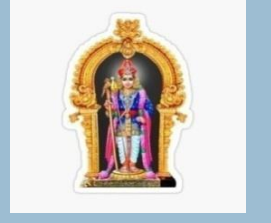




# APPC MECH TIMES



Arulmigu Palaniandavar Polytechnic College, Palani

Department of Mechanical Engineering

.அழுக்காறு உடையான்கண் ஆக்கம்போன்று இல்லை  
ஒழுக்கம் இலான்கண் உயர்வு. - திருக்குறள் (135)

The envious soul in life no rich increase of blessing gains, So man of due decorum void no dignity obtains.

பொறாமை உடையவனிடத்தில் ஆக்கம் இல்லாதவாறு போல  
ஒழுக்கம் இல்லாதவர் வாழ்க்கையில் உயர்வு இல்லை.

## 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(Sr.G)/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. V.Kavibalan, Final Year DME.</i></li></ul>

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

*I am glad that the Department of Mechanical Engineering is bringing out its fourth department newsletter successfully. The newsletter gives various activities carried out by the department to the benefit of students. I deeply appreciate the every member of this team for showing relentless effort for this news letter.*



*Dr.R.Kandasamy  
Principal*

### **Department Activities:**

#### **Guest Lecture :**

#### **Seminar on Training on Drawing Interpretation and Geometric Dimensioning and Tolerancing:**

**Resource Person:** Mr.P.Ayyasamy, Manager / Quality Assurance, Hi Texture Carbons, Coimbatore.

*This One day Seminar was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 04<sup>th</sup> August 2023. The objective of this programme was to give the knowledge about Drawing Interpretation, Geometric Dimensioning and Tolerancing for our Final year Mechanical Engineering Students.*



- Seminar on Training on Drawing Interpretation and Geometric Dimensioning and Tolerancing for Final Year Students by Mr.P.Ayyasamy, Manager / Quality Assurance, Hi Texture Carbons, Coimbatore.

#### **Entrepreneurship Awareness and Innovation :**

**Resource Person:** Mr.S.Kumaramurugan, M.E.,M.I.E.S.T.E., Senior Lecturer / Mech, Lakshmi Ammal Polytechnic College, Kovilpatti.

*This One day program was organized by the Department of Mechanical Engineering and Information Technology of Arulmigu Palaniandavar Polytechnic College on 13<sup>th</sup> March 2023. The objective of this program was to give the knowledge about What is entrepreneurship, What are the qualities needed for entrepreneur, How to become a successful entrepreneur and gave the some motivational message for our Final year Mechanical Engineering Students.*



- **Entrepreneurship Awareness and Innovation Program for Final Year Students by Mr.S.Kumaramurugan, M.E.,M.I.E.S.T.E., Senior Lecturer / Mech, Lakshmi Ammal Polytechnic College, Kovilpatti.**

### **Industrial Automation and Concepts Behind Industry 4.0 :**

**Resource Person:** R.Sasikumar, Assistant Manager, Didactic Initiative Janatics India Pvt Ltd., Coimbatore.



- **Seminar on Industrial automation and concepts behind Industry 4.0 for II year & Final Year Students by Mr. R.Sasikumar, Assistant Manager, Didactic Initiative Janatics India Pvt Ltd., Coimbatore.**

*This One day program was organized by the Department of Mechanical Engineering and Information Technology of Arulmigu Palaniandavar Polytechnic College on 16<sup>th</sup> March 2023. The objective of this programme was to share the knowledge about Industrial automation and concepts of industry 4.0 and need for industrial automation and various components under automation and it's selection for our II year & III year Mechanical Engineering Students.*



## **Department Activities:**

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

The exhibition was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 13<sup>th</sup> April 2023. 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.



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

### **Placement and Training Division :**



- **M/S Lakshmi Machine Works Pvt Ltd., Coimbatore conducted a placement drive for Mechanical Engineering final year students.**

M/S Lakshmi Machine Works Pvt Ltd., Coimbatore Conducted a placement drive for our final year students and selected suitable candidates for their company. The Program was organized by the Placement and Training Division of Arulmigu Palaniandavar Polytechnic College for Mechanical Engineering Final Year Students on 18<sup>th</sup> February 2023. The program was inaugurated by College Principal Dr.R.Kandasamy, and Head of the Department of Mechanical Engineering Mr.D.Padmanaban and Placement & Training Division officer Mr.M.Sakthivel were present.



- **M/S Gaura Electric Vehicles Pvt Ltd., Thalayam conducted a placement drive for Mechanical Engineering final year students.**

*M/S Gaura Electric Vehicles pvt ltd., Thalayam Conducted a placement drive for our final year students and selected suitable candidates for their company. The Program was organized by the Placement and Training Division of Arulmigu Palaniandavar Polytechnic College for Mechanical Engineering Final Year Students on 27<sup>th</sup> Feburary 2023. The program was inagurated by College Principal Dr.R.Kandasamy, and Head of the Department of Mechanical Engineering Mr.D.Padmanaban and Placement & Training Division officer Mr.M.Sakthivel were present.*

## **Social Activities :**

### **Yoga Day :**

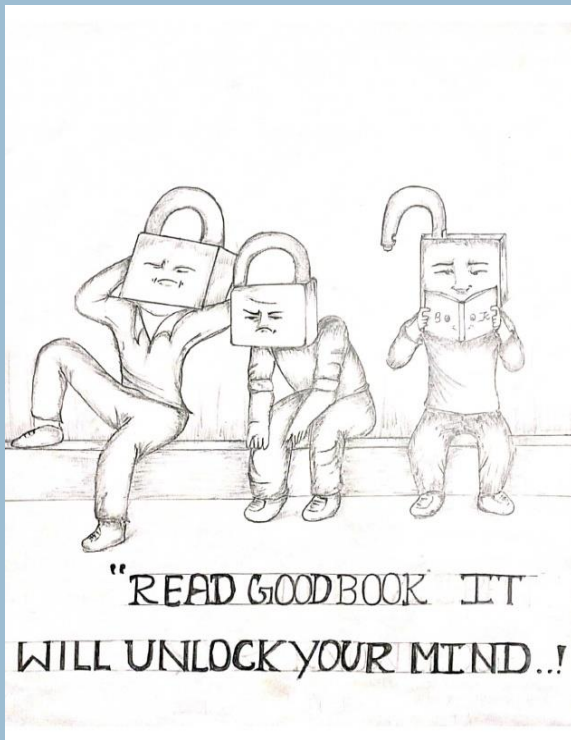
*The Yoga day was celebrated on 12<sup>th</sup> March 2023. Thiru.Murugan, Yogacharya taught the students some important Asanas and gave lecture demonstration to the students. This event was inagurated by college Principal Dr.R.Kandasamy, and Head of the Department of Mechanical Engineering Mr.D.Padmanaban, and Mechanical Engineering students participated in the event and they got awareness about the benefits of yoga in day to day life. The arrangement for the event made by Mrs.Rajalakshmi, NSS Officer of the college.*



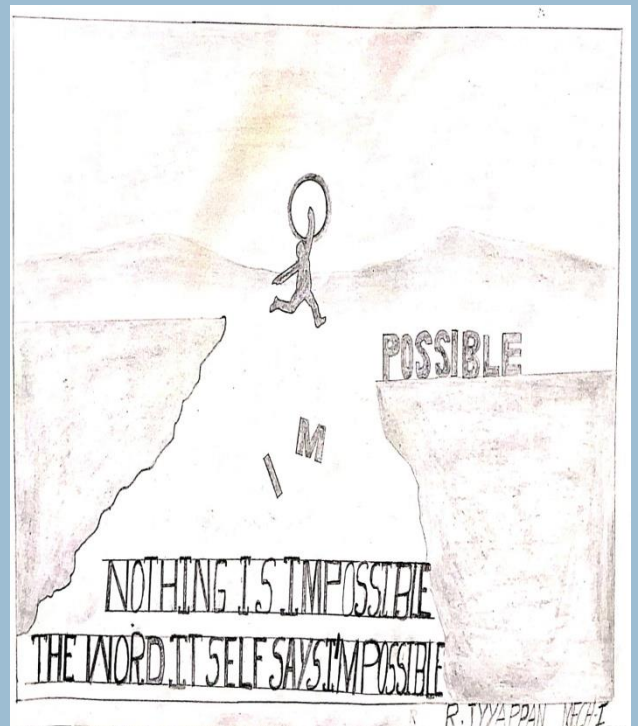
- **Yoga day celebrated in Our College and the activity was guided by Thiru.Murugan, Yogacharya**



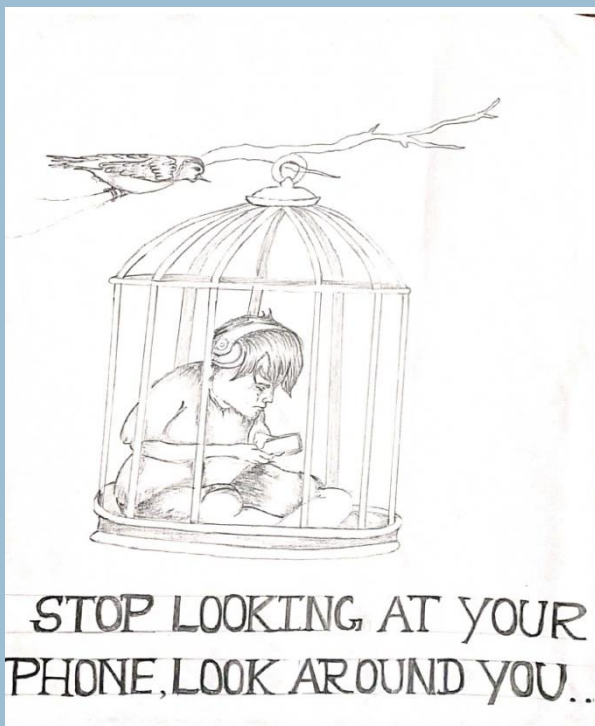
Student Activities :



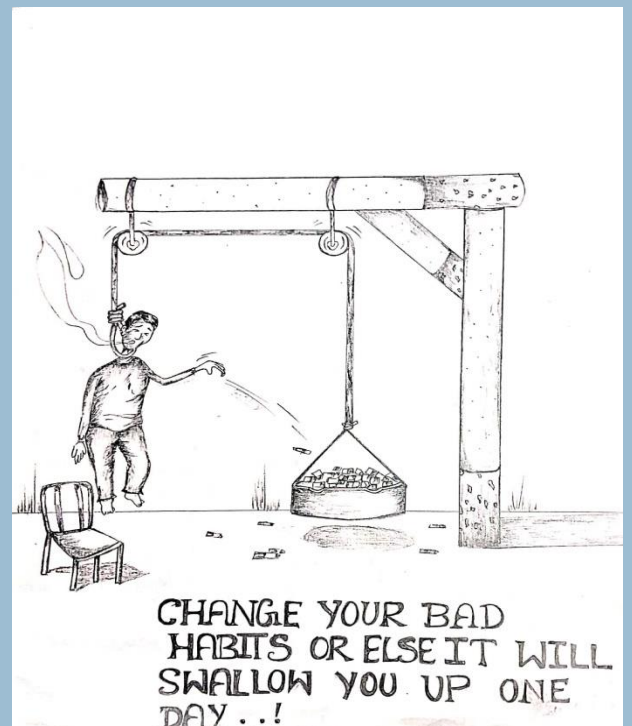
R.Poobalan / II Year



R.Iyyappan / I Year



P.Ramesh / II Year



V.Sivakabilan / II Year

**ABBREVIATIONS ON BANKING SECTOR**

Qn No.	Questions	Answers
1	What is ATM ?	Automated Teller Machine (ATM)
2	What is OTP?	One Time Password (OTP)
3	What is PIN?	Personal Identification Number (PIN)
4	What is MICR ?	Magnetic Ink Character Recognition Technology(MICR)
5	What is CIF?	Customer Information File (CIF)
6	What is MOD?	Multi Option Deposit (MOD)
7	What is IFSC?	Indian Financial System Code (IFSC)
8	What is RTGS ?	Real Time Gross Settlement (RTGS)
9	What is NEFT ?	National Electronic Fund Transfer (NEFT)
10	What is IMPS ?	Immediate Payment Service (IMPS)

Prepared by,  
M.ARUNKUMAR

*M.Arunkumar / II Year*



- *E.Muneeshwaran III Year Mechanical Engineering Student participated in Tree Planting event and received the Certificate from Thiru.N.Natarajan Joint Commissioner / Executive Officer of Arulmigu Dhandayuthapani Swamy Thirukovil, Palani.*



- *I.Zaheer Khan, III Year Mechanical Engineering Student participated in Tree Planting event and received the Certificate from Thiru.N.Natarajan Joint Commissioner / Executive Officer of Arulmigu Dhandayuthapani Swamy Thirukovil, Palani.*



- *K.Sapthaharivasan, III Year Mechanical Engineering Student participated in Paper Presentation at Sakthi Polytechnic College, Sakthi Nagar.*



## Faculty Activities

### Faculty Development Programs:

- *Mr.S.N.Rajan Senior Lecturer attended an two days Online FDP on “Enhancing Soft Skills and Personality” organized by NPA Centenary Polytechnic College, Kotagiri on 30.03.2023 to 31.03.2023 .*
- *Mr.N.Lakshmiganesan Lecturer attended an two days Online FDP on “Enhancing Soft Skills and Personality” organized by NPA Centenary Polytechnic College, Kotagiri on 30.03.2023 to 31.03.2023 .*
- *Mr.K.Nandhakumar Lecturer attended an two days Online FDP on “Enhancing Soft Skills and Personality” organized by NPA Centenary Polytechnic College, Kotagiri on 30.03.2023 to 31.03.2023 .*

### Consolidated Placement List for the Academic Year 2022 – 2023

<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>	<i>19</i>	<i>15,000/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>PCA Automobiles India Pvt Ltd.,</i>	<i>07</i>	<i>14,200/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Yamaha Private Limited, Chennai.</i>	<i>27</i>	<i>14,000/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Matrix Engineering Solution, Coimbatore.</i>	<i>05</i>	<i>14,000/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>Gaura Electric Vehicle Pvt Ltd.,Palani</i>	<i>04</i>	<i>12,000/-</i>	<i>Subsidize Canteen, free Uniform and Transportation</i>
<i>Lakshmi Machine Works, Coimbatore.</i>	<i>45</i>	<i>15,500/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</i>
<i>JS Auto Cast Foundry India Pvt Ltd., Coimbatore.</i>	<i>28</i>	<i>18,000/-</i>	<i>Subsidized Canteen, free Uniform and Transportation</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. Digital Library:**

*Students shall be asked to register in the National Digital Library portal for Online learning. Registered students can use the Resources of NDLI.*

#### **2. 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.*

#### **3. 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.*

#### **4. Study WEBS of Active – Learning for Young Aspiring Minds (SWAYAM):**

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

#### **5. 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.*

#### **6. Google Play Store:**

*a) Type the Subject Name for Apps and Dowload*

*b) Browse the Subject Matter (pdf)*

*c) Browse for Subject Videos*

*d) After learning, go for online Tests.*

***“Improve Knowledge and Skills  
through  
Online Learning Resources”***

**\*\*\*\*\***