

PERI

INSTITUTE OF TECHNOLOGY

Volume 7

MECH CRUIZ 23

PERI ASSOCIATION OF MECHANICAL ENGINEERING

PERI

INSTITUTE OF TECHNOLOGY OUR COLLEGE

The PERI Educational and Charitable Trust was founded in 2007. The vision of the trust is to provide a world class nodal center of education where academics, communication, comprehension, visualization, practical application and leadership skills are imparted through encouraging research, training and development in technical and non-technical areas.

As part of its vision, the trust established PERI Institute of Technology in 2010 with B.E. courses in Mechanical, Civil, Computers and EEE. In 2011, B.E. ECE was introduced. M.E. Applied Electronics and M.E. Computer Science were added in 2012. M.E. Power Electronics & Drives and M.E. Communication Systems were introduced in 2014.

PERI IT is the brainchild of **Mr. Saravanan Periasamy**, the founding President & CEO of PERI Software Solutions Inc., a leading multinational IT Consulting and Services Company based in USA and the Chairman of the PERI Educational and Charitable Trust. He is the source of inspiration and the pathfinder for this institution.

OUR DEPARTMENT

Mechanical Engineering is one of the largest, broadest and oldest engineering disciplines. It finds its application in every branch of industry including aerospace, manufacturing, automotive, building systems, energy, chemical and high-technology sectors. Because of the breadth of the field, there is always a steady demand for mechanical engineers who create the processes and systems that drive technology and industry.



MEET OUR CHAIRMAN

MR. SARAVANAN PERIASAMY

CHAIRMAN, PERI INSTITUTE OF TECHNOLOGY &
CEO, PERI SOFTWARE SOLUTIONS INC., U.S.A.

Mr. Saravanan Periasamy has over 15 years of experience in the fields of IT, business development, team building and management. He has an engineering degree in Electrical Electronics and a Masters Degree in Computer Science from U.S. He is primarily responsible for providing direction and vision to PERIIT.

"I am proud to have students from Mechanical engineering department to come up with such a good collection of information. I would like to encourage them to continue their good work."

C H A I R M A N ' S M E S S A G E



COO'S MESSAGE

**Mr.SASIKUMAR
VEERARAJAN**

COO, PERI INSTITUTE OF TECHNOLOGY

It is I congratulate all the students Who have Put their effort in bringing Forth This newsletter of their department and also I like to congratulate all the faculty members for motivating their students towards this Fulfillment.

I am very happy to know that Mechanical department comes up with their newsletter.

Its first of its kind in PERI IT.

This forum will offer opportunity to students to exchange their idea and views. I congratulate the whole team for their effort in release of newsletter.



PRINCIPAL'S MESSAGE

Dr.R.PALSON KENNEDY

PRINCIPAL, PERI INSTITUTE OF
TECHNOLOGY

WEBINAR SERIES

PERI
INSTITUTE OF TECHNOLOGY

17 FEB 2023
3 PM

SEMINAR ON
"REVERSE ENGINEERING
AND GBT APPLICATION"



Resource Person:
Mr. C. MURUGAN
Technical Manager
Sri Lanka Government, Sri Lanka Army

Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

SEMINAR CONTACT:
91000 94111 / 222 | www.peri.education | info@peri.education

PERI Knowledge Park, Maruthakulam, Chennai - 600048

PERI
INSTITUTE OF TECHNOLOGY

23 FEB 2023
5.30 AM

INAUGURATION OF
MECHANICAL ENGINEERING ASSOCIATION



Resource Person:
Mr. G. ASHOK KUMAR
Principal, Tamil Nadu Sahitya Akademi, Chennai

Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

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17 FEB 2023
3 PM

SEMINAR FOR RESEARCH AND DEVELOPMENT
"FACULTY INNOVATION CONTEST"



Resource Person:
Dr. S. A. MONTY
Principal, Sri Lanka Army, Sri Lanka Army, Sri Lanka Army

Resource Person:
Dr. S. ASHWIN
Principal, Sri Lanka Army, Sri Lanka Army, Sri Lanka Army

Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

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18 FEB 2023
3 PM

DEPARTMENT OF MECHANICAL ENGINEERING
SEMINAR ON
"HOW TO BE READY FOR POST
PANDEMIC INDUSTRIAL DISRUPTION"



Resource Person:
Mr. NATARAJ ADORA
Founder & CEO
The Indian Space Forum

Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

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PERI
INSTITUTE OF TECHNOLOGY

7 MAR 2023
8.30 AM

PERI EDC AND INSTITUTIONS INNOVATION COUNCIL
ORGANIZES
"PERIsta-2023"
EXPERIENCE THE BUSINESS
IN CAMPUS
(BY PERI ITC STUDENTS)
ON
07-03-2023 & 08-03-2023



Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

SEMINAR CONTACT:
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PERI
INSTITUTE OF TECHNOLOGY

23 FEB 2023
3 PM

DEPARTMENT OF MECHANICAL ENGINEERING
SEMINAR ON
"3D PRINTING"



Resource Person:
Mr. S. JEGATHISH
Principal, Sri Lanka Army, Sri Lanka Army, Sri Lanka Army

Dr. S. PALSON KENNEDY (Principal) | Mr. S. HASEESH (Vice Principal) | Mr. ANIL KUNING (Vice Principal)

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MECH EVENTS

PERI
INSTITUTE OF TECHNOLOGY

20th
March
2K23

Organized by
DEPARTMENT OF MECHANICAL & CIVIL ENGINEERING

BEST OUT OF WASTE - 2K23

Registration Link : <https://forms.gle/NHeu2Jq7RzZcbdV2A>

Last Date for Registration : 19-0-2023

Event Co-ordinator
Mr. D. Prabhakaran, AP/Mech
+91 9566996573

REGISTRATION FREE

PERI
INSTITUTE OF TECHNOLOGY

18 March
2K23

Organized by
DEPARTMENT OF MECHANICAL & CIVIL
ENGINEERING

CLASH OF MIND Quiz Bee Competition

SCAN QR

Registration Link: <https://forms.gle/PATFzyBwKChw dRzt5>

Last Date for Registration : 17-03-2023

Dr. R PALSON KENNEDY
Principal

Mr. B MAGESH
Vice- Principal

Mr. ANIL KUMAR
HOD/Mech

Mr. D. PRABHAKARAN
Event Co-ordinator

PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL & CIVIL ENGINEERING
ORGANIZES

TECH TALK 2023 (VIRTUAL)

WIN ATTRACTIVE PRIZES

Participation: ALL ENGINEERING DEPARTMENT
Registration Link: <https://forms.gle/8Wtut8t8Wg0d>

Registration Free

Last Date for Registration: 13-03-2023
Event Announcement on: 16-03-2023

TOPICS

- DIGITAL TRUST ➤ ENTREPRENEURSHIP IN INDIA
- INTERNET OF THINGS ➤ ARTIFICIAL INTELLIGENCE ➤ ELECTRIC VEHICLES
- 3D - PRINTING & ITS APPLICATIONS ➤ MACHINE LEARNING ➤ AUTOMATION & ROBOTICS
- QUANTUM PHYSICS ➤ AGRICULTURE & ORGANIC FARMING ➤ GREEN BUILDINGS
- NANO - TECHNOLOGY ➤ ARCHITECTURE ➤ NEW ENERGY SOURCE ➤ SMART DEVICE

EVENT CO-ORDINATOR
Mr. D. PRABHAKARAN
AP/Mech
+91 9566996573

STUDENTS CO-ORDINATORS
Mr. G. RAJESH
B/Mech
+91 7709315852

PERI
INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL & CIVIL ENGINEERING
ORGANIZES

TECH TONIC-2K23

Participation: ALL ENGINEERING DEPARTMENT
Registration Link: <https://forms.gle/8Wtut8t8Wg0d>

Registration Free

Last Date for Registration: 30-03-2023
Event Announcement on: 31-03-2023

TOPICS

- DRAWING ➤ LOGO IDENTIFICATION ➤ IMAGE IDENTIFICATION ➤ SPEAK UP WITH TECHNICAL PROOF

EVENT CO-ORDINATOR
Mr. D. PRABHAKARAN
Assistant Professor / Mech
+91 9566996573

ADMISSION CONTACT:
01503 94111 / 222

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admissions@peri.education

DEPARTMENT OF MECHANICAL ORGANISE MECHAZORDZ

PERI INSTITUTE OF TECHNOLOGY
PERI KNOWLEDGE PARK, MANNIVAKKAM, CHENNAI - 600048
DEPARTMENT OF MECHANICAL ENGINEERING
PROUDLY PRESENTS
MECHAZORDZ **28 APRIL**

TECHNICAL EVENTS
PAPER PRESENTATION
CAD MODELING
TECH QUIZ

NON-TECHNICAL EVENTS
CONNEXION
BOX CRICKET
FREEFIRE
PHOTOGRAPHY

FREE REGISTRATION
(COMMON FOR ALL DEPARTMENTS)

STAFF Co-ordinator
DR.RAJASATHYA MOORTHY
ASSISTANT PROFESSOR
MECHANICAL

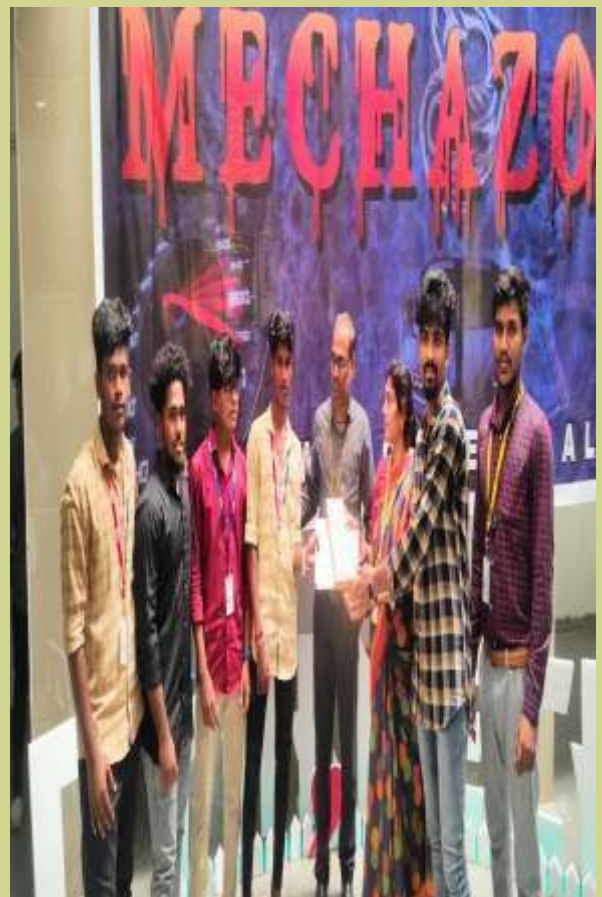
STUDENT Co-ordinator
MR.C.ARUN - 8939788433
FINAL YEAR MECHANICAL

WIN EXCLUSIVE PRIZES
prime video NETFLIX hotstar

NO ENTRY FEE FOR EVENTS EXCEPT BOX CRICKET



MECHAZORDZ



INTERNATIONAL CONFERENCE ON CORE ENGINEERING & TECHNOLOGY (ICCET-2K23)



INDUSTRIAL VISITS

MADRAS ENGINEERING INDUSTRIES



INDUSTRIAL VISITS

R J ENTERPRISES



INDUSTRIAL VISITS



INDUSTRIAL VISITS

PRIME AUTOMOTIVE PVT LTD



FIELD VISITS

PERI
INSTITUTE OF TECHNOLOGY

► DEPARTMENT OF MECHANICAL ENGINEERING



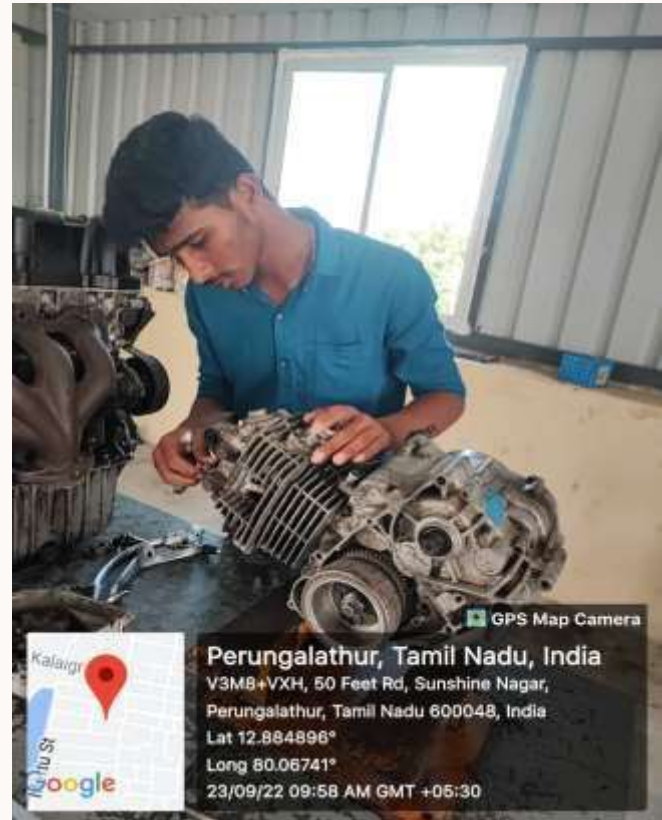
Field Visit on 01-04-2023

Department of Mechanical organized field visit to 3rd year students

FIELD VISITS



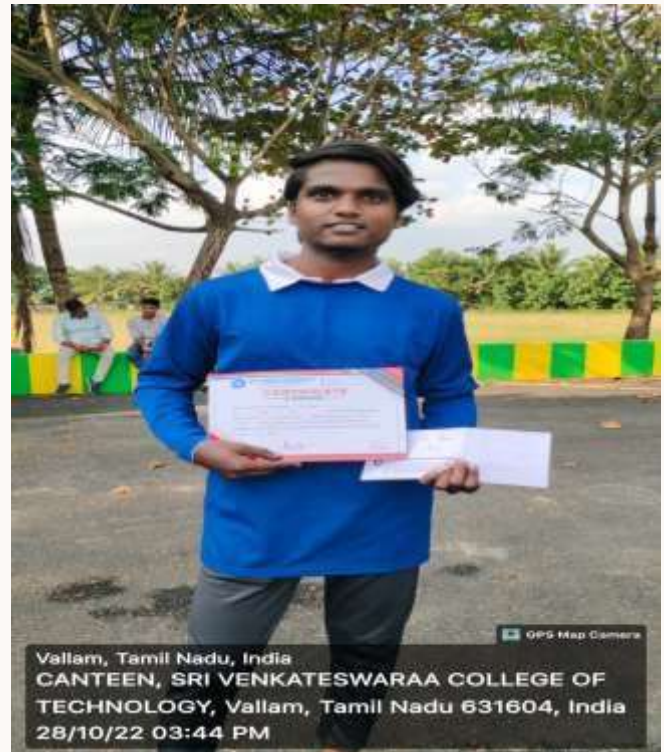
WORK SHOP'S



WORK SHOP'S



STUDENT'S ACHIEVEMENTS



STUDENT'S ACHIEVEMENTS

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ABINESH NR
for successfully completing the course

Manufacturing Automation

with a consolidated score of **77 %**

Online Assignments	20/25	Proctored Exam	57/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: 141

Prof. B. V. Raghav Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Feb 2023
(4 week course)

Prof. Satyaki Roy
NPTL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTL23M16254437606 To validate the certificate No. of credits recommended: 1 or 2

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RAJESH G
for successfully completing the course

Manufacturing Automation

with a consolidated score of **63 %**

Online Assignments	16.67/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: 141

Prof. B. V. Raghav Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

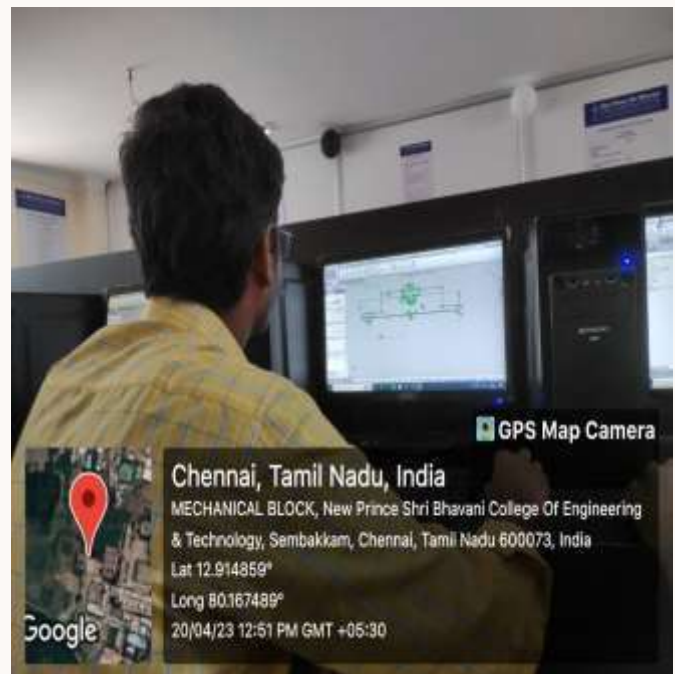
Jan-Feb 2023
(4 week course)

Prof. Satyaki Roy
NPTL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTL23ME62534850348 To validate the certificate No. of credits recommended: 1 or 2



ACHIEVEMENTS

Successfully completed the internship 2k23

1. **Rajesh G, MTAB Technology Center Private Limited**
2. **Tamil Selvan V, MTAB Technology Center Private Limited**

Qualify in GATE Exam

Faculty got **GATE** Qualified



MR. R.SIVAKUMAR,
AP/MECH
Score-34

Student got **GATE** Qualified



JEGATHISH K
(IV – YEAR)
Score-36

ACHIEVEMENTS



Academic & Research Conclave

MSME Registration No: UDYAM-TN-03-01015425
Coimbatore, Tamilnadu, India.

Membership Certificate

Membership ID: ARC10662

Anil Kumar

Asst Prof

Mechanical

PERI IT

has been admitted as **Life Member** of
Academic & Research Conclave
from the Academic Year 2022 - 23.

Mr. B. Sudagar
Founder & Vice President



Mrs. Jayalakshmi
Founder & President

Date of Issue: 08/02/2023

RESEARCH AND DEVELOPMENT

OUTSTANDING ACHIEVEMENTS

DEDICATED RESEARCHERS OF 2023-24

PERI
INSTITUTE OF TECHNOLOGY
Celebrating the successful Researchers of 2023-24

	21 Dr.N.TAMILOLI No of Papers : 17 Book Chapter: 02 Books: 01 Patent: 01
	10 Dr.R.PALSON KENNEDY No of Papers : 04 Book Chapter: 02 Books: 04
	09 DR.P.SAMPATH No of Papers : 05 Book Chapter: 04
	08 Mr.B.MAGESH No of Papers : 02 Book Chapter: 03 Books: 02 Patent: 1
	08 Mr. V.SOUNTHARARASU No of Papers : 08
	06 MS.S.L.SREEDEVI No of Papers : 05 No of book Chapter : 01

Outstanding achievements of our
dedicated researchers at PERIIT
for the 2023-24 year

RESEARCH AND DEVELOPMENT

JOURNAL PUBLICATIONS

- **Ms.N.Thangam**, Assistant Professor, Civil Engineering published a paper titled “Comparative study on photo-Degradation of landfill leachate using TiO_2 doped Fe_2O_3 and Cu” in Iranian Journal of Science and Technology, Springer Link (SCI).
- **Dr.N.Tamiloli**, Professor, Mechanical Engineering published a paper titled “Comparative study on end milling process with single end cutting ” in International Research Journal of Engineering and Technology (UGC).
- **Dr.N.Tamiloli**, Professor, Mechanical Engineering published a paper titled “Study of coated milling using soft compute techniques” in International Research Journal of Engineering and Technology (UGC).

JOURNAL PUBLICATIONS

1. **Mr.B. Magesh, Vice Principal** published a research paper titled "Progress in the Development of Additive Manufacturing Techniques for Infrastructure Engineering" in Recent Patents on Engineering/ Bentham Science Publishers (**Scopus Indexed**) Journal.
2. **Dr.T.N. Balaji and Dr.K.S. Venkatesh**, Assistant Professors, Science and Humanities published a research paper titled "Bioavailability of Heavy Metals in soils and their Uptake by paddy (oryzasativum) - an Empirical study" in Tuijin/Jishu/Journal of propulsion Technology (**Scopus Indexed**) Journal.
3. **Dr.N. Tamiloli**, Professor, Mechanical Engineering published a research paper titled "Study of Design and Analysis for Novel Power Generator" in International Journal of All Research Education and Scientific Methods (IJARESM) (**UGC**) Journal.
4. **Dr.M. Rajagopal**, Professor, Mechanical Engineering published a research paper titled "Study of wear and Hardness tests on Heat treated Aluminium alloy" in International Journal for research engineering application & Management (**UGC**) Journal.

JOURNAL PUBLICATIONS

5. **Dr.M. Rajagopal**, Professor, Mechanical Engineering published a research paper titled "Design and fabrication of solar power coir spinning machine" in International Journal for research engineering application & Management (UGC) Journal.

6. **Dr. Raja Annamalai and Dr.K.S. Venkatesh**, Assistant Professors, Science and Humanities published a research paper titled "Mineralogical and Firing Temperature characteristics of Indian pottery samples from an archaeological site Thoppur, Thiruvannamalai District, Tamilnadu, Indian by Spectroscopic studies." in International Journal of research and Analytical reviews (IJRAR) (UGC) Journal.

7. **Dr.P. Yamuna**, Associate Professor, Electrical and Electronics Engineering published a research paper titled "Mobile Phone Detector Using Super Capacitor" in Solovyov Studies ISPU, (UGC) Journal.



JOURNAL PUBLICATIONS

1. **C.Lavanya , M. Pitchi Rajan (HoD) , Dr. G.Loganathan , N. Thangam**, Assistant Professors, Civil and Mechanical Engineering published a research paper titled "Design of sewage Treatment plant for PERI Education " in International Journal Of Innovative Research In Technology (UGC).
2. **G. Naga Subramanian**, Assistant Professor, Civil Engineering published a research paper titled "Analysis And Design Of Primary School Building" in International Journal Of Innovative Research In Technology (UGC).
3. **P.Dhilip Kumar, Anilkumar (HoD) , Assistant Professors Dr. N.Tamiloli**, Professor, Mechanical Engineering published a research paper titled "Review of Supply Chain Management and Logistics Study" in International Journal for Multidisciplinary Research(UGC).
4. **Anil Kumar (HoD), P. Dhilip Kumar, Dr. N. Tamiloli**, Professor, **V. Sountharasu**, Assistant Professors, Mechanical Engineering published a research paper titled "Machine Learning And Deep Learning: The Friction Stir Welding And Plasma Arc Welding Process" in International Journal of Scientific Development and Research (UGC).
5. **S.L.Sreedevi (HoD)**, Assistant Professor, Electrical and Electronics Engineering published a research paper titled "PV Fed SEPIC Converter for Grid Tied System with Ultra Capacitor" in International Journal of Advanced Trends in Engineering and Management (UGC).
6. **N. Thangam**, Assistant Professor, Civil Engineering published a research paper titled "Preparation and Characterization of Multiwalled Carbon Nanotubes Doped with Titanium Dioxide" in Indian Journal of Environmental Protection (UGC).

Getting your first job is an exciting time. Make the most of it and do your best.

Congratulations!



PLACEMENT ACHIEVEMENTS

PERI
INSTITUTE OF TECHNOLOGY



Congratulations!!

fp FORMOPLASTIC
FORMOPLASTIC

2024 BATCH

SALARY
PACKAGE

2.4
LAKHS /
ANNUM



SARANRAJS
Dept: MECH



TAMILSELVAN C
Dept: MECH

ADMISSION CONTACT:
 **91505 94111 / 222**

DEPARTMENT OF
MECH

 PERI Knowledge Park, Mannivakkam, Chennai - 600048

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EDITORIAL COMMITTEE

22



Mr.P.Dhilip Kumar - Publisher



Mr.G.Loganathan – Co- Publisher



Mr.Anil Kumar – Co- Publisher



Mr.P.Madhavan – Reporter



Mr.V.Soundarrasu – Reporter



THANK YOU