



# APPC MECH TIMES



Arulmigu Palaniandavar Polytechnic College, Palani

Department of Mechanical Engineering

கேடில் விழுச்செல்வம் கல்வி யொருவற்கு  
மாடல்ல மற்றை யவை. - திருக்குறள் (400)

*Learning is true imperishable riches, all other things are not riches.*  
-Thirukkural (400)

ஒருவனுக்கு அழிவு இல்லாத சிறந்த செல்வம் கல்வியே ஆகும்.  
கல்வியை தவிர மற்ற பொருள்கள் அத்தகைய சிறப்புடைய  
செல்வம் அல்ல.

## 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.*

<i>Editorial Board Members</i>	
<i>Patron :</i>	<i>Dr. R.Kandasamy, Principal, APPC.</i>
<i>Chief Editor :</i>	<i>Mr. D.Padmanaban, HOD/Mech.</i>
<i>Editors :</i>	<ul style="list-style-type: none"><li><i>• Mr. S.N.Rajan, Lecturer(SG)/Mech.</i></li><li><i>• Mr. M.Sakthivel, Lecturer(SG)/Mech.</i></li><li><i>• Mr. N.Lakshmiganesan, Lecturer/Mech.</i></li><li><i>• Mr. A.G.Sethulakshmanji, Lecturer/Mech.</i></li><li><i>• Mr. K.Nandhakumar, Lecturer/Mech.</i></li><li><i>• Mr. M.Muthupandi, Lecturer/Mech.</i></li><li><i>• Mr. M.Arunkumar, Final Year DME</i></li></ul>

<i>Inside this issue</i>	
<b><i>Department Activities</i></b>	<b><i>04</i></b>
<b><i>Guest Lectures</i></b>	<b><i>03</i></b>
<b><i>Student Activities</i></b>	<b><i>06</i></b>
<b><i>Placements</i></b>	<b><i>09</i></b>
<b><i>Faculty Activities</i></b>	<b><i>08</i></b>

## **From Principal's Desk:**

*I am glad that the Department of Mechanical Engineering is bringing out its second newsletter successfully. The newsletter is a digest of the various activities carried out by the department for the benefit of students. My sincere appreciations for the entire team.*



*Dr.R.Kandasamy  
Principal*

## **Department Activities:**

### **Career Guidance Programme for Final Year Students :**

**Resource Person:** Mr.D.Shree Murugan,  
Corporate Trainer, Madurai.

*Two days Career Guidance Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 22<sup>nd</sup> and 23<sup>rd</sup> March 2022. The objective of this programme was to create awareness about entrepreneurial opportunities and career avenues to develop individual talents for successful career for Final year Mechanical Engineering Students.*



- **Career Guidance Programme for Final Year Students by Mr.D.Shree Murugan Corporate Trainer**

### **Career Guidance Programme for II Year Students :**

**Resource Person:** Mr.D.Shree Murugan, Corporate Trainer, Madurai.



- **Career Guidance Programme for II Year Students by Mr.D.Shree Murugan Corporate Trainer**

*Two days Career Guidance Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 24<sup>th</sup> and 25<sup>th</sup> March 2022. The objective of this programme was to create awareness about entrepreneurial opportunities and career avenues to develop individual talents for successful career for Second year Mechanical Engineering Students.*

## Guest Lecture :

### Seminar on Start-up Opportunities in Energy Conservation in the Industries :

**Resource Person:** Mr.Sivakumar M.E.,  
External Faculty of PCRA.

This One day Seminar was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 4<sup>th</sup> April 2022. The objective of this programme was to create awareness about start-up opportunities on energy savings in the industries and give the knowledge about domestic and industrial equipment maintenance and energy conservation in domestic and industrial equipments for our **Final year Mechanical Engineering Students**.



- **Seminar on Start-up Opportunities in Energy Conservation in the Industries for III Year Students by Mr.Sivakumar M.E., External Faculty of PCRA**

### Science and Technology Capacity Building for Industrial Needs:

**Resource Persons:** R.Narasimha Iyengar, Corporate Trainer, Coimbatore S.Saravana Prabhu, Er.Maruthappan & Team, General Manager District Industries, Dindigul R.Nachimuthu HOD / Mech Christian Polytechnic College, Oddanchatiram. M.Anbuchelvan, Propertier Anbu Hallow Block Park, Kannivadi



- **Science and Technology Capacity building for industrial needs for Final Year Students from 9 other nearby colleges also participated in this programme.**

This Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 5<sup>th</sup> to 7<sup>th</sup> May 2022 and 12<sup>th</sup> to 14<sup>th</sup> May 2022 under the financial assistance from TN State Council for higher education. The objective of this programme was to create Leadership skills, Teamwork, Time management, Mindfulness and give the knowledge about science and technology capacity building for industrial needs for successful career for **Final year Mechanical Engineering Students**.



## **Technical Lecture on “Industry 4.0”:**

**Resource Persons:** B.Subburam, General Manager, Barani Hydraulics India Pvt. Ltd. Coimbatore. Dr.R.J. Golden Renjith Nimal, HOD / Mech Jai Shri Ram Engineering College, Tirupur. Dr.S.Karthik, HOD / Civil Jai Shri Ram Engineering College, Tirupur.

The Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 9<sup>th</sup> May 2022. The objective of this programme was to create a knowledge about Industry 4.0 and automation control by PLC and current Industrial trends and updation, IOT, and Factory needs for successful career for II year and III year Mechanical Engineering Students.



- **Technical Lecture on Industry 4.0 for II Year and III Year students.**

## **Department Activities:**

### **Project Work Exhibition by Final Year Students :**



- **Project Work Exhibition by Final Year Students.**

The exhibition was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 3<sup>rd</sup> June 2022. The exhibition was inaugurated by Thiru.N.Natarajan Joint Commissioner / Executive Officer of Arulmigu Dhandayuthapani Swamy Thirukovil, Palani, Thiru.A.R.Prakash Deputy Commissioner and correspondent, Arulmigu

Palaniandavar Polytechnic College, Palani. College Principal Dr.R.Kandasamy, and Head of the Department of Mechanical Engineering Mr.D.Padmanaban were present. The exhibition was visited by students from all years of all branches.

## **Additional Commissioner Visit to College :**



- **Tmt.C.Haripriya ADC of HR&CE Visited our Arulmigu Planiandavar Polytechnic College, Palani on 26<sup>th</sup> August 2022.**

*Tmt.C.Haripriya Additional Commissioner of HR&CE Visited Arulmigu Planiandavar Polytechnic College, Palani. on 26<sup>th</sup> August 2022. And Thiru.N.Natarajan joint Commissioner / Executive Officer of Arulmigu Dhandayuthapani Swamy Thirukovil, Palani and Thiru.A.R.Prakash Deputy Commissioner and correspondent of Arulmigu Palaniandavar Polytechnic College, accompanied the visiting*

*dignitary. She appreciated the infrastructure facilities available in the department and offered suggestions for further improvements. She also emphasised the need for training of persons in trades like plumber, electrician etc. who are always in short supply in the society.*

## **Student Activities :**



- **Mechanical Engineering Students received the Prizes in College Sports Day On 29<sup>th</sup> May 2022.**

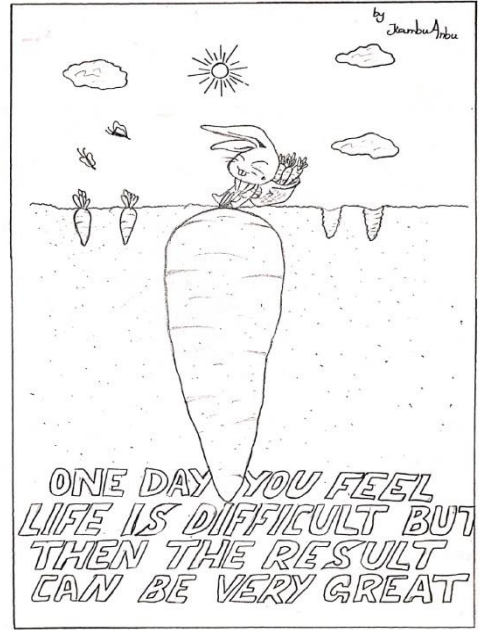


- **S.Karthikeyan, III Year Mechanical Engineering Student participated in Poetry Competition (75<sup>th</sup> Independence Day Celebration) and received the 2<sup>nd</sup> Prize.**

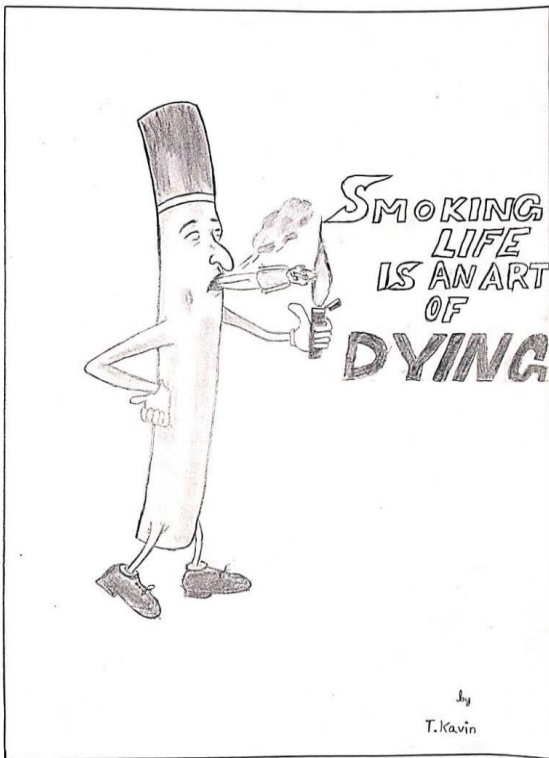




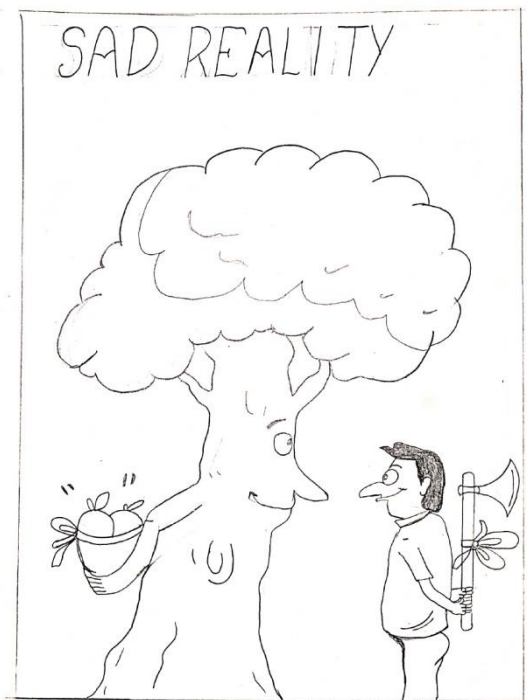
*K.Pravinkumar / II Year*



*V.Kavibalan / II Year*



*T.Kavin / II year*



*R.Basith Rahuman / II year*

## Consolidated Placement List for the Academic Year 2021 – 2022

<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 Private Limited, Chennai.</i>	15	14,200/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>U.E. Press Tools, Chennai.</i>	7	14,000/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Yamaha Private Limited, Chennai.</i>	8	15,000/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Matrix Engineering Solution, Coimbatore.</i>	4	14,000/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Feed Tech Industry, Chennai.</i>	2	15,000/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Borg Warner, Chennai</i>	7	15,000/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>TVS Training and Services, Chennai.</i>	8	13,800/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Lucas TVS, Pondichery.</i>	7	13,800/-	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Brakes India Private Limited, Chennai.</i>	15	15,050/-	<i>Subsidized Canteen, free Uniform and Transportation</i>

### Faculty Activities

#### Faculty Development Programmes

- *Mr.S.N.Rajan Senior Lecturer attended an one week Online FDP on “Resarch Opportunities in Electric Vehicle” organized by GCT, Coimbatore on 14.03.2022 to 18.03.2022 (One Week).*
- *Mr.M.Sakthivel Senior Lecturer attended Two weeks Online FDP on “Exploring the Fabrication Techniques, Characterization and Applications of Functional Materials” organized by GCT, Coimbatore on 13.06.2022 to 26.06.2022. (Two Weeks)*
- *Mr.M.Sakthivel Senior Lecturer attended an one week Online FDP on “Trends in CNC Machining and Metrology” organized by NITTR, Chennai on 18.07.2022 to 22.07.2022 (One Week)*



- Five of our faculty members attended a two days Online FDP on “Entrepreneurship and Startups” organized by PSG Polytechnic College, Coimbatore. State Project Coordination Unit DOTE, Chennai sponsored from 05.08.2022 to 06.08.2022(Two Days)

## Certificates of FDP Praticipation :



*D. Padmanaban / HOD*



*S.N. Rajan / Lecturer(SG)*



*M. Sakthivel / Lecturer*



*N. Lakshmiganesan / Lecturer*



*A.G. Sethu Lakshmanji / Lecturer*



*K.Nandhakumar / Lecturer*



*M.Muthupandi / Lecturer*

## **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:**

- Type the Subject Name for Apps and Dowload*
- Browse the Subject Matter (pdf)*
- Browse for Subject Videos*
- 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.*