



APPC MECH TIMES



Arulmigu Palaniandavar Polytechnic College, Palani

Department of Mechanical Engineering

நன்றிக்கு வித்தாகும் நல்லொழுக்கம் தீயொழுக்கம்
என்றும் இடும்பை தரும். - திருக்குறள் (138)

'Decorum true' observed a seed of good will be; 'Decorum's breach' will
sorrow yield eternally.

நல்லொழுக்கம் இன்பமான இல்வாழ்க்கைக்கு காரணமாக
இருக்கும்; தீயொழுக்கம் எப்போதும் துன்பத்தைக் கொடுக்கும்.

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">• <i>Mr. S.N.Rajan, Lecturer(SG)/Mech.</i>• <i>Mr. M.Sakthivel, Lecturer(Sr.G)/Mech.</i>• <i>Mr. N.Lakshmiganesan, Lecturer/Mech.</i>• <i>Mr. A.G.Sethulakshmanji, Lecturer/Mech.</i>• <i>Mr. K.Nandhakumar, Lecturer/Mech.</i>• <i>Mr. M.Muthupandi, Lecturer/Mech.</i>• <i>Mr. K.Sabapathi, Final Year DME.</i>

<i>Inside this issue</i>	
<i>Department Activities</i>	<i>03</i>
<i>Guest Lecture</i>	<i>03</i>
<i>Student Activities</i>	<i>07</i>
<i>Social Activities</i>	<i>01</i>
<i>Faculty Activities</i>	<i>03</i>

From Principal's Desk:

My congratulations to the Department of Mechanical Engineering team who took the responsibility to bring out its fifth department newsletter successfully. The newsletter gives various activities carried out by the department to the benefits of students and also develops sense belonging to the institution as well. I deeply appreciate the every member in this team for showing noteworthy effort to develop this news letter.



*Dr.R.Kandasamy
Principal*

Department Activities:

Guest Lecture :

Expert talk in “Advances in Bulk Deformation Processes”:

Resource Person: *Mr.S.Radhakrishnan (Alumni of our Institution), Managing Director, Deepa Pressure Diecast Products, Coimbatore.*

This One day Expert talk was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College, Palani on 04th September 2023. The objective of this programme was to give the knowledge about Advances in bulk deformation processes and Importance of 5s for our Second year Mechanical Engineering Students.



- *Expert talk in Advances in Bulk Deformation Processes for Final Year Students by Mr.S.Radhakrishnan (Alumni of our Institution), Managing Director, Deepa Pressure Diecast Products, Coimbatore.*

Career Guidance Programme for Second Year Students :

Resource Person: *Er.D.Nagendiran, M.E., M.I.S.T.E., Principal (Retd.), VSVN Polytechnic College, Virudhunagar.*

*This Career Guidance Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College, Palani on 12th September 2023 Forenoon session. The objective of this programme was to give the knowledge about what is the importance of time management and how to manage the time for their successful career to **Second year Students.***



- **Career Guidance Programme for second Year Students by Er.D.Nagendiran M.E., M.I.S.T.E., Principal (Retd.), VSVN Polytechnic College, Virudhunagar.**

Career Guidance Programme for Final Year Students :



- **Career Guidance Programme for Final Year Students by Er.D.Nagendiran M.E., M.I.S.T.E., Principal (Retd.), VSVN Polytechnic College, Virudhunagar.**

Resource Person: Er.D.Nagendiran, M.E., M.I.S.T.E., Principal (Retd.), VSVN Polytechnic College, Virudhunagar.

This Career Guidance Programme was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on 12th September 2023 Afternoon session. The objective of this programme was to give the knowledge about what is Savings? and importance of Savings in day today life and give some guidelines about the

*investment for their successful career for **Final year Students.***

Industrial Visit for Final Year Students :

One day industrial visit to **Lakshmi Machine Works Limited, Unit-2, Kaniyur, Coimbatore.** was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on **19th August 2023.** Students visited the factory to see the Textile machinery division, Foundry division and Machine tool division. The objective of this programme was, to give the industrial exposure to our students.



- **Industrial Visit to Lakshmi Machine Works Limited, Unit-2, Kaniyur, Coimbatore for Final year students.**

Industrial Visit for Second Year Students :



- **Industrial Visit to TANSI Fabrication Works, Palani for Second year students.**

One day industrial visit to **TANSI Fabrication works, Palani** was organized by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College on **31st August 2023.** Students visited the factory to see the machines used in sheet metal work. The objective of this programme was, to give the industrial exposure to our students.

Parents Meeting Conducted For II & III Year Students :

This Parents meeting was organised by the Department of Mechanical Engineering of Arulmigu Palaniandavar Polytechnic College, Palani on 16th August 2023. The objective of this programme was to give the awareness about Importance and values of the technical education and how to improve student learning and what are the activities are follow up in home regularly for their successful career.



- **Parents Meeting conducted for II & III year Students.**

Social Activities :

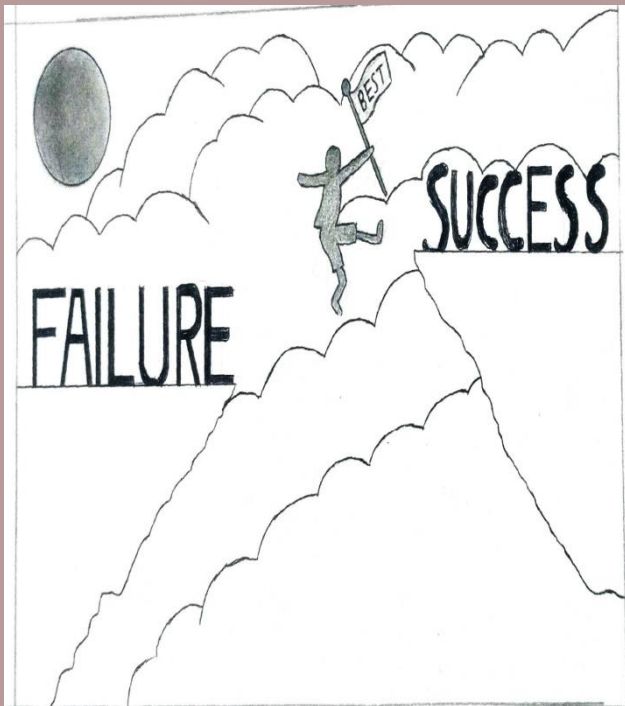
Eye Donation Awareness Camp :



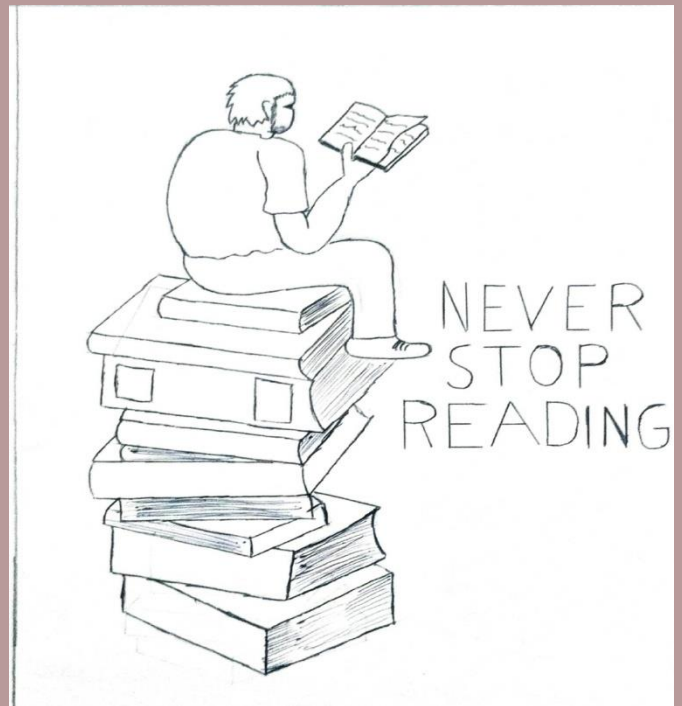
- **Eye donation awareness camp conducted in Our College.**

This Camp was conducted on 26th September 2023. In this event some Lions club members are participated and give the awareness about the eye donation to the students . This event was inaugurated 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 and importance about the Eye donation in human life. The arrangement for the event made by Selvi.P.Mahendri, NSS Officer of the college.

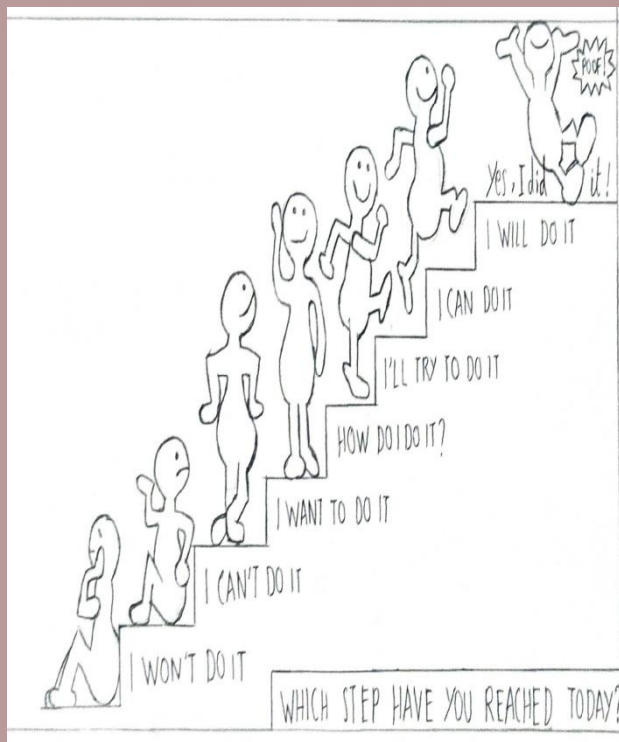
Students Activities :



M.Gokulanand / II Year



A.Sivabalamurugan / II Year



G.Sudharsan / II Year



- **N.Chandru, III Year Mechanical Engineering**
Student participated in Drawing Competition and received the Certificate from **Thiru.D.Padmanaban, Head of the department of Mechanical Engineering, Arulmigu Palaniandavar Polytechnic College, Palani.**



Muthamizharingar Kalaingar Noottrandu Vizha celebrated in Dindigul. This event conducted by ruling party of our state. Arulmigu Palaniandavar Polytechnic College, Palani students are participated in speech competition. In this event Mr.I.P.Senthilkumar, M.L.A., Palani participated and also present the certificates and awards to the winning participants. Our college Department of Mechanical Engineering students Selvan.M.Sabarinathan / II Year got the first prize and Selvan.V.Latheeswaran / III Year got the third prize.



• ***R.Poobalan, III Year Mechanical Engineering Student participated in Drawing Competition and won 1st prize and also received the Certificate from Dr.R.Kandasamy, Principal, Arulmigu Palaniandavar Polytechnic College, Palani.***

ABBREVIATIONS RELATED TO ENGINEERING EDUCATION

SLNo	Abbreviation	Full Form
1	B.E	Bachelor of Engineering
2	B.Tech	Bachelor of Technology
3	M.E	Master of Engineering
4	M.Tech	Master of Technology
5	PhD	Doctor of Philosophy
6	GATE	Graduate Aptitude Test in Engineering
7	AICTE	All India Council for Technical Education
8	NBA	National Board of Accreditation
9	NITTR	National Institute of Technical Teachers' Training and Research
10	IIT	Indian Institute of Technology
11	NIT	National Institute of Technology
12	IIIT	Indian Institute of Information Technology
13	BITS	Birla Institute of Technology and Science
14	IISc	Indian Institute of Science
15	NID	National Institute of Design

Prepared by,
K.Sabapathi / III Year

K.Sabapathi / III Year

Faculty Activities

Faculty Development Programs:

- *Mr.M.Sakthivel, Senior Lecturer attended a Five days Online FDP on “Evaluation and Designing Question Paper” organized by NITTTR, Kolkata on 04.09.2023 to 08.09.2023 .*



- *Mr.A.G.Sethu Lakshmanji, Lecturer attended a Five days Online FDP on “Evaluation and Designing Question Paper” organized by NITTTR, Kolkata on 04.09.2023 to 08.09.2023 .*

- *Mr.M.Muthupandi, Lecturer attended a Five days Online FDP on “Industry 4.0 compatible Robotics and Automation” organized by Thiagarajar College of Engineering, Madurai on 21.08.2023 to 25.08.2023 .*



Motivational Quotes :



The role of a leader is not to come up with all the great ideas. The role of a leader is to create an environment in which great ideas can happen.

Simon Sinek

“INTEGRITY IS DOING THE RIGHT THING EVEN WHEN NO ONE IS WATCHING.”

-C.S Lewis



**WHEN YOU BECOME A
LEADER, YOU MUST
TRANSITION FROM BEING
RESPONSIBLE FOR THE JOB,
TO BEING RESPONSIBLE FOR
THE PEOPLE WHO ARE
RESPONSIBLE FOR THE JOB.**

SIMON SINEK

**"Education is the most powerful
weapon which you can use to change
the world."**

Nelson Mandela



**I will success in life
not immediately
but definitely.**



CountryLiving

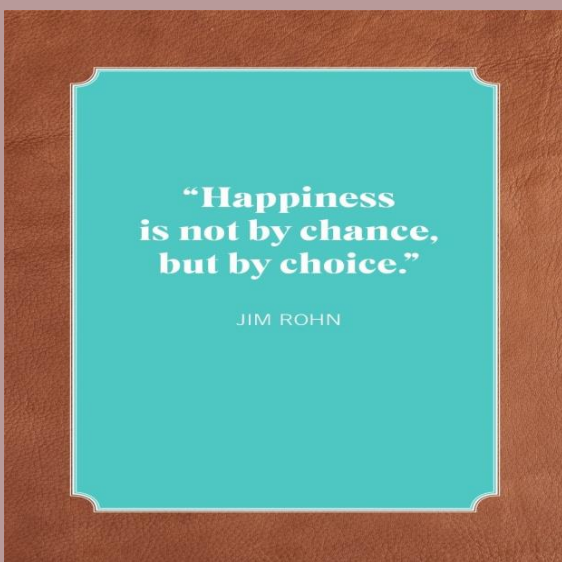
**"Your positive action
combined with
positive thinking
results in success."**

—SHIV KHERA



**"Happiness
is not by chance,
but by choice."**

JIM ROHN



**"Success is a
journey not
a destination."**

— Ben Sweetland



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”***
