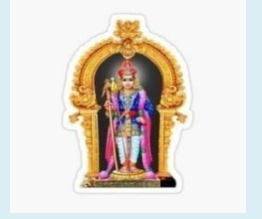




APPC MECH TIMES



Arulmigu Palaniandavar Polytechnic College, Palani

Department of Mechanical Engineering

தொட்டனைத் தூறும் மணற்கேணி மாந்தர்க்குக்
கற்றனைத் தூறும் அறிவு. -திருக்குறள் (396)

In sandy soil, when deep you delve, you reach the springs below;
The more you learn, the freer streams of wisdom flow. -Thirukkural (396)

மணலில் உள்ள கேணியில் தோண்டிய அளவிற் றுக்கு நீர் ஊறும்,
அதுபோல் மக்களின் கற்றக் கல்வியின் அளவிற் றுக்கு அறிவு ஊறும்.

INSTITUTION

VISION :

ARULMIGU PALANIANDAVAR POLYTECHNIC COLLEGE aims for holistic development of rural students with Engineering Knowledge, Skills, Values and Ethics towards employability, entrepreneurship and higher studies for their bright future, thus emerging as the best Polytechnic College.

MISSION :

- By providing good infrastructure facilities towards learning and practice.
- Through experienced and qualified faculty members.
- By industry supported Skill laboratories, IIPC, EDC and CIICP.
- By focusing on communication skills, aptitude and technical skills and through values and ethics, programs and by contribution to society.



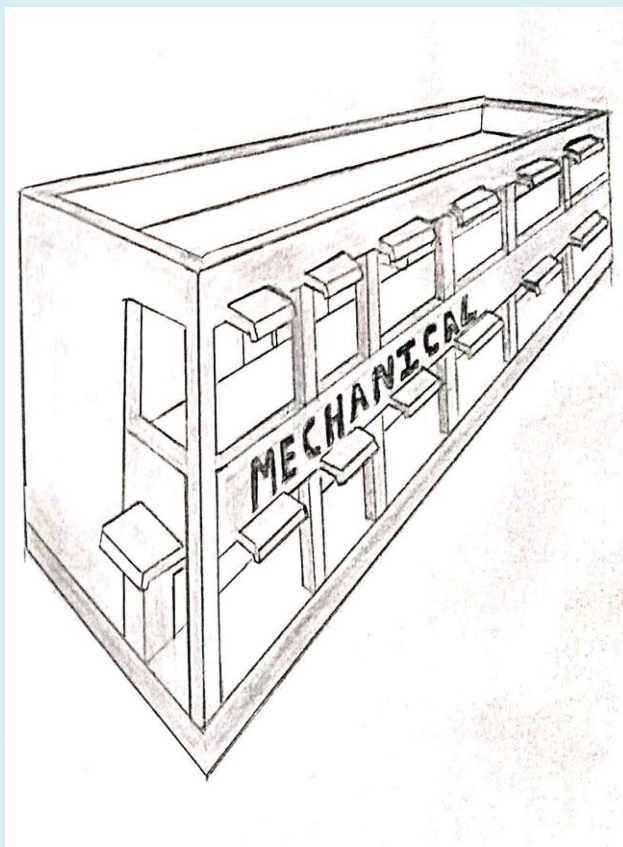
DEPARTMENT

VISION :

The Mechanical Engineering program of Arulmigu Palaniandavar Polytechnic College aims for students' holistic development with mechanical and allied engineering knowledge, Skills, Values and ethics towards employability and higher studies with the blessings of Lord Muruga.

MISSION :

- Through good infrastructure facilities towards learning, Laboratory practices, Sports and games etc.
- Through industry sponsored Laboratories for skill development.
- Through Co and extra-curricular activities NSS activities in addition to academics for students overall development.



T.KAVIN, II Year Mechanical

Editorial Board Members

Patron :	Dr. R.Kandasamy, Principal, APPC.
Chief Editor :	Mr. D.Padmanaban, HOD/Mech.
Editors :	Mr. S.N.Rajan, Lecturer(SG)/Mech. Mr. M.Sakthivel, Lecturer/Mech. Mr. N.Lakshmiganesan, Lecturer/Mech. Mr. A.G.Sethulakshmanji, Lecturer/Mech. Mr. K.Nandhakumar, Lecturer/Mech. Mr. M.Muthupandi, Lecturer/Mech. Mr. D.Pandiyarajan, Final Year DME.

Inside this issue

Department Activities (MOU Signed)	02
Guest Lectures	01
Social Activities	01
Student Activities	04
Placements	04
Faculty Activities	04
Centum Results Achievements of Board Examination	13

From Principal's Desk:

I am happy to see the department newsletter of the mechanical engineering department highlighting the events and achievements of the students. I congratulate editorial team for documenting the events in the department.



*Dr.R.Kandasamy
Principal*

Department Activities:

5K Car Care MOU Signed Programme :

Arulmigu Palaniandavar Polytechnic College and 5k car care , Palani have agreed to enter into a Memorandum of Understanding(MOU) on 03rd December 2021.The purpose of this MOU intends to encourage the students visit and inplant training at 5k car care , Palani. and Guest lecturers at Arulmigu Palaniandavar Polytechnic College, Mechanical Engineering Department by executives of 5k car care, Palani.



RABWIN Industries Pvt.Ltd. MOU Signed Programme :

Arulmigu Palaniandavar Polytechnic College and RABWIN Industries Pvt.Ltd. Coimbatore have agreed to enter into a Memorandum of Understanding(MOU) on 28th December 2021.The purpose of this MOU intends to encourage the students visit and inplant training at RABWIN Industries Pvt.Ltd. Coimbatore. and Guest lecturers at Arulmigu Palaniandavar Polytechnic College, Mechanical engineering department by executives of RABWIN Industries Pvt.Ltd. Coimbatore.



Skill Development Programme :

Resource Person: *Dr.C.Karthik Kumar, Founder & CEO, 5K Car Care, Palani and his team.*

This One day Skill development Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 3rd December 2021. The objective of this programme was to create awareness about entrepreneurial opportunities and how to develop individual talents for successful career for Final year Mechanical Engineering Students.



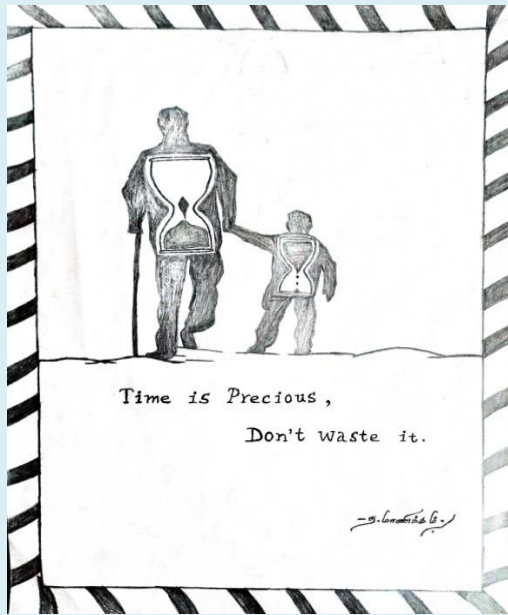
Social Activities:

Tree Planting :

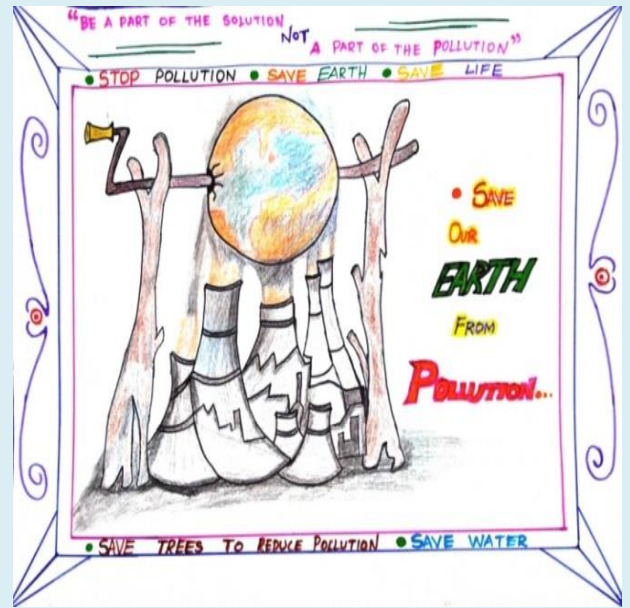
Tree Planting was held on 24th December 2021, at Arulmigu Palaniandavar Polytechnic College, Palani. The event was jointly organized by the Lions Club, Kodaikanal and the college's National Service Scheme. In this event college Principal Dr.Kandasamy, and Head of the Department Mechanical Engineering Mr.D.Padmanaban, and Chief Guests, Dr.T.P.Ravindran and Mr.L.T.Jeevaraj and Mechanical Engineering students participated in the event and planted the saplings on the college campus. The arrangement for the event made by Mr.Ramachandran, The NSS Officer of the college.



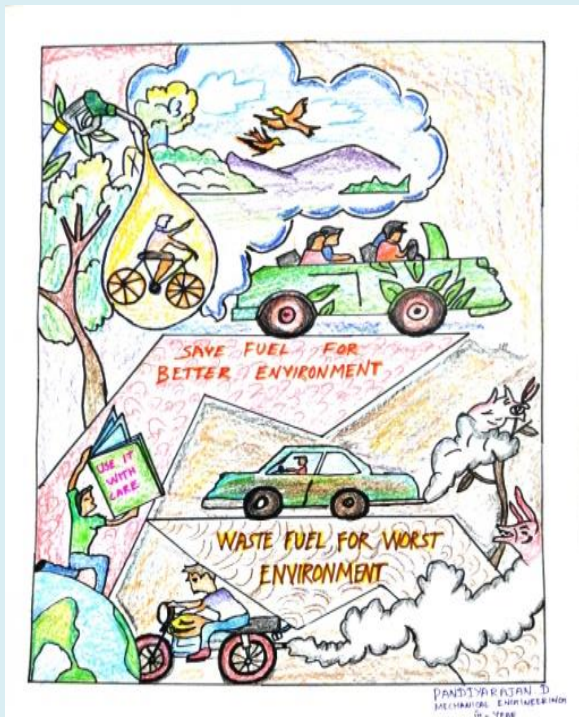
Student Activities :



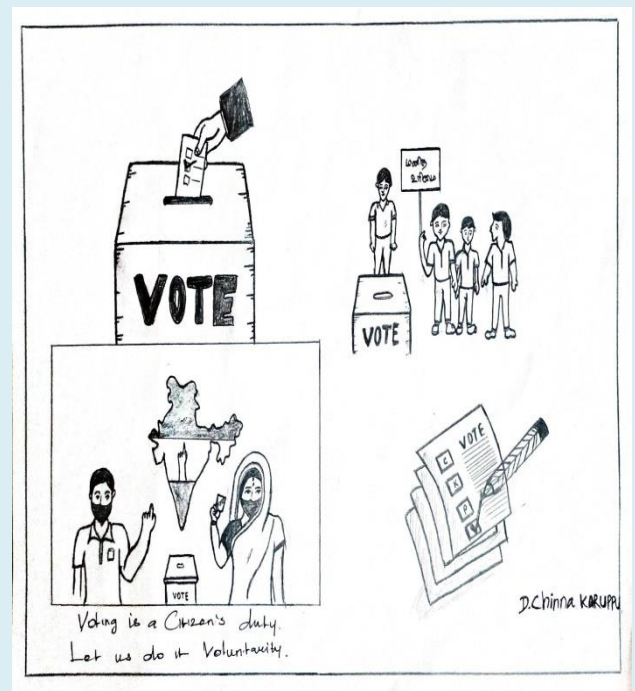
T.Manickam, II Year Mechanical



M.Hariharan, III Year Mechanical



D.Pandiyarajan, III Year Mechanical



D.Chinnakaruppu, III Year Mechanical

Consolidated Placement List for the Academic Year 2020 – 2021

<i>Name of the Industry</i>	<i>No.of Students Placed</i>	<i>Salary per Month</i>	<i>Other Benefits (if any)</i>
<i>Ashok Leyland</i>	<i>8</i>	<i>14,800</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Axle India Private Limited</i>	<i>24</i>	<i>12,500</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Borg Warner</i>	<i>4</i>	<i>14,500</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Turbo Energy Private Limited</i>	<i>9</i>	<i>13,500</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>

Faculty Activities

Faculty Development Programmes

Three of our faculty members attended a two days Online FDP on “Electric Vehicle Technology and Policy” organized by GPC, Karur. ISTE sponsored on 18.09.2021 and 25.09.2021.

Mr.M.Sakthivel attended an one week Online FDP on “Recent Advances in Automobiles” organized by GPC, Gantharvakkottai on 15.04.2021 to 21.04.2021.

Mr.M.Sakthivel attended one week Online FDP on “Recent Advances in Automobiles” organized by GPC, Gantharvakkottai on 06.05.2021 to 12.05.2021.

Mr.N.Lakshmiganesan attended an one day webinar on “Lean Manufacturing” sponsored by PSG Polytechnic College on 16.06.2020.

Centum Results Achievements in Board Examination

<i>Sl.No.</i>	<i>Subject</i>	<i>Faculty Handled</i>
<i>IVSemester</i>		
<i>1</i>	<i>Heat Power Engineering</i>	<i>S.N.Rajan</i>
<i>2</i>	<i>Special Machines</i>	<i>M.Muthupandi</i>
<i>3</i>	<i>Fluid Mechanics and Fluid Power</i>	<i>K.Nandhakumar</i>
<i>4</i>	<i>Electrical Drives and Control</i>	<i>N.Varadharaj</i>
<i>5</i>	<i>Special Machines Practical</i>	<i>M.Muthupandi</i>
<i>6</i>	<i>Electrical Drives and Control Practical</i>	<i>N.Varadharaj</i>
<i>VI Semester</i>		
<i>1</i>	<i>Industrial Engineering and Management</i>	<i>D.Padmanaban</i>
<i>2</i>	<i>Computer Aided Design and Manufacturing</i>	<i>N.Lakshmiganesan</i>
<i>3</i>	<i>Refrigeration and Air Conditioning</i>	<i>M.Sakthivel</i>
<i>4</i>	<i>Computer Aided Design and Manufacturing Practical</i>	<i>N.Lakshmiganesan</i>
<i>5</i>	<i>Machine Tool Testing and Maintenance Practical</i>	<i>S.N.Rajan</i>
<i>6</i>	<i>Refrigeration and Air Conditioning Practical</i>	<i>M.Sakthivel</i>
<i>7</i>	<i>Project Work</i>	<i>M.Sakthivel</i>

Online Learning Resources:

Online Learning Resources for students, Visit these sites and you can find plenty of educational videos on Engineering Topics.

Digital Learning Practice Initiatives

1. Google Play Store:

- a) *Type the Subject Name for Apps and Download*
- b) *Browse the Subject Matter (pdf)*
- c) *Browse for Subject Videos*
- d) *After learning, go for online Tests.*

2. Digital Library:

Students shall be asked to register in the National Digital Library portal for Online learning.

3. National Programme on Technology Enhanced Learning (NPTEL):

Students shall be encouraged to register in NPTEL portal for Online courses. Also, Lecturers can download study materials for their classroom lectures which can be very easily understood by students.

4. Massive Open Online Courses (MOOCS):

Students shall be encouraged to register Online Courses which they will be given certification at the end of the course after the evaluation.

5. Study WEBS of Active – Learning for Young Aspiring Minds (SWAYAM):

Students shall be motivated to join NPTEL – SWAYAM online courses.

6. Google Class Room:

Lecturers shall use students mail id to create Google Class Room. In that Google Class room, Learning materials, Assignments and Tutorials can be uploaded for students reference.