

PATTUKKOTTAI POLYTECHNIC COLLEGE



MECHANICAL ENGINEERING

2019-2020

CORRESPONDENT MESSAGE



***MR.SDS.SELVAM B.E., L.L.B.,
CORRESPONDENT***

Pattukkottai Polytechnic College was established with a tall objective of providing technical education for the students of this rural region.

Our Institution has been on its mission of building a flourishing student society, by motivating every individual and guiding them to attain sure success.

Our institution has come across many milestone events during its journey over the last 39 years and has set the stage for achieving educational excellence through the perseverance of the faculty, commitment of students, and all the dignified well-wishers of the institution.

Our institution has a history crowned with glory and achievements. Our institution has taken thrust forward towards collaborative industrial research and consultancy with both Indian foreign organizations. As students of this institution, we are sure that you would have gained immense knowledge and maturity which will help you to elevate in the future.

We wish all our beloved students to achieve new heights in your life and career. Hope to see you all in our alumni meet with greater and respected position in our society.

PRINCIPAL MESSAGE



MR.V.MUTHUVEL M.E.,MISTE.,

PRINCIPAL

Pattukkottai Polytechnic College, “popularly known as PPC”, is the right place to start the career, for everyone who wants to pursue technical education after secondary school education. I want to share few innovative philosophy of teaching in order to reveal the serene environment and congenial atmosphere for learning at PPC. A teacher moulds minds while touching hearts. Experienced, dedicated and dynamic faculty members of our college are ever ready to help students with the challenges that they face in the classrooms and laboratories. All laboratories and workshops of the college are equipped with state-of-the-art facilities to impart practical training to the level of industry expectations. Apart from department libraries, the library of the college houses a massive collection of technical books, journals, magazines and VCD’s. The college

aims and focuses on industry oriented education on par with the best.

Come and discover your dreamful and colourful future at PPC.

VISION OF INSTITUTE:

To step forward towards Educational Excellence by inspiring students to be a competent Engineering professional to serve the needs of the industry and the society and create them as an entrepreneur.

MISSION OF INSTITUTE:

- M1. To impart quality education through demanding academic programs and create enthusiasm for life- long learning
- M2. To enhance career opportunities for students through exposure to industry.
- M3. To promote excellence by encouraging creativity, critical thinking, teamwork, leadership and ethics among students
- M4. To inculcate sensitivity towards society and a respect for the environment.

PEOs:

- PEO1: The graduates of mechanical engineering will develop an attitude of lifelong learning for sustained career advancement and adopt to the changing multidisciplinary profession.
- PEO2: The graduates of mechanical engineering will demonstrate managerial and leadership skill for career and starting up own firms.
- PEO3: The graduates of mechanical engineering will develop cost effective eco friendly mechanical components and system needed for the industry and society

DEPARTMENT OF MECHANICAL ENGINEERING

VISION:

To develop global competent mechanical engineering professionals with creativeness, innovativeness and entrepreneurship skills to develop out-of-the-box-thinking respond effectively to the needs to the industry.

MISSION:

- M1: To provide conducive environment to the students to hone up their technical skill by imparting quality education.
- M2: To create excellent student centric and supportive environment in the department.
- M3: To bond strong relationship with the industries to upgrade the knowledge of the students through exposure for cutting edge technologies.
- M4: To Conduct skill development programs to mold them employable and as an entrepreneur

ABOUT THE DEPARTMENT

Department of Mechanical Engineering at PPC has experienced, well qualified and dedicated faculty. State of art laboratories and workshops form an integral part of the department. Mechanical engineering is the discipline that applies the principles of engineering, physics, and materials science for the design, analysis, manufacturing, and maintenance of mechanical systems.

It is the branch of engineering that involves the design, production, and operation of machinery. Mechanical engineering has all time demand and its spectrum grows with advances in other areas of technology.

Mechanical Engineering is closely related to the design and production of machines which further reduces human labour. We create well trained students in CNC milling & turning to fulfill the industrial needs. We are

regularly conducting Innovative Projects to develop the student technical skills and the best model was identified and motivated.

Keeping such requirements in mind competent and experienced faculty of our mechanical department prepares the students by giving simple assignments, seminars, conducting tests, short term courses allowing extra industrial practice. By studying mechanical engineering the students may be enriched in the skills of problem solving, creativity, clear communication ability, collaboration, and mathematics

LIST OF FACULTIES

1.	R.PANDIYAN M.E
2.	G.MATHANRAJ M.E
3.	N.ARIVARSAN M.E
4.	C.KAILASAPATHY B.E
5.	D.KALAISELVI M.E
6.	M.VIJAYAKUMAR M.E
7.	M.VIJAYAKUMAR M.E

8.	M.PARTHIBAN B.Tech M.E
9.	R.SENTHILMURUGAN BTech
10.	J.RAJESHKUMAR B.E

MECH Association- Technovation Activities Expert Seminar



Mr. K.RAJESHKUMAR, AUTO CAD Trainer, Thanjavur delivered *Seminar* for third year Mech students about “Design Of An Auto Tilting And Empower Engineering” on 24.07.2019.

PARENTS- MEETING

Parents meeting had been conducted for both II nd and III rd year MECH students by the department of on 20.07.2019.

INDUSTRIAL VISIT



Association of MECH department organized an Industrial Visit for IIIrd year students at **Gee Kay Engineering At Coimbatore 22.08.2019.**

FACULTY DEVELOPMENT/TRAINING ACTIVITIES

- Mr.N.Arivarasan, lecturer MECH participated 5 days program of “Recent Trends In Mechanical Engineering” organized Manora Polytechnic College from 07.11.2019 to 11.11.2019.
- Mr.C.Kailasapahy Lecturer MECH participated 5 days program of “METALLURGICAL FAILURES Organized By Kumaran Polytechnic Pudukkottai College from 10.11.2019 to 14.11.2019.
- Mr.D.Kalaiselvi Lecturer MECH participated 5 days program of “Geometric Dimensioning And Tolerances” Organized By PSV Polytechnic College, Pudukkottai from 20.11.2019 to 26.11.2019.

STUDENT ACHIEVEMENTS

- Veerakumar M I ,II MECHANICAL participated in **paper presentation** event at Sri Ramakrishna Polytechnic College, Coimbatore on 22-08-2019 and **won third Prize.**
- M. Veerakumar MECH student participated in **One Day Workshop** At Kongunadu Polytechnic College on 15.09.2019 and **won 3RD Place.**
- S. Hariharan, first year MECHANICAL student participated in Inter-**Institute Cricket Match** At Mahath Amma Polytechnic College, Ariyur and won **4th Place on 15-9-2019.**

MECH Association- Technovation Activities Expert Lectures (APRIL 2020)



A seminar on **JOB OPPORTUNITIES IN OIL AND GAS INDUSTRIES** by **Mr. N. RAJESH KANNAN**, Planning and cost engineer (petroleum and development) on 10.01.2020

PARENTS MEETING

Parents meeting had been conducted for both IInd and IIIrd year MECH students by the department of MECH on 10.08.2019.

INDUSTRIAL VISIT



Association of MECH department organized an Industrial Visit for IIIrd year students at **NANDI AUTOMATION, HOSUR** on 28.02.2020.

STUDENT ACHIEVEMENTS

- R. ABINESH, R. SUDHAKARAN, M. BALAJI of MECHANICAL department participated in Inter-institute **Athletics Match** At Senthuran Polytechnic College,

Pudukkottai on 30.01.2020 and **won 3RD Place**.

- R. MATHAN RAJ of II year MECHANICAL participated in **Inter-institute Handball** match at Vaandaiyar Polytechnic College, Tanjore on 07.01.2020 and **won 3RD Place**.
- National cadet corps has been incremental in working shoulder to shoulder with civil, defence and police personnel in the country's fight against corona virus (COVID-19) pandemic since April 2020 to boost relief efforts and functioning of various agencies involved in battling the pandemic and also our Mechanical department student Keerthivasan got appreciation for his involvement in the field of COVID-19 awareness in NCC.

