

About Institution and Department	3
Program's Offered	8
MOU'S	9
Value Added Centers	14
Faculty Profile	16
Student Strength	17
Patent Details	18
Faculty Development Details	19
Quality Circle Forum of India	21
Department Academic Advisory Committee	23
Value Added Courses	25
SAE Activities	30
Faculty Awards	33
Faculty Publications	34
Innovative Projects	35
Techkathon 2019	36
Corporate Connect-2019	38
Student Event Participation	39
Internship & In plant Training	42
Workshops / Seminars	44
Placement Details 2019	47

VLCI Program	49
Placement and Training	53
Graduation Ceremony 2019	54
Industrial Visits	60
NPTEL Course	62
Social Activities	64
Department Activities	65
Laboratories	67
Sport Activities	70

## INSTITUTION AT A GLANCE:

Our institution was established in the year 1996 under the dynamic leadership of Shri. Er.P.Perumal, Founder Chairman and bannered by “Er.Perumal Manimekalai Telugu Minority Educational and Charitable Trust”, the institution is a sunrise hub for providing quality education in the region.

## PMC TECH ENGINEERING COLLEGE AT A GLANCE:

Er.Perumal Manimekalai College of Engineering (Established in 2002), Approved by AICTE and Affiliated to Anna University, offers the students an advantageous atmosphere with state-of- the-art facilities, distinguished mentors and pleasant educational environment. It provides quality education in an environment of discipline.

## ABOUT THE DEPARTMENT:

Embarked on the inception of PMC TECH Engineering College, the department of Mechanical Engineering has made a steady growth in almost all aspects. Since its inception in 2002, the Mechanical Engineering Department with its energetic and dynamic faculty has provided complete Engineering-converting young individuals into Engineers, with both classroom and shop floor knowledge. Knowledge of software packages like CAD, Pro-E, Ideas, Ansys, Catia, Creo are provided to the students. The department also gives exposure to the students in design and manufacturing skills in its fully-equipped CAD/CAM laboratory. To acquaint them with current technological advancements, in plant training, Industrial visits, Workshops, Guest Lectures and technical seminars are organized frequently. On the strength factor, the intake started with 60 seats in 2002, gradually increased and become 120 from 2006 onwards.

The department of Mechanical Engineering offers a regular four year programme of B.E., Mechanical Engineering and two year programme of M.E., Engineering Design. The department has well equipped laboratories such as Thermal laboratory, Fluid Mechanics laboratory, Strength of Materials Laboratory, Manufacturing Technology laboratory, CAD/CAM Laboratory, Dynamics Laboratory, Metrology and measurements Laboratory. Large numbers of leading organizations visit the campus and as a result of visit, students have already placed in the reputed organizations.

## VISION OF THE DEPARTMENT:

To be recognized globally as an institution imparting quality education and research mind-set in the field of mechanical engineering producing successful engineers and entrepreneurs in their chosen domains exhibiting integrity, innovation, cost effectiveness, societal consciousness and well being.

## MISSION OF THE DEPARTMENT:

To provide wholesome education through our indigenous teaching-learning pedagogy comprising of solid foundation in mechanical engineering principles and concepts, technical and managerial reasoning and sufficient practical exposure

To prepare students with communication and problem solving abilities for lifelong learning and growth in their professional careers to be successful

To develop and maintain world-class research acumen in various thrust areas of mechanical and industrial engineering fields that complements the vision meeting the evolving needs of industry and society.



## CHAIRMAN'S MESSAGE:



**“Education is the passport to the future, for tomorrow belongs to those who prepare for it today”**

Welcome to PMC TECH, where academics and activities never ends and the students are moulded like diamonds as future technocrats and business leaders. The institute works on the vision to become one of the leading centers of teaching, research and extensions in the field of Engineering and Technology. Engineer them to engage in research activities leading to innovative applications of Technology for the benefit of mankind. Enable them to become responsible citizens of the country with a willingness to serve the society.

## SECRETARY'S MESSAGE:



**“Lasting novels don't come from literature departments. Successful businesses don't come from business schools. Scientific revolutions don't come from research universities. Get your education, then get moving. Find the loners tinkering at the edge”**

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



“Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family”

We have a perfect blend of academics and dynamic environment to motivate everyone – the management, faculty and students to deliver their best. We have a very competent and dedicated core faculty team. In addition to their excellent teaching, the faculty members are actively involved in molding the minds of the young engineers. We strive to give professional education a new perspective and achieve perfection in all spheres. We wish to assure all concerned that no efforts will be spared to bring PMC TECH as one of the top technical education Institutions.



“A generation of auto-didacts, educated by the Internet and leveraged by technology, will eventually starve the industrial-education system”

PMC TECH is committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to face confidently and competently the challenges and competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state – of – art practices. We give top priority to discipline and knowledge and the application of the same for societal progress and upliftment. Dear Students, your future begins here. We look forward to helping you succeed!

## PRINCIPAL'S MESSAGE:



“A leader is best when people barely know he exists, when his work is done, his aim fulfilled, they will say: we did it ourselves”

Apart from delivering excellent academic content and development of skills through practical experiences, the students are encouraged to develop through bridge courses by interacting with resource persons. Instead of interacting materialism through only class room education, PMC TECH motivates students to take part in workshops, seminars, industrial visits, interactive sessions, indoor and outdoor games, host of other programme and activities to inculcate in them sound moral values, strong personality and enthusiasm. Implementing modern learning approaches where engage students and prepare them to succeed in a globally connected world.

## HOD'S MESSAGE:

“No one has yet realized the wealth of sympathy, the kindness and generosity hidden in the soul of a child. The effort of every true education should be to unlock that treasure”

Placement of young energetic budding engineers is of prime importance to all of us. A systematic development in soft skills and overall confidence building through weekly programs is unique of our institute. Ultimately, our student will be a holistic person .Thanks to the educationally committed management; we have the reputation that we provide all the facilities and amenities. May be because of all these, I proudly say that 91 of our students got placed in the reputed companies in this year 2018-2019. I am thankful to all my colleagues who are striving hard to establish Mechanical Department as one of the leading Department in PMCTech.

## PROGRAMMES OFFERED:

### UG PROGRAMMES B.E. / B.TECH:

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

### PG PROGRAMMES M.E/MBA /MCA:

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

### RESEARCH PROGRAMME:

- Ph.D. –Computer Science and Engineering
- Ph.D. – Management Studies



## MEMORANDUM OF UNDERSTANDING (MoU's):

PMC TECH entered into MoU's with certain prominent Industries, Associations, Service sectors etc., for sharing knowledge, promoting interaction, conceptualize research and facilitate implementation on mutually beneficial areas of upcoming engineering, technological and management concepts. Below is the list of our mutually beneficial MOU's.



Confederation of Indian Industry



राष्ट्रीय डिज़ाइन संस्थान  
NATIONAL INSTITUTE OF DESIGN



## PROFESSIONAL BODIES:

Intended to enhance the quality of education, make academic offerings in par with the Industry needs, structure the programs incorporating professional requirements and thereby develop better collaboration till attaining mutualism with Industries, PMCTECH build lasting partnerships with certain Professional Bodies also. Below is the list of few of our Professional bodies.



SAEINDIA is committed to advancing the engineering profession through its many student programs and activities in coordination with SAE International. Our Institute organized different activities under this chapter are:

**ADVANCED AUTOMOBILE TECHNOLOGY** – Technical Seminar held on 21<sup>st</sup> February 2016. The Resource Person Mr. K.V. Natarajan, DGM, LCV Manufacturing Plant – II, Ashok Leyland delivered an



inspirational speech and enlightened the students about importance and the developments taking place in the automobile technology.

**RECENT TRENDS IN PRODUCTIVITY** – Technical Seminar held on 5<sup>th</sup> March 2017. The resource person Mr. C. Naveen kumar, Lead Engineer, Bangalore delivered an inspirational speech and makes the students aware of importance and developments in productivity.



## ROLE OF ELECTRONICS AND SOFTWARE IN AUTOMOTIVE ADVANCEMENTS –

Technical seminar held on 17<sup>th</sup> August 2019. The resource person Mr. Kasiraja Thangapandian, Engineering Manager in Visteon technical and service centre Pvt ltd, Chennai who gave the students' knowledge about the role of electronics and software in automotive advancements and various other related topics.



## ISHRAE CHAPTER:

ISHRAE mission is to promote the society for the benefits of the general public. Towards this objective the chapter was started in college on 21<sup>st</sup> sept 2019 for the students to participate and organize, activities to protect the environment, improve indoor air quality, help Energy conservation, provide continuing education to the members and provide career guidance to students at the institution.



## ISTE STAFF CHAPTER:

Taking our Faculty community to newer heights by exposing them to world class professional bodies like ISTE has always been a zest of our institution. With this sole intention, an exclusive ISTE Chapter opened in our Institution with an active participation of Faculties from all the areas.

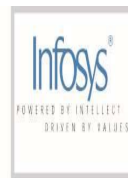


## INDUSTRY /ACADEMIC INSTITUTIONS COLLABORATIONS:

As technology connects the world and provides unprecedented access to knowledge, progressive institutions are seeking strategies to leverage the vast potential of learning to make higher education more accessible and affordable. PMCTEH build lasting partnerships with many of our nation's best learning centers as a commitment to excellence in higher education. Below is the list of few of our academic partners:



CISCO Academy



Infosys Campus Connect



Oracle



Wipro Technologies - Mission10x Technology Learning Centre



NPTEL - Digital Resources



IIT - Bombay & IIT - Kharagpur

VALUE ADDED CENTRES:

 <p>Government of India Department of Science &amp; Technology Ministry of Science &amp; Technology</p>	Innovation & Entrepreneurship Development Centre -(IEDC)
 <p>Infosys Campus Connect – Learning Centre</p>	Infosys Campus Connect – Learning Centre
 <p>AAKASH tablet for every indian NME-ICT (MHRD), AAKASH PROJECT, IIT BOMBAY</p>	Aakash Project Centre – IIT – Bombay
 <p>Ministry of Micro, Small and Medium Enterprises, Government of India</p> <p><b>MSME</b> MICRO, SMALL &amp; MEDIUM ENTERPRISES सूक्ष्म, लघु एवं मध्यम उद्यम</p>	Micro, Small & Medium Enterprises

Innovation & Entrepreneurship Development Centre (IEDC), set up in 2014, is sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology with a view to promoting self - employment in the country & linking S&T manpower with institutional credit facilities. One of the major objectives of the board is to promote & develop entrepreneurship through the use of Science & Technology to cater the needs of the country in Entrepreneurship. With the same objectives IEDC, PMC TECH is striving to create more Entrepreneurs to realize the Our Prime Ministers dream “Make in India”.

This value added chapter adds an additional value of our department students and helps the students by funding their innovation ideas in order of projects and make

Themes Entrepreneurs. In addition to this, it helps the students to complete and develop more projects by funding their project ideas and innovative thoughts.

**The rationale IEDC of PMC TECH is to:**

Provide training to potential learners to become job creators rather than job seekers

Provide a cost effective mode of training in entrepreneurship to those living in remote areas and thus deprived of participating in conventional EDPs

Provide the facility of learning in one's own environment, at own pace and convenience;

Make sizeable contribution quantitatively and qualitatively to the task of strengthening entrepreneurship in the country.

**FACULTY PROFILE:**

<b>S. No.</b>	<b>NAME OF THE FACULTY</b>	<b>QUALIFICATION</b>	<b>DESIGNATION</b>
1.	Dr. P. RAJASEKARAN	M.E., Ph.D.	ASSOCIATE PROFESSOR
2.	Dr.S.GANESH KUMAR	M.E., Ph.D.	ASSISTANT PROFESSOR
3.	Mr. R. BALAJI	M.Tech.	ASSISTANT PROFESSOR
4.	Mr. P. MUNUSAMY	M.E.,	ASSISTANT PROFESSOR
5.	Mr. M. MUNIRAJ	M.E.,	ASSISTANT PROFESSOR
6.	Mr. K. UDHAYA KUMAR	M.E.,	ASSISTANT PROFESSOR
7.	Mr. C. VELMURUGAN	M.E.,	ASSISTANT PROFESSOR
8.	Mr. S. THIMMARAYAN	M.E.,	ASSISTANT PROFESSOR
9.	Mr. R. VENKATESHWARAN	M.Tech,	ASSISTANT PROFESSOR
10.	Mr. K. RANJITH KUMAR	M.E.,	ASSISTANT PROFESSOR
11.	Mr. C.KANNAN	M.E.,	ASSISTANT PROFESSOR
12.	Mr. G.A.ASHOK KUMAR	M.E.,	ASSISTANT PROFESSOR
13.	Mr. A.SAKTHI VEL	M.E.,	ASSISTANT PROFESSOR
14.	Mr. V.PANDIYA RAJAN	M.E.,	ASSISTANT PROFESSOR

**NON TEACHING FACULTY PROFILE:**

<b>S. No.</b>	<b>NAME OF THE FACULTY</b>	<b>QUALIFICATION</b>	<b>DESIGNATION</b>
1.	Mr. P.RAMU	M.Sc., B.Ed., MSLIC	LAB ASSISTANT
2.	Mr. V.G.VELMURUGAN	B.Tech.,	LAB ASSISTANT

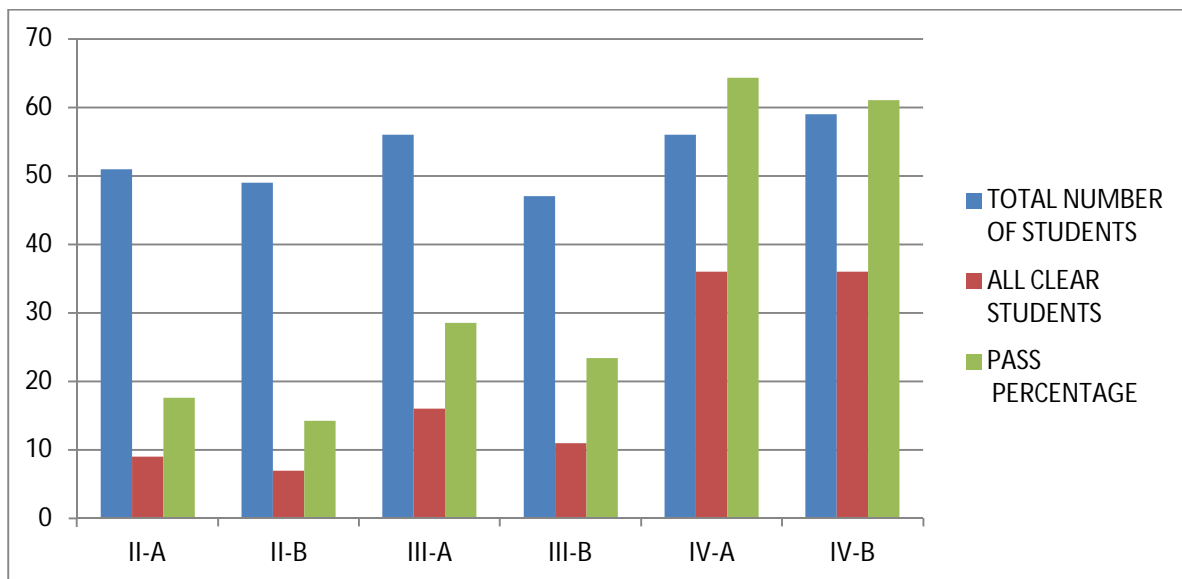


## STUDENT STRENGTH:

B.E, Mechanical Engineering			M.E - Engineering Design	
II Year	III Year	Final Year	I Year	II Year
64	97	104	5	10

## UNIVERSITY EXAMINATION RESULT FOR 2018- 19EVEN SEMESTER

S.NO	YEAR	TOTAL NUMBER OF STUDENTS	ALL CLEAR STUDENTS	PASS PERCENTAGE
1	II-A	51	9	17.6
2	II-B	49	7	14.3
3	III-A	56	16	28.6
4	III-B	47	11	23.4
5	IV-A	56	36	64.3
6	IV-B	59	36	61.0



**DETAILS OF FACULTY COMPLETED Ph.D. & PURSUING Ph.D.**

<b>S.NO</b>	<b>NAME OF THE FACULTY</b>	<b>Ph.D. STATUS</b>
1.	Dr. P. RAJASEKARAN	COMPLETED
2.	Dr. S. GANESH KUMAR	COMPLETED
3.	Mr. S. SENTHIL KUMAR	PURSUING

**PATENT DETILS**

<b>NAME OF THE FACULTY</b>	<b>TITLE OF THE INVENTION</b>	<b>DATE OF FILING OF APPLICATION</b>	<b>PUBLICATION DATE</b>
Dr. P. RAJASEKARAN	TOOTHPASTE DISPENSING TOOTHBRUSH Patent No. 201641015626	05.05.2016	20.05.2016
Mr. M. MUNIRAJ	SOAP DISPENSER WITH A BODY SCRUB Patent No. 201641024529 A	18.07.2016	12.08.2016
Mr. R. BALAJI	A NAVIGATION AND INFORMATION ASSISTIVE SPECTACLE Patent No. 201741024458 A	11.07.2017	14.07.2017
Mr. C. VELMURUGAN	SMART COMPACT STRUCTURAL INSTRUMENT Patent No. 201741036984 A	18.10.2017	27.10.2017

**FACULTY DEVELOPMENT PROGRAMME:**

<b>S. NO</b>	<b>NAME OF THE FACULTY</b>	<b>NAME OF THE ORGANIZER</b>	<b>NAME OF THE INSTITUTION</b>	<b>TOPIC</b>	<b>NO.OF DAYS</b>
1.	Dr. P. RAJASEKARAN	ANNA UNIVERSITY, CHENNAI	SNS COLLEGE OF TECHNOLOGY	ENGINEERING MECHANICS	3 Days
2.	Dr. P. RAJASEKARAN	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION	PANIMALAR ENGINEERING COLLEGE	STUDENT INDUCTION PROGRAMME	3 Days
3.	Dr. P. RAJASEKARAN	ANNA UNIVERSITY, CHENNAI	ANNA UNIVERSITY, CHENNAI	WORKSHOP FOR “NBA INITIATIVES”	1 Day
4.	Dr. P. RAJASEKARAN	ENERGY ALTERNATIVES INDIA	-	NON-RENEWABLE ENERGY SOURCES	5 Days
5.	Dr. P. RAJASEKARAN Mr. S. SENTHIL KUMAR Mr. K. UDHAYA KUMAR	HARITA SEATINGS SYSTEM PRIVATE LIMITED	HARITA SEATINGS SYSTEM PRIVATE LIMITED	VISIONARY LEARNING COMMUNITY OF INDIA	3 Days
6.	Dr. P. RAJASEKARAN Mr. K. UDHAYA KUMAR	TVS MOTORS LIMITED	TVS MOTORS LIMITED	QUALITY CIRCLE FORUM OF INDIA	1 Day
7.	Mr. K. UDHAYA KUMAR	STRATASYS	STRATASYS	3D PRINTING	1 Day
8.	Mr. K. UDHAYA KUMAR Mr. M. MUNIRAJ	COL'S CALIBRE	Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING	COMMUNICATIVE ENGLISH	15 days

<b>S. NO</b>	<b>NAME OF THE FACULTY</b>	<b>NAME OF THE ORGANIZER</b>	<b>NAME OF THE INSTITUTION</b>	<b>TOPIC</b>	<b>NO. OF DAYS</b>
9.	Mr. C. VELMURUGAN	AICTE	BANNARIYAMM AN INSTITUTE OF TECHNOLOGY	MECHANICS OF MATERIALS	7 Days
10.	Dr. P. RAJASEKARAN	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days
11.	Mr. R. BALAJI	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days
12.	Mr. P. MUNUSAMY Mr. M. MUNIRAJ	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days
13.	Mr. K. UDHAYA KUMAR	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days
14.	Mr. S. THIMMARAYAN	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days
15.	Mr. R. VENKATESHWARAN	ICT ACADEMY	Er. PERUMAL MANIMEKALAI COLLGE OF ENGINEERING	AUTODESK FUSION 360	2 Days

QCFI is recognized as the institution representing The Quality Circle Movement in India and has represented the country in several international forums. The organization has successfully implemented Quality concepts under the TQM umbrella across several industry verticals that have experienced a phenomenal enhancement of their work processes and productivity after implementation of Quality Concept Tools.

QCFI represents India in the **14 nation International Committee** that has been set up for organizing International conventions on Quality Concept Circle, annually. To date, QCFI has organized three International conventions in India. In addition, chapter convention and National convention are held every year where members present case studies and technical papers are discussed by leading Quality Concept Practitioners.

Chapter Convention on Quality Concepts 2018 - 7<sup>th</sup> October, 2018 - TVS Institute of Quality and Leadership, Anekal.



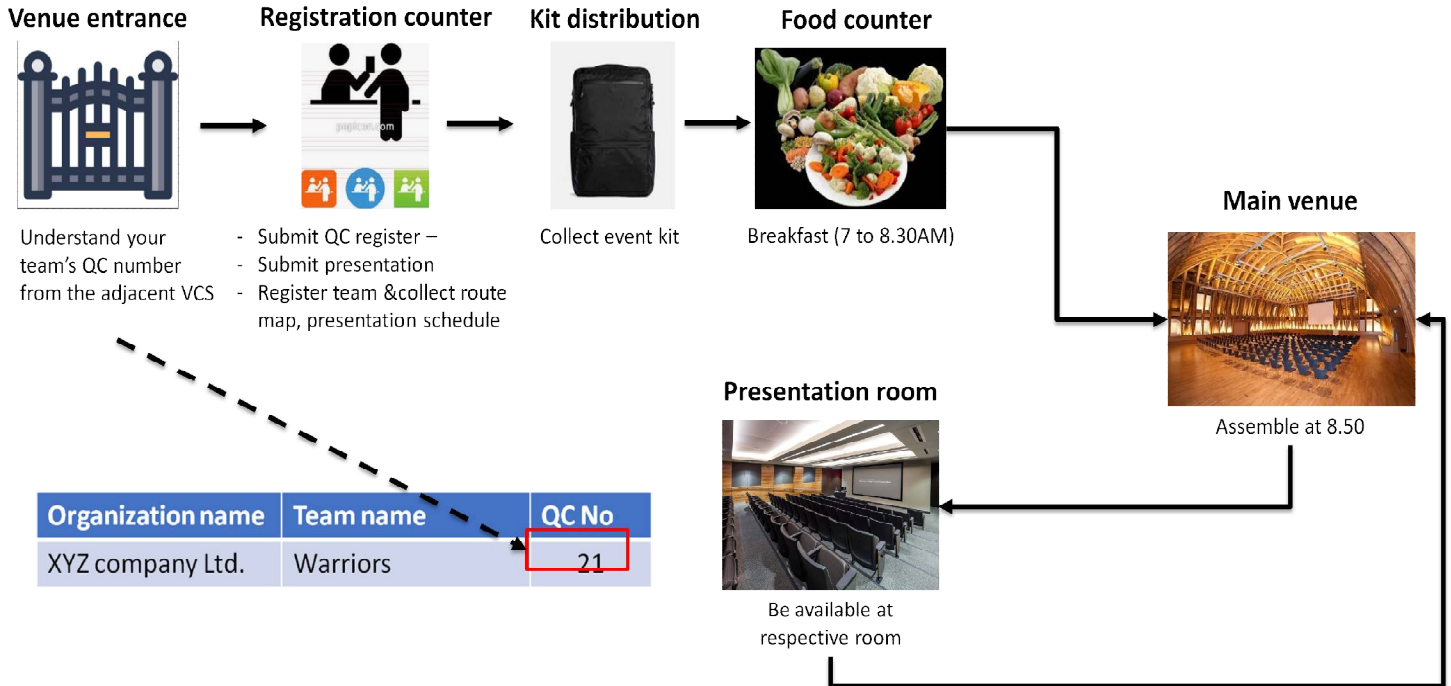
Quality Circle Forum of India (QCFI) is a non-profit, non-government organization promoting and encouraging Continual Improvement in the industrial and other sectors of economy through Employee involvement at the grass root level, as Quality Circles.

QCFI has 27 Chapters including 3 Sub Chapters across the country.

The Hosur Chapter of QCFI was established in the industrial town of Hosur in April, 2015 - primarily to cater to the quality enhancement needs of Micro, Small and Medium Enterprises (MSMEs) located in and around Hosur. It is managed by a Governing council with 13 members drawn from Industries and Service Sectors.

Our Third Chapter Convention on Quality Concepts (CCQC) will provide an opportunity for the Quality Circle, Kaizen other improvement Teams to showcase their improvement projects. The best Project presentations will be awarded and will become eligible for participating at the National and International conventions. We expect around 120 Teams and 700+ persons to participate in this convention.

### QCFI – Hosur chapter 3<sup>rd</sup> chapter - Event flow



**DACC MEETING:**

The Department of **Mechanical Engineering** conducted Department Advisory Committee Meeting 6.7.19 (Saturday) at Mechanical Engineering department in our Institution. **Dr.P.Rajasekar, HoD /MECH** welcomed all the members of Mechanical and Mechatronics Engineering for Department Advisory Committee of 2019-20 and presented PPT for the department academic plan of odd semester 2019-20.

**Members of DAAC Department Wise / Institution nominee / Invited / Interested Committee Members**

<b>S.No</b>	<b>Portfolio</b>	<b>Name and Address</b>
<b>1</b>	President (Academic)	<b>Dr.P.Rajasekaran M.E., Ph.D</b> Head of the Department Department of Mechanical Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Mechanical Engineering</b>
<b>2</b>	Secretary (Academic)	<b>Prof.M.Sahithullah M.E., (Ph.D),,</b> Head of the Department Department of Mechatronics Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Electrical Engineering</b>
<b>3</b>	Member (Academic )	<b>Dr. Sankar M.E., Ph.D (IIT-M)</b> <b>PROFESSOR</b> Department of Mechatronics Engineering Kongu Engineering College Perundurai Specialization : <b>Mechanical Engineering</b>
<b>4</b>	Member (industry)	<b>Mr.H.S Manjunath</b> HEAD FA Sales SZ2-SZ4-SZ6FANAUC India Private Limited Bangalore Specialization : <b>Mechanical Engineering</b>
<b>5</b>	Member (Academic )	<b>Dr.R.Sathish Kumar M.E., Ph.D</b> <b>Associate Professor</b> Department of Automobile Engineering Hindustan university Specialization : <b>Mechanical Engineering</b>
<b>6</b>	Member (Academic )	<b>Dr.DINAKAR.,M.E., Ph.D</b> <b>Associate Professor</b> Department of Mechanical Engineering Chennai institute of technology Chennai
<b>7</b>	Member (industry)	<b>Mr.Khadirvel</b> Senior Manager Operations /Hosur /HSSL, Haritha Seatings Hosur Specialization : <b>Mechanical Engineering</b>
<b>8</b>	Institution Nominee	<b>Mr.R.Balaji</b> <b>Assistant Professor</b> Department of Mechanical Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Mechanical Engineering</b>

<b>S.No</b>	<b>Portfolio</b>	<b>Name and Address</b>
<b>9</b>	Institution Nominee	<b>Mr.K.Udayakumar</b> <b>Assistant Professor</b> Department of Mechanical Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Mechanical Engineering</b>
<b>10</b>	Institution Nominee	<b>Mr.k.Ashokkumar</b> <b>Assistant Professor</b> Department of Mechanical Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Mechanical Engineering</b>
<b>11</b>	Institution Nominee	<b>Mr.Selvakumar</b> <b>Assistant Professor</b> Department of Mechatronics Engineering Er.Perumal Manimekali College of Engineering Specialization : <b>Electrical Engineering</b>

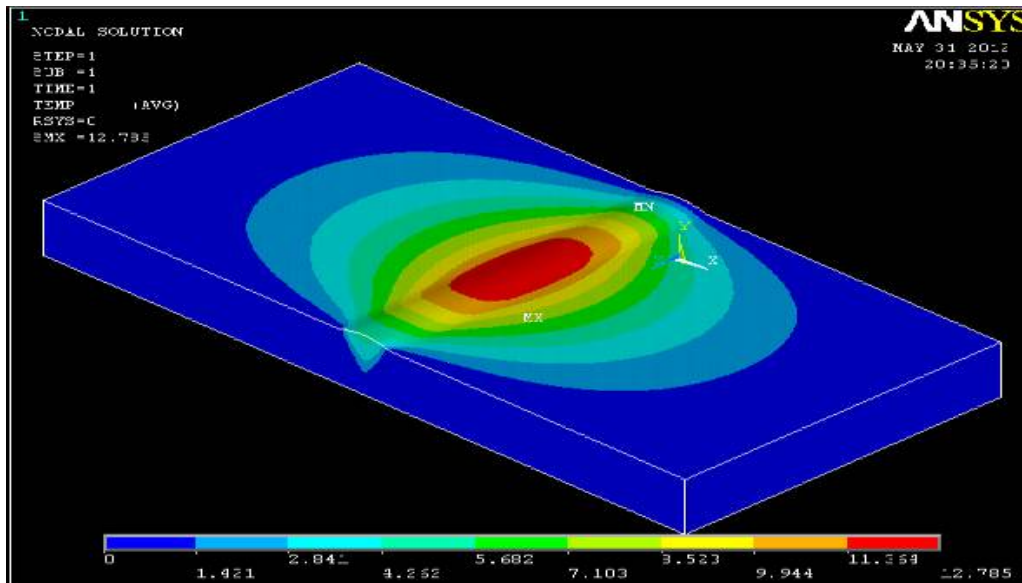
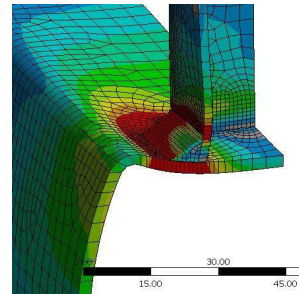


**VALUE ADDED COURSES:**

<b>S. NO</b>	<b>DATE</b>	<b>YEAR</b>	<b>PROGRAM</b>	<b>RESOURCE PERSON(S)</b>
1.	21-06-2019	IV MECH	TRINI-PI	Dr. NANDHA KUMAR
2.	21-06-2019	II MECH	TRINI-PI	Dr. NANDHA KUMAR
3.	24-06-2019 25-06-2019	IVMECH	3D PRINTING WORKSHOP	Mr. S. SENTHIL KUMAR Mr. DHANA SEKAR
4.	29-06-2019	III MECH	ISHRAE(HOUSE SUB CHAPTER)	Dr. GOPINATH
5.	04-07-2019	II MECH	AGAPORI	Mr. GANESAN
6.	05-07-2019	III MECH	AGAPORI	Mr. C. DANIEL
7.	08-07-2019	IV MECH	AGAPORI	Dr. SIVAKUMAR
8.	08-08-2019	IV MECH	AGAPORI	Mrs. PRAVEEN SULTHANA
9.	27-02-2018 28-02-2018	II Mech	3D PRINTING	Mr. S. SENTHIL KUMAR Mr. DHANA SEKAR
10.	01-03-2018 02-03-2018	III Mech	3D PRINTING	Mr. S. SENTHIL KUMAR Mr. DHANA SEKAR
11.	06-03-2018 07-03-2018	IV Mech	3D PRINTING	Mr. S. SENTHIL KUMAR Mr. DHANA SEKAR

<b>S. NO</b>	<b>DATE</b>	<b>YEAR</b>	<b>PROGRAM</b>	<b>RESOURCE PERSON(S)</b>
12.	22.09.2018	IV Mech	COLLEGE TO CORPORATE – SOFT SKILLS	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
13.	21-08-2018	II Mech	VISIONARY LEARNING COMMUNITY OF INDIA	Mr. M. KADHIRVEL MANAGER - OPERATIONS HEAD HARITA SEATINGS SYSTEM PRIVATE LIMITED
14.	23-08-2018	III Mech	VISIONARY LEARNING COMMUNITY OF INDIA	Dr. P. RAJASEKARAN Mr. S. SENTHIL KUMAR Mr. K. UDHAYA KUMAR
15.	24-08-2018	IV Mech	VISIONARY LEARNING COMMUNITY OF INDIA	Dr. P. RAJASEKARAN Mr. S. SENTHIL KUMAR Mr. K. UDHAYA KUMAR

The department has conducted the workshop which was scheduled on 05.08.2019 to 06.08.2019, some of the topics that were taught were on **static structural analysis of welded shaft** in ANSYS Workbench for the students. **Mr. K.Narayana Moorthy** from CADD CENTRE Hosur with his team was involved in this process of throwing light on the students to brighten the knowledge on the particular field.



## GUEST LECTURES:

PMC Tech gives utmost importance to practical exposure and interaction to its budding managers & engineers. For this, eminent speakers from the top industry are invited to impart best educational light and enlighten our students with their ideas and experiences they share with us.

The fascinating lectures on various topics boost the confidence of new aspirants as the lectures ends with motivating question and answer sessions. Distinguished guest lecturers speak on various important topics that would prove beneficial for them while choosing the right career paths.



## BOOK FEST:

From the moment we start school, our educators begin teaching us the fundamentals of reading. We learn our alphabet and the unique sounds that each letter makes. Soon, we can read words and full sentences.

The more we read, the more we understand the world around us. And when we read books, the more we discover life beyond what we already know. Here are more reasons that highlight the importance of reading books. Reading is not only fun, but it has all the added benefits. Until you become yourself, what benefit can you be to others?

As a part of this, joining hands with resource people from HOUSR BOOK FAIR organization, the college conducted book reading fest on 10<sup>th</sup> July 2019 for all the students those who are in the institution.



<b>S. NO</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>DEPARTMENT</b>	<b>DATE</b>
1.	ROLE OF ELECTRONICS AND SOFTWARE IN AUTOMOTIVE ADVANCEMENTS	<b>Mr. KASIRAJA THANGAPANDIAN,</b> ENGINEERING MANAGER, VISTEON TECHNICAL AND SERVICE CENTRE PVT LTD, CHENNAI.	II, III Mech	17.08.2019
2.	INTRODUCTION TO “MICRO ELECTRO MECHANICAL SYSTEMS”	<b>Dr. T. RAMESH,</b> ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015	III Mech	21.07.2017
3.	<ul style="list-style-type: none"> <li>• 3D PRINTING TECHNIQUE.</li> <li>• TOPOLOGICAL OPTIMIZATION IN DESIGN.</li> </ul>	<b>Dr. T. RAMESH,</b> ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015	III Mech	22.07.2017
4.	LATEST TRENDS IN PRODUCTIVITY AND QUALITY	<b>Mr. C. NAVIN KUMAR</b> LEAD ENGINEER GENERAL MOTORS TECHNICAL CENTRE INDIA PVT LTD., BANGALORE, KARNATAKA	III Mech	05.03.2016

<b>S. NO</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>DEPARTMENT</b>	<b>DATE</b>
5.	ALTERNATIVE FUELS FOR IC ENGINES	<b>Dr. R.SUBRAMANIAN</b> PROFESSOR & HEAD DEPARTMENT OF AUTOMOBILE ENGINEERING IRTT, ERODE	II Mech	29.08.2015
6.	ADVANCE AUTOMOBILE TECHNOLOGY	<b>Mr. K.V. NATARAJAN</b> DEPUTY GENERAL MANAGER LCV MANUFACTURING PLANT-II ASHOK LEYLAND, HOSUR	II Mech	21.02.2015
7.	LATEST TRENDS IN AUTOMOBILE TECHNOLOGY	<b>Mr. C. NAVIN KUMAR</b> LEAD ENGINEER GENERAL MOTORS TECHNICAL CENTRE INDIA PVT LTD., BANGALORE, KARNATAKA	II Mech	13.09.2014
8.	UTILIZATION OF FUTURE FUEL IN AN AUTOMOBILE	<b>DR. A. P. SATHIYAGNAM</b> ASSISTANT PROFESSOR DEPARTMENT OF MECH. ENGG. ANNAMALAI UNIVERSITY, CHIDAMBARAM – 608 002	III Mech	18.03.2014
9.	HEAT TRANSFER ANALYSIS OF LOW H EAT REJECTION DIESEL ENGINE	<b>Dr. D. SENTHILKUMAR,</b> PROFESSOR, DEPARTMENT OF MECH. ENGG. SONA COLLEGE OF TECHNOLOGY, SALEM – 636 005	II Mech	11.01.2014

<b>S. NO</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>DEPARTMENT</b>	<b>DATE</b>
10.	RECENT TRENDS IN AUTOMOBILE ENGINEERING	<b>Prof. S. MOHAMED</b> JALALUDEEN, PROFESSOR AND HEAD, DEPARTMENT OF MECH. ENGG GOVT. COLLEGE OF ENGG., SALEM – 636 011	III Mech	24.08.2013

**GRANT RECEIVED FROM THE FUNDING AGENCIES 2017-2018**

<b>NAME OF THE PROJECT</b>	<b>FUNDING AGENCY</b>
CHOCOLATE MAKING USING 3D PRINTER	DST WOMEN TECHNICAL PARK (WTP)
E-WASTE RECYCLING ( SHREDDER MACHINE)	
NECK PILLOW (CNC HOT WIRE CUTTER)	



**AWARDS FOR FACULTY**

<b>S. NO</b>	<b>NAME OF THE FACULTY</b>	<b>NAME OF THE EVENT</b>	<b>NAME OF THE ORGANIZER</b>	<b>AWARD</b>
1.	Dr. P. RAJASEKARAN Mr. K. UDHAYA KUMAR	QUALITY CIRCLE FORUM OF INDIA	TVS MOTORS LIMITED	SILVER AWARD (2 <sup>ND</sup> PRIZE)
2.	Mr. R. BALAJI Mr. K. UDHAYA KUMAR Mr. M. MUNIRAJ	QUALITY CIRCLE FORUM OF INDIA	TVS MOTORS LIMITED	SILVER AWARD (2 <sup>ND</sup> PRIZE)

**STUDENT ACCOMPLISHMENT:**

<b>S. NO</b>	<b>NAME OF THE STUDENT</b>	<b>TITLE OF THE PROJECT</b>	<b>NAME OF THE ORGANIZER</b>	<b>NAME OF THE CONTEST</b>	<b>AWARD</b>
1.	D.A. VIJAY ADITYA U. UTTAM BARIK S. TAMILARASAN R. SURYA	POTATO SOWING MACHINE	GOVERNMENT OF TAMIL NADU DEPARTMENT OF EMPLOYMENT & TRAINING	DISTRICT SKILL SUMMIT	1 <sup>ST</sup> PRIZE

## FACULTY PUBLICATIONS

S. NO	NAME OF THE FACULTY	TITLE OF THE PAPER	PUBLICATION NAME
1.	Dr. P. RAJASEKARAN	AN INVESTIGATION OF PERFORMANCE ANALYSIS WITH TOOTH PROFILE MODIFICATION OF SPUR GEAR USING ANSYS	INTERNATIONAL JOURNAL RESEARCH AND INNOVATION IN ENGINEERING TECHNOLOGY
2.	Mr. R BALAJI	EXPERIMENTAL STUDY OF MECHANICAL PROPERTIES AND DRILLING PROPERTIES OF E-GLASS FIBER COMPOSITE MATERIALS	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICATION
		ANALYSIS OF SAND MOULD USING INDUSTRIAL POWDER AND FLY ASH	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICATION
3.	Mr. P. MUNUSAMY	ANALYSIS OF SAND MOULD USING INDUSTRIAL POWDER AND FLY ASH	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICATION
		EXPERIMENTAL STUDY OF MECHANICAL PROPERTIES AND DRILLING PROPERTIES OF E-GLASS FIBER COMPOSITE MATERIALS	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICATION
4.	Mr. S. THIMMARAYAN	MODELING AND ANALYSIS AO MULTIPURPOSE SOWING MACHINE	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICAIION
5.	Mr. K. RANJITH KUMAR	EXPERIMENTAL INVESTIGATION OF COATING ANALYSIS ON PISTON	INTERNATIONAL JOURNAL FOR ENGINEERING RESEARCH AND APPLICAIION

## INNOVATIVE PROJECTS

Student of Mechanical Engineering department did 44 innovative projects in variety of Domains - under the guidance of Faculty members of Department of Mechanical Engineering.

Horticulture Deleafing machine	Ram water pump
Automated floor cleaning machine	Mini lathe
Automated punching machine	Hydraulic jack
Driving system for physically challenged persons	Irregular cutting machine
Pedal operated mobile charger	Floor cleaning machine
Mechanical crusher machine	Tricycle
Sand filtering & separating machine	Automatic hammering machine
Automatic hand washing machine	Seed debugging machine
Weight machine	Multipurpose debugging machine
Agriculture harvesting machine	Gearless transmission
Fabrication of sheet metal forming machine	Carrier awake
Thread mill bicycle	Material transfer by using chain drive mechanism
Embedded wire controlled robot 2.0	Side stand return mechanism
Design and fabrication of pinch cutter	Agricultural pesticide spraying machine
Mini hybrid power plant	Multi operation by using single stroke mechanism
Hybrid bike (prototype)	Fabrication of ultimate stair climbing
Filtration of paddy(ragi)	Fabrication of rotary-reciprocating mechanism
Stair case climbing trolley	Fabrication of perpetual wheel model
Potato sowing machine	Agriculture seed spraying machine
Regenerating braking system	Production of electricity by using frictional power
Hydraulic ram pump	Injection moulding machine
Air compressor vehicle	Bench tapping machine

**TECHKATHON-2019:**

Techkathon 2019 was organized in the institution on sept 2019 to enhance the creative idea of students and bring out the creativity in the given topics. 18 HRs and professionals from various industries came to the institution and examined the projects done by the students.

Student of Mechanical Engineering department did 13 innovative projects in variety of Domains and presented that idea to various HRs.

<b>S. NO</b>	<b>TITLE OF THE PROJECT</b>	<b>NAME OF THE STUDENT</b>	<b>DEPARTMENT</b>
1.	MODERN PESTICIDE SPRAYER	R HARIHARAN J JAGADISH S ARAVIND	3 <sup>rd</sup> YEAR MECHANICAL
2.	WORKPLACE SAFETY	K PRAMOD M NARAYANASWAMY M MANOJ KUMRA	3 <sup>rd</sup> YEAR MECHANICAL
3.	SOLAR POWER CHARGER	V GANESH C IRFAN S BALAJI	3 <sup>rd</sup> YEAR MECHANICAL
4.	RAIN WATER HARVESTING BY BOREWELL REFILL SYSTEM	ANIK BATTACHARYA S HARISH BABU V KARTHICK	3 <sup>rd</sup> YEAR MECHANICAL
5.	AUTOMATED WATER SYSTEM	K KABIL	3 <sup>rd</sup> YEAR MECHANICAL
6.	WOMEN SECURITY FOR LATE HOURS TRAVEL	S M NAVANEETHAN P NAVEEN V VINOOTH	3 <sup>rd</sup> YEAR MECHANICAL
7.	WATER CONSUMPTION USING SENSOR SYSTEM	M PRAVEEN KUMAR S THIRUMALESH N VIJAY	3 <sup>rd</sup> YEAR MECHANICAL
8.	SOLAR POWERED AUTOMATIC RAIN OPERATED WIPER	R SURESH V THIRUKUMAR R RAGHAVENDRA REDDY	3 <sup>rd</sup> YEAR MECHANICAL
9.	DETECTION THROUGH EYEBALL	R SATHISH	4 <sup>th</sup> YEAR MECHANICAL
10.	REFUELLING FANS	R KULALA SUNIL P MOHANSUNDRAM R UTHRA KUMAR	4 <sup>th</sup> YEAR MECHANICAL
11.	SMART NOZZLE	S PUGALENDHI G RAJESH S SATHISH	4 <sup>th</sup> YEAR MECHANICAL

S. NO	TITLE OF THE PROJECT	NAME OF THE STUDENT	DEPARTMENT
12.	SOLAR POWERED WATER HARVESTOR	R SILAMBARASAN M SIVA KUMAR	4 <sup>th</sup> YEAR MECHANICAL
13.	VEHICULAR SOLAR BODY PANEL	T AJEY RAM G JOTHI SHANKAR P KANAKARAJ	4 <sup>th</sup> YEAR MECHANICAL



Corporate connect program is a great initiative taken by Er. Perumal Manimekalai College of Engineering to shape the students. Intellectual minds at PMC Tech are quite cerebral and realized the need of such a program to be started in-house for the benefits of students. The program lists out the development needs of the student to promote self-improvement and development among students. The main objective was to prepare the student for campus interviews and hence the department placement rate.

This academic year this grand event was conducted on 13<sup>th</sup> and 14<sup>th</sup> of sept 2019 on the topic SMART FACTORIES, where various industrial experts from various reputed industries and spoke out the vies and trends in the industries. Not only technically even various motivational speakers spoke out various topics where student can enhance their selves before entering the industry.



**STUDENT EVENT PARTICIPATION****(WORKSHOP, CONFERENCE & TECHNICAL EVENTS) :**

<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>EVENTS</b>	<b>ORGANIZED BY</b>
1.	SILAMBARASAN R	WORKSHOP	KONGUNADU COLLEGE OF ENGINEERING, THOTTIAM
2.	TAMILMANI C	WORKSHOP	KONGUNADU COLLEGE OF ENGINEERING, THOTTIAM
3.	SIVASAKTHI N	WORKSHOP	KONGUNADU COLLEGE OF ENGINEERING, THOTTIAM
4.	VIJAY C	WORKSHOP	KONGUNADU COLLEGE OF ENGINEERING, THOTTIAM
5.	KANAGARAJ P	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
6.	HARI M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
7.	HARIDASS S	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
8.	BALAMURUGAN B	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
9.	ARAFATH SI	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
10.	DINESHKUMAR M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
11.	GOVINDRAJ	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI

<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>EVENTS</b>	<b>ORGANIZED BY</b>
12.	KARTHIK S	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
13.	BALAJI R	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
14.	MURALI K	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
15.	SUNILKUMAR P	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
16.	SURYA M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
17.	SATHISH R	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
18.	SHAMANTHRAJU M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
19.	SAIFULLAH R	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
20.	NITHISH KUMAR G	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
21.	SARATHKUMAR S	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
22.	RAMAMOORTHY S	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
23.	NAGARAJ A	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
24.	MURUGESAN N	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
25.	PUGALEDNDHI S	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
26.	SAMEER AHMED B	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI



<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>EVENTS</b>	<b>ORGANIZED BY</b>
27.	SRINIVASAN M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
28.	SARAVANAN G	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
29.	VENKATESH R	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
30.	SATHISH M	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
31.	MAHESHKUMAR L	WORKSHOP	KARPAGAM COLLEGE OF ENGG, COVAI
32.	UTHRAKUMAR R	WORKSHOP	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI
33.	PRITHIVIRAJ S	WORKSHOP	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI
34.	RAKESH S	WORKSHOP	CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI
35.	SAIFULLAH R	WORKSHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
36.	SANTHOSH S	WORKSHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
37.	SAMEER AHMED B	WORKSHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
38.	SATHISH KUMAR R	WORKSHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
39.	PUGALENDHI S	WORKSHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
40.	SAKTHIVEL R	WORK SHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI
41.	NITHISH KUMAR G	WORK SHOP	HINDUSTAN INSTITUTE OF TECHNOLOGY, COVAI

**INTERNSHIP AND INPLANT TRAINING:**

<b>S. No.</b>	<b>NAME OF THE STUDENT</b>	<b>YEAR</b>	<b>NAME OF THE COMPANY</b>	<b>DURATION</b>	<b>DATE</b>
1.	Y. ADESH	III Mech	ASHOK LEYLAND UNIT-I, HOSUR.	3 Days	4.6.2018 to 6.6.2018
2.	I. ABDUL	III Mech	ASHOK LEYLAND UNIT-I, HOSUR.	3 Days	4.6.2018 to 6.6.2018
3.	B. ARAVIND	III Mech	TITAN INDUSTRIES, HOSUR.	6 Days	12.6.2018 to 19.6.2018
4.	M. GOVINDARAJ	III Mech	RATNA PACKAGING PRIVATE LIMITED, HOSUR	5 Days	23.5.2018 to 30.5.2018
5.	V. DEVESH	IV Mech	RAHUL INDUSTRIES, HOSUR.	2 Days	6.6.2018 to 7.6.2018
6.	R. GUNASEKAR	IV Mech	RAHUL INDUSTRIES, HOSUR.	2 Days	6.6.2018 to 7.6.2018
7.	G. MAHESH	IV Mech	RAHUL INDUSTRIES, HOSUR.	2 Days	6.6.2018 to 7.6.2018
8.	R. KALIYAPPAN	IV Mech	RAHUL INDUSTRIES, HOSUR.	2 Days	6.6.2018 to 7.6.2018
9.	S. KARTHICK	IV Mech	RADHA KRISHNA ASSOCIATE, BENGALURU.	15 days	5.6.2018 to 19.6.2018
10.	R. JAWAHAR SURYA	IV Mech	PG INDUSTRIES PRIVATE LIMITED, HOSUR.	7 Days	12.6.2018 to 21.6.2018
11.	P. MOHANA SUNDARAM	III Mech	BSNL, DHARMAPURI.	7 Days	21.5.2018 to 22.5.2018
12.	U. UTTAM BARIK	IV Mech	AMS STEEL CASTING PRIVATE LIMITED, HOSUR.	3 Days	6.6.2018 to 8.6.2018

<b>S. No.</b>	<b>NAME OF THE STUDENT</b>	<b>YEAR</b>	<b>NAME OF THE COMPANY</b>	<b>DURATION</b>	<b>DATE</b>
13.	D.A. VIJAY ADITYA	IV Mech	AMS STEEL CASTING PRIVATE LIMITED, HOSUR.	3 Days	6.6.2018 to 8.6.2018
14.	S. SRIKANTH	IV Mech	TITAN INDUSTRIES (WATCH DIVISION), HOSUR.	5 Days	20.6.2018 to 24.6.2018
15.	S. SANTHOSH R. SATHISH KUMAR	III Mech	ASHOK LEYLAND, PLANT-II	6 Days	31.12.2018 to 05.01.2019
16.	C. MUNIKRISHNAN J. SANTHOSH	III Mech	LEO AUTOMOBILES	3 Days	14.12.2018 to 17.12.2018
17.	S. HARISH BABU P. KISHORE	II Mech	TITAN AUTOMATION LTD	5 Days	01.12.2018 to 05.12.2018

**WORKSHOP / SEMINARS ORGANIZED:**

<b>SL. NO</b>	<b>DATE</b>	<b>NAME OF THE TOPIC</b>	<b>NAME OF THE RESOURCE PERSON</b>	<b>YEAR/SEM</b>
1.	29/07/2017 30/07/2017	HANDS ON TRAINING ON VERTICAL MILLING MACHINE	Mr. S. BABU, DESIGN ENGINEER. DYNASPEED, HOSUR	II / III
2.	04/08/2017 05/08/2017	HANDS ON TRAINING ON 3D PRINTING MACHINE	NAFAMES, BANGALORE	IV / VII
3.	16/08/2017	LIQUID HYDROGEN AS A AVIATION FUEL	Mr. K.R. DEVANDRAPPA SENIOR MANAGER. PRODUCTION & QUALITY CONTROL, JBM GROUP OF COMPANIES	II / III
4.	17/08/2017	MODELING IN INDUSTRY FOR INCREASED ENERGY EFFICIENCY AND REDUCE GREEN HOUSE GAS EMISSION (MIND)	Mr. K.A. SAMPATH KUMAR, MANAGER. CATERPILLAR PVT. LIMITED.	IV / VII
5.	21/08/2017	TECHNOLOGIC ASPECTS OF MANUFACTURING IN MICRO ELECTRO MECHANICAL SYSTEMS	Dr. T. RAMESH, PROF .MECH, NIT, TRICHY	III / V
6.	26/08/2017	RECENT ADVANCEMENTS IN THE FIELD OF CFD	Dr. S. PERIYASAMY, GCT, COIMBATORE	IV / VII
7.	29/08/2017	WELDING IN AUTOMOBILES	Dr. R. MURUGANANDAM, PROF / MECH, SAIRAM COLLEGE OF ENGINEERING, CHENNAI	II / III

<b>SL. NO</b>	<b>DATE</b>	<b>NAME OF THE TOPIC</b>	<b>NAME OF THE RESOURCE PERSON</b>	<b>YEAR/SEM</b>
8.	06/09/2018 07/09/2018	HANDS ON TRAINING ON ASSEMBLING AND DISMANTLING TWO & FOUR WHEELERS	Mr.P. XAVIER JAGANATHAN, GOODWIN MOTORS, MEENAMBAL CROSS STREET, WEST TAMBARAM, CHENNAI.	II / III
9.	14/09/2018 15/09/2018	HANDS ON TRAINING ON ASSEMBLING AND DISMANTLING TWO & FOUR WHEELERS	Mr. P. XAVIER JAGANATHAN, GOODWIN MOTORS, MEENAMBAL CROSS STREET, WEST TAMBARAM, CHENNAI.	II / III
10.	19/09/2018 20/09/2018	HANDS ON TRAINING ON ASSEMBLING AND DISMANTLING TWO & FOUR WHEELERS	Mr. P. XAVIER JAGANATHAN, GOODWIN MOTORS, MEENAMBAL CROSS STREET, WEST TAMBARAM, CHENNAI.	III / V
11.	28/12/2018 29/12/2018	HANDS ON TRAINING ON ASSEMBLING AND DISMANTLING TWO & FOUR WHEELERS	Mr.P. XAVIER JAGANATHAN, GOODWIN MOTORS, MEENAMBAL CROSS STREET, WEST TAMBARAM, CHENNAI.	III / VI
12.	04/01/2019	INITIATIVES OF INNOVATIVE PROJECTS	Dr. K.G. SARAVANAN, SONA COLLEGE OF TECHNOLOGY, SALEM.	IV/VIII

**SYMPOSIUM& CONFERENCE DETAILS:**

<b>S.NO</b>	<b>NAME OF THE PROGRAMME</b>	<b>CHIEF GUEST</b>	<b>PARTICIPANTS</b>	<b>DATE</b>
1.	NCRTME 2K19	<b>Mr. SANKAR SRINIVASAN,</b> DIVISIONAL MANAGER CENTRAL QUALITY – SUPPLIER QUALITY, ASHOK LEYLAND, HOUSR	PAPER PRESENTATION	06-09-2019
2.	SOLIDUS 2K18	<b>Dr. K .VENKATESWARALU KARODI,</b> SCIENTIST, NATIONAL AEROSPACE LABORATORY, (CSIR) BANGALORE.	<ul style="list-style-type: none"> <li>• PAPER PRESENTATION</li> <li>• TECH QUIZ</li> <li>• CAD QUEST</li> <li>• LOGO QUIZ</li> <li>• MR. MECHANIC</li> </ul>	22-09-2018
3.	NCRTME 2K18	<b>S.A.KANNAN</b> INDIAN SPACE RESEARCH ORGANIZATION, AREA OF SATELLITE SYSTEMS DESIGN, BANGALORE.	PAPER PRESENTATION	08-03-2018

**PLACEMENT DETAILS 2019:**

In the academic year 2019 passed out various students from the mechanical engineering department got placed in the various industries in the on campus drive recruitment:

SL.NO	NAME OF THE STUDENT	NAME OF THE COMPANY PLACED
1	ARAVIND.M	TELE PERFORMANCE- INTELENET
2	ARAVINDAN.B	RENAULT & NISSAN
3	ARAVINDH.V	TELE PERFORMANCE- INTELENET
4	ASHOK KUMAR.P	AXIS GLOBAL SOLUTION
5	ASHOK KUMAR.R	RENAULT & NISSAN
6	DEVESH.V	RENAULT & NISSAN
7	GOKULAPRIYAN.G	TELE PERFORMANCE- INTELENET
8	JAWAHAR SURYA. R	TELE PERFORMANCE- INTELENET
		M/S SOFTWARE SOLUTION
		AXIS GLOBAL SOLUTION
9	KARTHIKEYAN.J.M	EUREKA FORBES
10	KARTHICK.G	RENAULT & NISSAN
11	KOUSHIK.S	TELE PERFORMANCE- INTELENET
		M/S SOFTWARE SOLUTION
12	MAHESH.G	WEG INDUSTRIES
		M/S SOFTWARE SOLUTION
		AXIS GLOBAL SOLUTION
13	MANIMARAN. S	TELE PERFORMANCE- INTELENET
14	MONISHKUMAR V	EUREKA FORBES
15	ROBIN SON P	EUREKA FORBES

<b>SL.NO</b>	<b>NAMEOF THE STUDENT</b>	<b>NAME OF THE COMPANY PLACED</b>
16	SARAVANAN B	RENAULT & NISSAN
17	SENTHIL NATHAN N	RENAULT & NISSAN
18	SRIDHAR V	TELE PERFORMANCE- INTELENET
19	THABREZ C	EUREKA FORBES
20	VALLINAYAGAM A	RENAULT & NISSAN
		AXIS GLOBAL SOLUTION
21	VIGNESHKUMAR K	EUREKA FORBES
22	VIJAY ADITIYA D A	TELE PERFORMANCE- INTELENET
23	AJITH KUMAR R	TELE PERFORMANCE- INTELENET
24	INDRAJITH R	FREEEDOM OPHTHALMIC
25	KARTHIK R	M/S SOFTWARE SOLUTION
26	VIGNESH M	EUREKA FORBES
27	VIJAI SELVARAJ P S P	EUREKA FORBES



Visionary Learning Community of India (VLCI ) Program was initiated on 21<sup>st</sup> August 2018 as a part of “Creating Visionary Leaders For Manufacturing” - Joint Initiative of **Japan International Cooperation Agency (JICA)** and **Confederation on Indian Industry (CII)** with the support of **Harita Seating Systems Limited, Tractors And Farm Equipment Ltd (TAFE)** and **Harita Fehrer Ltd** organized by **Department of Mechanical Engineering** from 21<sup>st</sup> August 2018 to 1<sup>st</sup> October 2018.

### SUPPORTING INDUSTRIES



Japan International Cooperation Agency

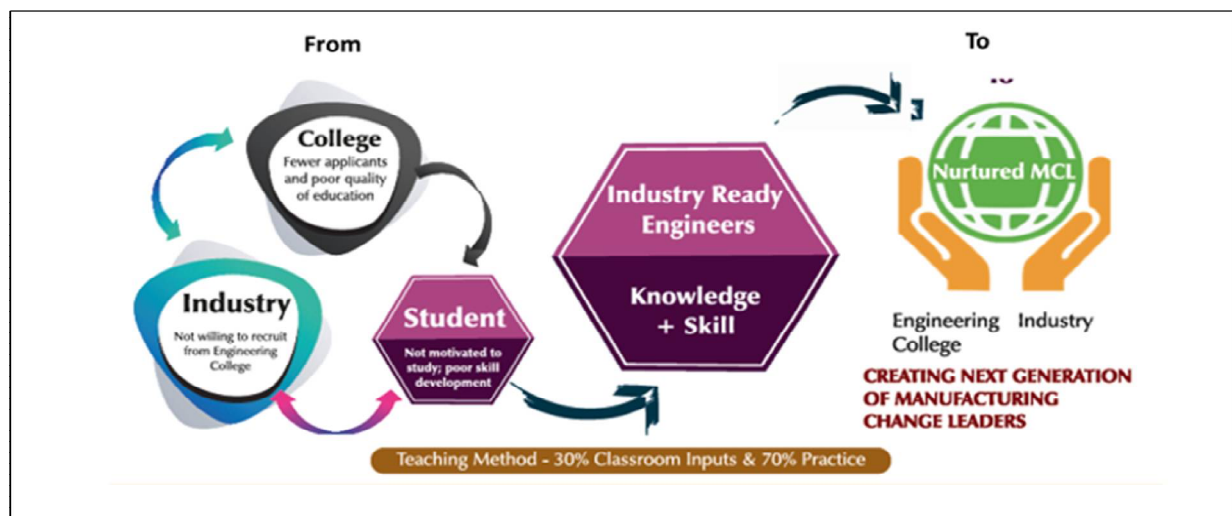


Visionary Leaders For Manufacturing



Confederation of Indian Industry

## Visionary Learning Community of India



VLCI Inauguration Program Photos:



## What is VLCI?:

India is the fastest growing economy in the world with the benefit of a growing young population looking to get integrated into India's working population. However, there are following challenges in terms of industrial development especially in smaller towns

1. 1.5 million engineers in India are passing out every year run the risk of not getting a job at all, points out Economic time.

2. The industries deals with shortage of good engineers.

3. The local academia (engineering colleges/universities) trapped in traditional curriculum and classrooms.

4. Low quality engineering students face a campus placement crisis

In order to solve those challenges and create Manufacturing Change Leaders (MCL) with skill to contribute to the Indian industry, Visionary Learning Community of India (VLCI) has been launched in 2015. The VLCI is applying the accumulated experiences of Visionary SME (VSME) Program implemented by Prof. Shoji Shiba, Mr. Takeyuki Furuhashi and Confederation of Indian Industry (CII)

VLCI boost your curriculum as a vital supplement its result to student employability.

## VLCI Curriculum:

### VLCI Model Curriculum for College

**Suitable Branches :** Mechanical, Production & Automobile Engineering

Sr. No.	Module	8 Semester- 4 Years Course								Student's Participation
		Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8	
1	Observation Skills Safety & Cleanliness (Part-1 – Public Places & Part-2 – Factory)									Full Class
2	Evolution of Modern Manufacturing									Full Class
3	Modern Manufacturing Basic Knowledge & Skills									Elective
4	Introduction to FMS (Flow Management System)									Elective
5	Flow Management Concepts									Elective + Winter (Nov-Dec Internship - 4 weeks)
6	Leadership Skills for Manufacturing									Elective

**Teaching Method - 30% Classroom Inputs & 70% Practice**

## VLCI Company Visit:

To develop student's ability on the industrial experience on 13<sup>th</sup> march 2019 students from mechanical engineering department visited Haritha seating systems Ltd. Students enhanced their knowledge by interacting with the people in the industry as a part of this VLCI program.



## PLACEMENT AND TRAINING:

Placement training plays a major role in shaping up the career goals of students. It is the dream of every engineering student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is realized that training is important for engineering students to enhance their employability skills and achieve good placement in various Industries.

At present, the competition for employment is increasing every day and placement has become a challenging task. Training of students and equipping them with life skills has become an important responsibility of the institution. Along with technical expertise, development of a holistic personality is also necessary. To meet out these requirements, a fully-fledged training cell is operating in our college to enhance the capabilities of engineering graduates on par with the industry standards.

As a part of initial training various students from final year took part in the TCS NINJA training on 15<sup>th</sup> July 2019 to 29<sup>th</sup> July 2019 to develop various skills on verbal, non-verbal, computer programming, softs kills, aptitude and communication.

## GRADUATION CEREMONY:

A time to celebrate with all those people, your friends, teachers and parents who have help the students in all the initial year of the student life and have made learning fun.; Yes, it's all about Graduation we are talking, the wonderful occasion for each a student to remember in life.

The 14<sup>th</sup> Graduation day was enlightened by the presence of Dr. Mylswamy Annadurait that was held on 6th June 2019 where 102 B.E Mechanical Engineering and 9 M.E Engineering Design were graduated.



*List of candidates those who were graduated from B.E., Mechanical Engineering of 2014-2018 Batch.*

<b>S. No</b>	<b>REG NO</b>	<b>NAME OF THE STUDENT</b>	<b>CLASS</b>
1.	610814114001	AJITHKUMAR M	FIRST CLASS
2.	610814114002	AKBARSHERIF U	FIRST CLASS
3.	610814114004	ANBU A	FIRST CLASS
4.	610814114005	ANZIO P	FIRST CLASS
5.	610814114006	ARUL M	FIRST CLASS
6.	610814114008	ARUN V	FIRST CLASS
7.	610814114009	ARUN KUMAR C	FIRST CLASS
8.	610814114010	ARUN KUMAR R	FIRST CLASS
9.	610814114011	ASHOK KUMAR A C	FIRST CLASS
10.	610814114014	BALAMURALI M	FIRST CLASS
11.	610814114015	CHANDRASEKAR K L	FIRST CLASS
12.	610814114016	DEEPU SINGH P	FIRST CLASS
13.	610814114017	DEVARAJU Y	FIRST CLASS
14.	610814114018	DHARANI V	FIRST CLASS
15.	610814114019	ELAYARASAN A	FIRST CLASS
16.	610814114020	GANESH M	FIRST CLASS
17.	610814114022	GOKUL V	FIRST CLASS
18.	610814114023	GOPAL N	FIRST CLASS
19.	610814114025	JAWAHAR M	FIRST CLASS
20.	610814114026	JEEVA BHARATHAN V	FIRST CLASS
21.	610814114028	KARTHIK S	FIRST CLASS
22.	610814114029	KIRAN KUMAR U	FIRST CLASS
23.	610814114030	KISHORE M	FIRST CLASS
24.	610814114031	KISHOREKUMAR T	FIRST CLASS
25.	610814114033	KONDRAIVENDHAN A	FIRST CLASS

<b>S. No</b>	<b>REG NO</b>	<b>NAME OF THE STUDENT</b>	<b>CLASS</b>
26.	610814114034	KUMARAGURU S	FIRST CLASS
27.	610814114035	LAKSHMIKANTH M	FIRST CLASS
28.	610814114038	LOKESHWARAN S	FIRST CLASS
29.	610814114041	MANIGANDAN R	FIRST CLASS
30.	610814114043	MANJUNATH G	FIRST CLASS
31.	610814114044	MANJUNATH R	FIRST CLASS
32.	610814114045	MANJUNATH V	FIRST CLASS
33.	610814114046	MATHIYARASU A	FIRST CLASS
34.	610814114047	MOHAN KUMAR H N	FIRST CLASS
35.	610814114048	MOHAN KUMAR R	FIRST CLASS
36.	610814114050	MUHAMMED INNAMUL HASSAN N M	FIRST CLASS
37.	610814114051	MUKUNDA G	FIRST CLASS
38.	610814114052	MUNIRAJ S	FIRST CLASS
39.	610814114054	MURALI MOHAN R	FIRST CLASS
40.	610814114056	NAGESH S	FIRST CLASS
41.	610814114057	NANDHAKUMAR K	FIRST CLASS
42.	610814114058	NARENDRA N	FIRST CLASS
43.	610814114059	NAVEEN KUMAR C	FIRST CLASS
44.	610814114061	NITHIYA PRATHAP T	FIRST CLASS
45.	610814114062	PARAMESHWARAN P	FIRST CLASS
46.	610814114063	PARTHASARATHY S	FIRST CLASS
47.	610814114065	PONVEELAN S	FIRST CLASS
48.	610814114066	POOVARASAN A	FIRST CLASS
49.	610814114067	POOVARASAN S	FIRST CLASS
50.	610814114068	PRABAKARAN R	FIRST CLASS
51.	610814114069	PRABAKARAN S	FIRST CLASS
52.	610814114072	PRASHANTH N	FIRST CLASS



<b>S. No</b>	<b>REG NO</b>	<b>NAME OF THE STUDENT</b>	<b>CLASS</b>
53.	610814114073	PRATHEEP A	FIRST CLASS
54.	610814114074	PRAVEENKUMAR K	FIRST CLASS
55.	610814114075	PREM KUMAR M	FIRST CLASS
56.	610814114078	RAVINDRAN V	FIRST CLASS
57.	610814114080	SABEGASAN P	FIRST CLASS
58.	610814114081	SABHARISHA K	FIRST CLASS
59.	610814114082	SADDAM HUSSIAN M	FIRST CLASS
60.	610814114083	SAGAR N	FIRST CLASS
61.	610814114084	SAI KUMAR C	FIRST CLASS
62.	610814114087	SAKTHIVEL M	FIRST CLASS
63.	610814114088	SAMUVEL J	FIRST CLASS
64.	610814114089	SANJAY S	FIRST CLASS
65.	610814114090	SANJAYKUMAR V	FIRST CLASS
66.	610814114091	SANTHOSHKUMAR S	FIRST CLASS
67.	610814114092	SARATHBABU K	FIRST CLASS
68.	610814114094	SASIKUMAR S	FIRST CLASS
69.	610814114096	SATISH M	FIRST CLASS
70.	610814114097	SELVARAJ P	FIRST CLASS
71.	610814114098	SENTHILKUMAR K	FIRST CLASS
72.	610814114100	SIVAKUMAR R	FIRST CLASS
73.	610814114101	SRIKANTH A	FIRST CLASS
74.	610814114102	SRIMURUGAN A	FIRST CLASS
75.	610814114103	SRINATH B	FIRST CLASS
76.	610814114104	SRIRAM S	FIRST CLASS
77.	610814114106	SUDHAKAR N	FIRST CLASS
78.	610814114107	SUMANTH S M	FIRST CLASS
79.	610814114109	SYEDFAIZAN A	FIRST CLASS

<b>S. No</b>	<b>REG NO</b>	<b>NAME OF THE STUDENT</b>	<b>CLASS</b>
80.	610814114111	VEERAARAVINDHA SELVAM A	FIRST CLASS
81.	610814114113	VIGNESH KUMAR R	FIRST CLASS
82.	610814114114	VIJAYAKUMAR P	FIRST CLASS
83.	610814114118	VISHNU V	FIRST CLASS
84.	610814114119	VIVEK V	FIRST CLASS
85.	610814114301	AJITHKUMAR M.R	FIRST CLASS
86.	610814114303	GANESH.A	FIRST CLASS
87.	610814114304	JAGADESAN.S	FIRST CLASS
88.	610814114307	MANIKANDAN.K	FIRST CLASS
89.	610814114308	MUNIDAS.C	FIRST CLASS
90.	610814114309	MURALI.P	FIRST CLASS
91.	610814114310	PRAVEENKUMAR.V	FIRST CLASS
92.	610814114312	RAJESH KUMAR.J	FIRST CLASS
93.	610814114314	SANTHOSH KUMAR.N	FIRST CLASS
94.	610814114315	SARAVANAN.M	FIRST CLASS
95.	610814114317	SATHISH.M	FIRST CLASS
96.	610814114320	SRIKANTH.R	FIRST CLASS
97.	610814114321	SRINIVASA MURTHY M	FIRST CLASS
98.	610814114322	SURENDER.J	FIRST CLASS
99.	610814114324	VINAY.V	FIRST CLASS
100.	610814114502	PRABAKARAN S	FIRST CLASS
101.	610814114703	VIMAL.K	FIRST CLASS
102.	610814114705	PRASANTH KUMAR.G	FIRST CLASS

*List of candidates those who were graduated from M.E., Engineering Design of 2016-2018 Batch.*

<b>S. No</b>	<b>REG NO</b>	<b>NAME OF THE STUDENT</b>	<b>CLASS</b>
1.	610816408001	BALASUBRAMANIAN B	FIRST CLASS
2.	610816408002	DEEPAK KUMAR S	FIRST CLASS
3.	610816408003	KHADER C	FIRST CLASS
4.	610816408004	MANIVANNAN B	FIRST CLASS
5.	610816408005	MEIYAZHAGAN M	FIRST CLASS
6.	610816408007	SARAN R	FIRST CLASS
7.	610816408010	SYED HUSSANI PEERAN N	FIRST CLASS
8.	610816408011	VASANTH U	FIRST CLASS
9.	610816408012	VIVEK SRIRAM R	FIRST CLASS

## INDUSTRIAL VISITS:

For PMCTECH, Industry visits are extremely important and an essential need for its academic compliance as the visits sensitize students to the practical challenges that organizations face in the business world. Industrial visits also give greater clarity about various management concepts for students as they can practically see how these concepts are put into action. To avail this valuable learning that students can be exposed to from industrial visits, PMCTECH arranges visits suitable to the every department's curriculum aspect and few of the visits carried out by the students are as follows:

- IMTEX, BANGALORE.
  
- GD NAIDUMUSEUM,  
COIMBATORE.
  
- SHADLOW, HOSUR.
  
- EFICO, COIMBATORE
  
- SUGUNA PUMPS,  
COIMBATORE
  
- PREMIER MACHINE  
TOOLS, COMBATORE

**INDUSTRIAL VISIT PHOTOS:**



**NPTEL COURSE:**

NPTEL National Programming on Technology Enhanced Learning (NPTEL) is an initiative of the seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science Bangalore (IISc) for creating video and web course contents in engineering and science. Into its 12th year now, there are 900+ web and video courses across 23 disciplines available for download and viewing on the NPTEL web site distributed under the CC-BY-SA license. Various course offered in NPTEL under mechanical engineering:

<b>S. NO</b>	<b>COURSE AND PROFESSORS HANDLING</b>
1.	Advanced Finite Elements Analysis, Prof. R.Krishnakumar, IIT Madras
2.	Advanced Gas Dynamics, Prof. Rinku Mukherjee, IIT Madras
3.	Advanced Machining Processes, Prof. Vijay K. Jain, IIT Kanpur
4.	Advanced Manufacturing Processes, Prof. A.K. Sharma, IIT Roorkee
5.	Advanced Operations Research, Prof. G.Srinivasan, IIT Madras
6.	Advanced Strength of Materials, Prof. S.K. Maiti, IIT Bombay
7.	An Introduction to Explosions and Explosion Safety, Prof. K. Ramamurthi, IIT Madras
8.	Applied Thermodynamics for Marine Systems, Prof. P.K.Das, IIT Kharagpur
9.	Basic Thermodynamics, Prof. S.K. Som, IIT Kharagpur
10.	Biomechanical systems, Prof. Shantanu Bhattacharya, IIT Kanpur
11.	Computational Fluid Dynamics, Prof. Suman Chakraborty, IIT Kharagpur
12.	Computer Aided Design and Manufacturing, Prof. Anoop Chawla, IIT Delhi
13.	Computer Aided Engineering Design, Prof. Anupam Saxena, IIT Kanpur
14.	Conduction and Radiation, Prof. C.Balaji, IIT Madras
15.	Convective Heat and Mass Transfer, Prof. A.W. Date, IIT Bombay
16.	Cryogenic Engineering, Prof. M.D. Atrey, IIT Bombay
17.	Design and Optimization of Energy Systems, Prof. C. Balaji, IIT Madras
18.	Design of Machine Elements I, Prof. G. Chakraborty, IIT Kharagpur
19.	Dynamics of Machines, Prof. Amitabha Ghosh, IIT Kanpur
20.	Engineering Fracture Mechanics, Prof. K. Ramesh, IIT Madras
21.	Engineering Mechanics, Prof. Manoj K Harbola, IIT Kanpur
22.	Engineering Mechanics ( IIT Guwahati), Prof. G.Saravana Kumar, IIT Guwahati
23.	Experimental Stress Analysis, Prof. K.Ramesh, IIT Madras

<b>S. NO</b>	<b>COURSE AND PROFESSORS HANDLING</b>
24.	Finite Element Method, Prof. C.S. Upadhyay, IIT Kanpur
25.	Fluid Mechanics III, Prof. V. Shankar, IIT Kanpur
26.	Fundamentals of Operations Research, Prof. G. Srinivasan, IIT Madras
27.	Heat and Mass Transfer, Prof. U.N. Gaitonde, IIT Bombay
28.	Industrial Engineering, Prof. Pradeep Kumar, IIT Roorkee
29.	Kinematics of Machines, Prof. Ashok K Mallik, IIT Kanpur
30.	Manufacturing Processes I, Prof. D.K. Dwivedi, IIT Roorkee
31.	Manufacturing Processes II, Prof. A.K. Chattopadhyay, IIT Kharagpur
32.	Material Science, Prof. S.K. Gupta, IIT Delhi
33.	Mathematical Methods in Engineering and Science, Prof. Bhaskar Dasgupta, IIT Kanpur
34.	Mechanical Measurements and Metrology, Prof. S. P. Venkateshan, IIT Madras
35.	Mechanical Vibrations, Prof. S.K.Dwivedy, IIT Guwahati
36.	Nonlinear Vibration, Prof. S.K. Dwivedy, IIT Guwahati
37.	Principles of Mechanical Measurements, Prof. R. Raman, IIT Madras
38.	Project and Production Management, Prof. Arun Kanda, IIT Delhi
39.	Refrigeration and Air Conditioning, Prof. R.C. Arora, IIT Kharagpur
40.	Robotics, Prof. C. Amarnath, IIT Bombay
41.	Rocket Propulsion, Prof. K. Ramamurthi, IIT Madras
42.	Strength of Materials, Prof. S.P.Harsha, IIT Roorkee
43.	Techonology of Surface Coating, Prof. A.K. Chattopadhyay, IIT Kharagpur
44.	Theory and Practice of Rotor Dynamics, Prof. Rajiv Tiwari, IIT Guwahati
45.	Tribology, Prof. Harish Hirani, IIT Delhi

## SOCIETAL ACTIVITIES:

In our department we involved in many social activities like blood donation camps, veterinary camps, medical camps, eye check-up camps through NSS chamber. The few activities are follows:



VETENARY CAMP



BLOOD CAMP



EYE CAMP





# DEPARTMENT ACTIVITY – SYMPOSIUM PHOTOS

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25.09.2018  
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3D Design Modeling  
Fabrication Demonstration  
Organic Farm  
Paper Game  
Sustained Event (Quiz)  
Sustained Event (Photo-Book)  
Mr. K. Jining / 9953458467  
e-mail: airo2k18@gmail.com

**INFRA 2K18**  
20.09.2018  
EVENTS:  
Segg Model  
CAD Drawing  
Sheet Cutting  
Connections  
Brain Storm  
Prizes  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
E-mail: infra2k18@gmail.com

**SOLIDUS 2K18**  
22.09.2018  
EVENTS:  
CAD Modeling  
Technical Quiz  
Poster Presentation  
Segg Events  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
E-mail: solidus2k18@gmail.com

**INSAMAZE 2K18**  
19.09.2018  
EVENTS:  
Quiz  
Competition  
Casual Bio. Quiz  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
Mr. P. Anand / 9888231913  
Mr. S. Sathish / 9843111111  
E-mail: insamaze2k18@gmail.com

Submission: 12.09.2018  
Intimation: 14.09.2018  
Registration: 15.09.2018

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Mailing Address: _____	<b>Convener</b> Dr. P. Rajasekaran, Mr. M.P. Mohan Raj, Head, Dept. of MECH, PMC Tech	<b>Organised by</b> Department of MECH Er. Perumal Manimekalai College of Engineering Hosur - 635 117.
Contact No: _____	<b>Co-Convener</b> Mr. R. Indraj, Asst. Prof. / MECH Mr. P. Muthusamy, Asst. Prof. / MECH Mr. Lakshmanababu, Asst. Prof. / MECH Mr. V. Prabhju, Asst. Prof. / MECH Mr. P. Muthiraj, Asst. Prof. / MECH Mr. K. Udayakumar, Asst. Prof. / MECH Mr. C. Velmarugan, Asst. Prof. / MECH Mr. S. Thinnarayan, Asst. Prof. / MECH Mr. T. Sathidhanmathan, Asst. Prof. / MECH Mr. R. Venkateshwaran, Asst. Prof. / MECH Mr. C. Khuder, Asst. Prof. / MECH Mr. Manivel, Asst. Prof. / MECH Mr. Vinothkumar, Asst. Prof. / MECH	
E-mail Id: _____	<b>Co-ordinator</b> Mr. K. Ranjith kumar Assistant Professor, Dept. of MECH Mob: +91 8098260789 E-mail: netnmpmctech2k19@gmail.com	
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**Mr. R. Balaji**  
Asst. Professor / 99407 92511  
**Mr. K. Udayakumar**  
Asst. Professor / 90033 39925

Submission of Paper : 21.09.2019  
Acceptance Intimation : 21.09.2019  
Last Date for Registration: 20.09.2019  
E-Mail : solidus2k19@gmail.com

PREVIOUS YEAR'S LEWSLETTER COVER PAGE PHOTOS:

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Wipro - Mission 10X Technology Learning Centre  
Product Development Centre - 3D Printer

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Student Strength (13)  
Patent Details (14)  
Innovative Projects (15)  
Journal Publications (17)  
Tech Expo (18)  
Student Event Participation (20)  
Symposium (27)  
Placement Achievements (28)  
Industrial Visits (31)  
Social Activities (33)  
Laboratories (34)

**EDITOR**  
Mr. M. SATHISKUMAR, M.E.,

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**PMC-MECH  
ANNUAL NEWS LETTER**  
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Organised by  
**Department of MECH**  
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## LABORATORIES:

The department of Mechanical Engineering in PMC Tech has team of highly qualified and experienced faculties from the institutes of national repute. There are course oriented laborites where the students do experimental work leading to a better understanding of physical situations.

Besides, the department has also provided pro E and Ansys software in its labs. The mission of the Department is to establish itself as a center of excellence in the field of Mechanical Engineering, through innovative teaching learning methods, intensive CAD/CAM short term programs, INSTITUTE INDUSTRY partnerships, and carrying on projects on Mechanical Engineering. The well-equipped laboratories, dedicated, qualified and committed faculty and supporting staff form the core of the branch.

Department of Mechanical engineering has the following lab setup to help the students to understand the engineering concepts by conducting experiments on different domains.

- Thermal Engineering Laboratory
- CAD/CAM Laboratory
- Strength of Materials Laboratory
- Fluid Mechanics and Machinery Laboratory
- Dynamics Laboratory
- Metrology and Measurements Laboratory
- Manufacturing Technology Laboratory
- Mechatronics Laboratory

**LABORATORY GALLERY:**



**CNC LABORATORY**



**WORK SHOP**



**MANUFACTURING TECHNOLOGY-I**



**DYNAMICS LABORATORY**



**STRENGTH OF MATERIALS LABORATORY**



**FLUID MECHANICS AND MACHINERY LABORATORY**



**THERMAL ENGINEERING LABORATORY-I**



**MANUFACTURING TECHNOLOGY LABORATORY-II**



**PRODUCT DEVELOPMENT**



**CAD/CAMLAB**



**MANUFACTURING LAB**



**GD&T SELF LEARNING**

**SPORT ACTIVITY:**

<b>S. No.</b>	<b>NAME OF THE EVENT</b>	<b>POSITION</b>
1.	BADMINTON (BOYS)	WINNER
2.	BADMINTON DOUBLES (BOYS)	RUNNER
3.	KABADDI (BOYS)	WINNERS
4.	CRICKET (BOYS)	WINNERS
5.	VOLLEYBALL SENIOR (BOYS)	WINNERS
6.	BASKETBALL SENIOR (BOYS)	WINNERS
7.	DART (BOYS)	RUNNER
8.	CHESS (BOYS)	RUNNER
9.	100 METERS (BOYS)	SECOND THIRD
10.	400 METERS (BOYS)	FIRST SECOND THIRD
11.	1500 METERS (BOYS)	SECOND
12.	200 METERS (BOYS)	FIRST SECOND THIRD
13.	SHOT PUT (BOYS)	THIRD
14.	4*100 METERS RELAY (BOYS)	FIRST
15.	JAVELIN THROW (BOYS)	FIRST SECOND
16.	DISCUS THROW (BOYS)	THIRD
17.	LONG JUMP (BOYS)	SECOND THIRD
18.	TRIPLE JUMP (BOYS)	SECOND THIRD

**SPORT GALLERY:**

