏ Analyse mechanical systems by conducting experimental studies and simulations.
- ❏ Solve complex problems in the domains of design, thermal, manufacturing and Interdisciplinary systems.
- ❏ Apply technical and managerial knowledge and skills to work as good team players in interdisciplinary projects.
- ❏ Identify new sources of renewable energy and contribute towards the society.

## Laboratories

| | | |
|---|---|---|
| ❏ Workshop | ❏ Engineering Mechanics | ❏ Strength of Materials |
| ❏ Refrigeration And Air Conditioning | ❏ Pumps, Fans & Compressors | ❏ Kinematics of Machinery Lab |
| ❏ Mechanical Vibration Lab | ❏ Mechanical Measurements and | |
| ❏ Mechatronics & Material Technology Lab | Metrology Lab | |
| | ❏ Research Lab | |

# DEGREE DISTRIBUTION CERTIFICATE CEREMONY

# TOPPERS OF PHCET



# Toppers of 2018-19

## DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

| SR NO. | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1. | PATIL SAMEER SANJAY | 9.24 |
| 2. | KADAM VAIBHAV KISAN | 9.09 |
| 3. | SHELKE SANSKRUTI DAMODAR | 8.94 |

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | PATIL NIRANJAN BABASAHEB | 7.17 |
| 2 | KALSULKAR SAHIL SITARAM | 6.75 |
| 3 | SAWANT SARVESH ARUN | 6.54 |

### TE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | KAWADE ROHIT CHANDRAKANT | 8.4 |
| 2 | KANOJE VAIBHAV PANDURANG | 7.82 |
| 3 | CHAFEKAR KAUSHIK MANIK | 7.12 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | NADAR GANESHKUMAR MUTHU | 8.77 |
| 2 | MHATRE MITESH MANOJ | 8.45 |
| 3 | TALVATKAR SHUBHAM SIDHARTH | 8.39 |

## DEPARTMENT OF CIVIL ENGINEERING

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | PATIL RUTUJA SANJAY | 9.09 |
| 2 | SHAH SAGAR SHAILESH | 8.73 |
| 3 | BHATARE KARTIK KESHAV | 8.55 |

### TE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | GAWAND PRAJAKTA UDAY | 8.69 |
| 2 | GOLIMBADE MONIKA CHINTAMAN | 8.45 |
| 3 | SHELAGE AKASH KEDARNATH | 8.44 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | DAVATE SAGAR NITIN | 9.65 |
| 2 | SAKHARE GAURI KIRAN | 9.27 |
| 3 | PATIL RAHUL RAMESH | 8.8 |

### ME

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | SAHU SACHINKUMAR SANTOSH | 8.19 |
| 2 | BARAD DEEPALI SUNIL | 7.45 |
| | JAISWAL ANAMIKA DILIP | 7.45 |
| | SHAH SHRENIK DINESH | 7.45 |
| 3 | PATIL AKASH JAYWANT | 7.38 |

# TOPPERS LIST

## DEPARTMENT OF COMPUTER ENGINEERING

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | JAGTAP PRAVEEN SUBHASH | 8.86 |
| 2 | MANOHAR SANKET SANTOSH | 8.38 |
| 3 | POTE AMEY SHIRISH | 8.12 |

### TE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | MATE MAYURI MARUTI | 9.62 |
| 2 | DALVI POOJA DATTATRAY | 8.79 |
| 3 | DESHMUKH TRUPTI RAMDAS | 8.68 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | NAIR SRIJEET MOHAN | 9.46 |
| 2 | HARIKUMAR DEVIKA INDU | 9.44 |
|  | THETHA DAS | 9.44 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 3 | CHAVAN NIKITA SUNIL | 9.05 |

## DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | DALVI BRAHMI BHALCHANDRA | 8.27 |
| 2 | SOLANKI GAURAV DEEPAK | 8.24 |
| 3 | PATIL VINAYA VASANT | 8.16 |

### TE

| TOPPER | NAME OF CANDIDATE | CGPA |
|--------|-------------------|------|
| 1 | CHANDGUDE PRATIKSHA POPAT | 8.24 |
| 2 | DHAMANE ANKITA DINESH | 7.83 |
| 3 | BHOIR KIRTI ATMARAM | 7.74 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | JADHAV SNEHA NAMDEV | 8.87 |
| 2 | YADAV NEELAM RAMESH | 8.76 |
| 3 | SUTE SAMRADNYEE VILAS | 8.60 |

### ME

| TOPPER | NAME OF CANDIDATE | CGPA |
|--------|-------------------|------|
| 1 | DHULE AKSHAYEE BHARAT | 8.35 |

## DEPARTMENT OF ELECTRICAL ENGINEERING

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | NAG SIDDHARTHA AMIT | 8.94 |
| 2 | GADMALE ADITYA VIJAY | 8.21 |
| 3 | JADHAV PRADNYA RAGHUNATH | 8.08 |

### TE

| TOPPER | NAME OF CANDIDATE | CGPA |
|--------|-------------------|------|
| 1 | DHANGAR AKSHATA BABAJI | 8.63 |
| 2 | TETGURE NITESH DATTARAM | 8.59 |
| 3 | JANGAM PRATHAMESH PRAKASH | 8.23 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | PAWAR PRASAD ASHOK | 9.03 |
| 2 | THAKUR KARAN RAJESH | 8.69 |
| 3 | MENGADE RAJESH VITHAL | 8.65 |

## DEPARTMENT OF INFORMATION TECHNOLOGY

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | ANPAT SANDHYA UDDHAV | 7.71 |
| 2 | DESHMUKH MRUNAL RAJESH | 7.63 |
| 3 | NAYAK NIDHI DEVANNA | 8.08 |

### TE

| TOPPER | NAME OF CANDIDATE | CGPA |
|--------|-------------------|------|
| 1 | KHANE RAHUL RAGHUNATH | 9.21 |
| 2 | KOLI HEMANGI PARSHURAM | 9.15 |
| 3 | TURE SUHANI DEVIDAS | 8.61 |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|--------|-----------------|------|
| 1 | KHOBRE CHINMAY GAJENDRA | 8.23 |
| 2 | BORATE SURAJ SHIVAJI | 8.13 |
| 3 | JADHAV SANDESH SANJAY | 7.96 |

**DEPARTMENT OF MECHANICAL ENGINEERING**

### SE

| TOPPER | NAME OF STUDENT | CGPA |
|---|---|---|
| 1 | PATIL MAYUR BHAGWAN | 8.92 |
| 2 | PALKAR ROHIT SURESH | 8.92 |
| 3 | SONTAKKE RUPAK RAJENDRA | 8.32 |

### TE

| TOPPER | NAME OF STUDENT | CGPA |
|---|---|---|
| 1 | PIMPARE SOMESH SATISH | 9.15 |
| 2 | SHAH HARSHIT NARESH | 8.31 |
| 3 | GORE AKSHAY KRISHNA | 8.30 |
|  | MASHILKAR MEERA AJAYKUMAR | |

### BE

| TOPPER | NAME OF STUDENT | CGPA |
|---|---|---|
| 1 | NALAWADE AMOL LAXMAN | 9.22 |
| 2 | PALIWAL MANOJ MANGILAL | 9.21 |
| 3 | KAWADE SHUBHAM DATTATRAY | 9.03 |

### ME

| TOPPER | NAME OF STUDENT | CGPA |
|---|---|---|
| 1 | PATIL ASHWINI ANNASAHEB | 6.95 |



Devika Haridas
9.85 CGPA

Theeta Das
9.85 CGPA

Srijeet Nair
9.41 CGPA



TOPPERS LIST

## Memorandum of Understanding

| Name of the institution / industry / corporate house | Month/ Year of Signing MoU | Details |
|---|---|---|
| Taloja Industries Association | 27th Jan 2020 | Skill development programs, guest lectures, FDP, technical training and internship |
| Padeco India Pvt. Ltd | 2nd Jan 2020 | Promote and enhance the industry interaction of the institute in mutually beneficial area Construction Engineering |
| Tata Power Skill Development Institute, Shahad | 17th Oct 2019 | Training on power system and Solar power installation with assistance in placement and internship in Tata Power |
| Chetan Construction, Pali, Raigad | Sept 2019 | Internship to students and organize placement drive |
| J. M. Mhatre Infra Private Ltd, Navi Mumbai | Sept 2019 | Offer industry projects for BE & ME students and internship to students with conduct placement drive |
| Reliance Industries Ltd/ Biocrux Ltd, Mumbai | July 2019 | Recognition for Institute for conducting R&D, Packaging and waste management like Automation, functionality and IOT |
| Siemens–SITRAIN, Mumbai | July 2019 | Professional training environment with standardized training equipment with certified trainers to make students compatible for the industry. |
| Programming Hub | July 2019 | Students and faculties can learn 30+ programming languages with interactive lessons, programming code examples and assessments |
| Teleman, Mumbai | Jun 2019 | Integrates Professional training and initiates job opportunities in Telecom operations, maintenance and installation. |
| Rightsol PTE. Ltd. Singapore | 26th June 2019 | Training Sessions, Internship opportunities, conduct Hackathon, workshops, seminars for students and faculty |
| Perpetual Gravity Labs Pvt. Ltd. | May 2019 | Opportunities for internship, projects for final students and R & D projects for students as well as faculties |
| RCF Ltd, Mumbai | May 2019 | Internship opportunities to students |
| OHT Fastcomp Pvt. Ltd, Navi Mumbai | March 2019 | Enhance the industry institute interaction for mutually beneficial area, "Manufacturing of high tensile fasteners and cold forged products |
| Greycast Founders, Ambernath Bhuj, Gujrat | Feb 2019 | Initiate interaction between industry and institute in the areas of sand & investment castings, virtual designs,3D printing, environmental health and safety |
| Performance Motor Works (AIRC), Pune | October, 2018 | Offer a course on "Go-kart Designing and Manufacturing." CAD using SOLIDWORKS and CAE using ANSYS. |

## Memorandum of Undertaking

| Name of the institution / industry / corporate house | Month/ Year of Signing MoU | Details |
|---|---|---|
| IFS Academy, Pune, CAD/CAM Training Pvt. Company | July, 2018 | Authorised CAD/CAE training .Courses on CATIA and CREO |
| CISCO, Mahatma Education Society | 2018-19 | IoT Connecting Things, Big Data & Analytics Instructor Training, CCNA R & S Instructor Training |
| SAP Education Pvt. Ltd. | 2017-18 | Learning Centre and Sap Student Academy course |
| IDFC foundation, Mahatma Education | 2016-17 | Monitoring and evaluation of urban expansion through Urban Expansion Laboratory |
| Tele networks Technologies | 2017 | On-campus training on CCNA routing and switching |
| Zensar Technologies Ltd | 2014-15 | Promotion of special education and employment enhancing vocational skills for students of MES's to make  them able to reach a skill level as expected by IT industry for job functioning |
| Google India Pvt. Ltd. | 2013 | Apps for Education |
| Google Ireland | 2013 | Infrastructure Development |

# TRAINING & PLACEMENT



RAJU SOTWARE LAB PLACEMENT DRIVE

JAPANESE 3$^{RD}$ PARTY APTITUDE TEST

MAHINDRA SANYO PLACEMENT DRIVE

JAPANESE 3$^{RD}$ PARTY APTITUDE TEST

APTITUDE TRAINING

APTITUDE TRAINING

# COMPANIES PARTICIPATING IN PLACEMENTS

## BUSINESS PLAN

Five teams competed at the finale of Business Plan Competition 2018-19

held on 5th April, 2019 at the Conclave,

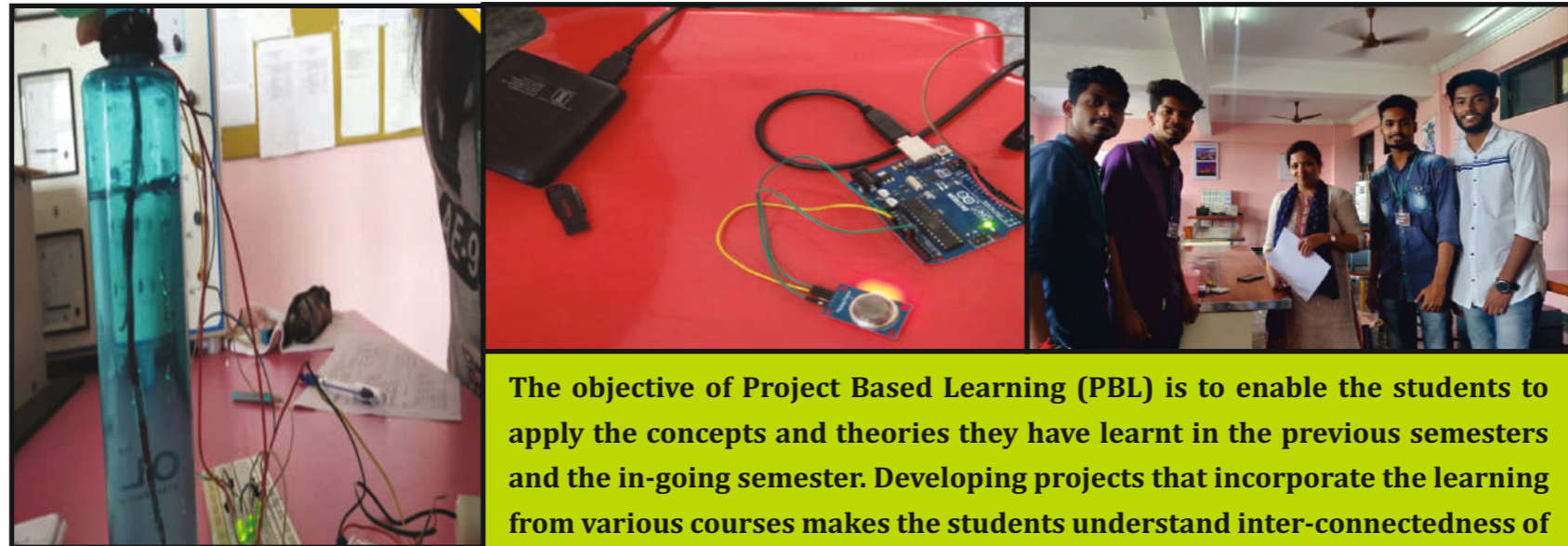## Dr. K. M. Vasudevan Pillai Campus, Panvel.

The first runners up were

Team Nustaa Chai from

Pillai HOC College of Engineering and Tehnology, Rasayani.

# PROJECT BASED LEARNING



The objective of Project Based Learning (PBL) is to enable the students to apply the concepts and theories they have learnt in the previous semesters and the in-going semester. Developing projects that incorporate the learning from various courses makes the students understand inter-connectedness of the courses.

# INDUSTRY INSTITUTE INTERACTION

# EUFORIA

# EUFORIA

# SHIV JAYANTI CELEBRATION

# ROBOGRIA

# N.S.S.

# MAVERICK

# AVISHKAR



(L to R): **Dr. Sunil Patil** (Organizing Secretary & Director, Department of Students Development **UoM**), **Dr. Ajay Deshmukh** (Registrar, **UoM**), **Mr. Karthik N** (Asso.Prof, **PHCET**), **Dr. Ravindra Kulkarni** (Hon'ble Pro Vice Chancellor, UoM), **Dr. Vinod Patil** (Director, Board of Examinations and Evaluation, **UoM**)

# HACKATHON

# SPORTS



PHCET Team during Reliance Cup All India Football Tournament



Mumbai University Zone IV Runner Up Team PHCET

# COMMUNITY SERVICE

# MAHATMA EDUCATION SOCIETY
**A TRUSTED NAME IN EDUCATION SINCE 1970**

*Pillai*

## INSTITUTIONS CONDUCTED

### SCHOOLS

**(S.S.C. PROGRAMME)**
- Chembur English Pre-Primary & Primary School - *Chembur*
- Chembur English High School - *Chembur*
- Chembur Marathi Madhyamik Shala - *Chembur*
- Powai Marathi Madhyamik Shala - *Powai*
- Mahatma School of Academics and Sports - *Khanda Colony, New Panvel* (Pre-Primary, Primary & Secondary, English & Marathi Media)
- HOC International School - *Rasayani* (English & Marathi Media)

**(CBSE PROGRAMME)**
- Mahatma International School *Khanda Colony, New Panvel*
- HOC International School - *Rasayani*

### JUNIOR COLLEGES

- Chembur English Junior College - *Chembur*
- Mahatma Night Junior College - *Chembur*
- Mahatma School of Academics & Sports, Junior College of Arts, Science & Commerce *Khanda Colony, New Panvel*
- HOC Junior College - *Rasayani* (Junior College of Arts, Commerce, Science with Vocational)

### TEACHERS' TRAINING INSTITUTIONS

**D.T.Ed.    B.Ed.    B.P.Ed.    M.Ed.    Ph.D.**

Approved by National Council for Teacher Education (NCTE)
(Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)
- Mahatma Junior College of Education (D.T.Ed)- *Chembur* (English & Marathi Media)
- Pillai College of Education & Research (B.Ed.), Chembur Re-Accredited 'A' Grade by NAAC
- Pillai College of Education & Research (B.Ed.), Accredited 'A' Grade by NAAC *Khanda Colony, New Panvel*
- Pillai HOC College of Education & Research (B. Ed), *Rasayani*
- Vidyadhiraja College of Physical Education & Research (B.P.Ed), *Khanda Colony, New Panvel*
- Pillai College of Education & Research (M.Ed.), Chembur
- Pillai College of Education & Research (M.Ed.), Accredited 'A' Grade by NAAC *Khanda Colony, New Panvel*
- Pillai College of Education & Research (Ph.D Centre), *Khanda Colony, New Panvel*

**INTERNATIONAL SCHOOLS** & **INTERNATIONAL JUNIOR COLLEGES**

(CIPP / IGCSE/ICSE/IB SCHOOLS)    'AS' / 'A' level and 'IB' Programme

- Dr. Pillai Global Academy
  - Gorai
  - New Panvel

### POLYTECHNIC
**(3-Year Diploma Programme)**

AICTE Approved, Recognized by Govt. of Maharashtra & Affiliated to MSBTE
- **Pillai HOC Polytechnic - *Rasayani***

*Diploma in Computer Engineering*
*Diploma in Electronics & Tele- communication Engineering*
*Diploma in Mechanical Engineering*
*Diploma in Civil Engineering*

### DEGREE COLLEGES

**Bachelor and Master**

(Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)
- Mahatma Night Degree College of Arts & Commerce- Chembur
- Pillai College of Arts, Commerce & Science - New Panvel
Accredited 'A' Grade by NAAC (3ʳᵈ Cycle)
B.Com.
B.Com. (Accounting & Finance)
B.Com. (Financial Markets)
B.M.S.
B.M.M.
B. Sc. (I. T.)
B. Sc.(Computer Science)
B.Sc.(Biotechnology)
M.Sc.(I.T.)
M.Sc.(Biotechnology)
M.Com.(Business Management)
M.Com. (Accounting & Finance)
- Pillai HOC College of Arts, Science & Commerce - *Rasayani*
NAAC Accredited
B.Com.
B.M.S.
B.Sc.(I.T.)
B.Sc.(Computer Science)
B. Com. (Accounting & Finance)
B.M.M.
B.Sc. (Maths, Chemistry, Biology & Physics)
B.A. (English Ancillary, History & Economics)

### ARCHITECTURE

**Bachelor and Master**

(Approved by the Council of Architecture and AICTE)
(Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)
- Pillai College of Architecture - New Panvel
- Pillai HOC College of Architecture- Rasayani (B.Arch.5-year degree course)
*M.ARCH. (Urban Design)*
- Pillai College of Architecture - New Panvel
- *Ph.D.*

### MANAGEMENT COURSE

**MMS**

(Approved by AICTE)
(Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)
NBA Accredited
'A' Grade by DTE,
Govt. of Maharashtra
Pillai Institute Of Management Studies & Research - *New Panvel*
- (MMS: 2-year Post-Graduate Course)
**Executive MBA**
- Pillai HOC Institute Of Management Studies & Research - *Rasayani* (MMS: 2-year Post-Graduate Course)

### ENGINEERING COURSE

**Bachelor, Master & PhD**

(Approved by AICTE)
(Affiliated to the University of Mumbai & Recognised by Govt. of Maharashtra.)
NBA Accredited
- Pillai College of Engineering- New Panvel
Accredited 'A+' by NAAC
  B. E. in Information Technology
  B. E. in Computer Engineering
  B. E. in Electronics Engineering
  B. E. in Mechanical Engineering
  B. E. in Electronics & Tele- communication Engineering
  B. E. in Automobile Engineering
  M. E. in Information Technology
  M. E. in Computer Engineering
  M. E. in Electronics Engineering
  M. E. in Mechanical Engineering (CAD/CAM, Robotics)
  M. E. in Mechanical Engineering (Thermal)

**PhD (Technology)**
*Computer Engineering*
*Mechanical Engineering*
*Information Technology*
- Pillai HOC College of Engineering & Technology, *Rasayani*
  Accredited 'A' Grade by NAAC
  B.E. in Mechanical Engineering
  B.E. in Electronics & Telecommunication Engineering
  B.E. in Automobile Engineering
  B.E. in Information Technology
  B.E. in Computer Engineering
  B.E. in Civil Engineering
  B.E. in Electrical Engineering
  M.E. in Mechanical Engineering (Machine Design)
  M.E. in Electronics & Telecommunication Engineering
  M.E. in Computer Engineering
  M.E. in Civil Engineering (Construction & Management)

**PhD (Technology)**
*Civil Engineering*
*Computer Engineering*

### EXECUTIVE SPORTS MANAGEMENT

- **PILLAI / FIFA / CIES**
  EXECUTIVE PROGRAMME IN SPORTS MANAGEMENT

**Read**
**EduNation**
THE DREAM OF AN INDIA EMPOWERED
**Dr. K. M. Vasudevan Pillai**
Founder:Mahatma Education Society
at www.drvasudevanpillai.com

## PILLAI GROUP OF INSTITUTIONS
**48 Institutions ● Over 2000 Teachers ● Over 30,000 Students**