

June 2023 – Dec 2023



P.S.R. ENGINEERING COLLEGE

An Autonomous Institution (Approved by AICTE & Affiliated to Anna University, Chennai)

Accredited by NAAC and listed under 129(B) of the UGC Act, 1956.

An ISO 9001:2015 Certified Institution

Sivakasi – 626140, Tamilnadu, India

Department of Mechanical Engineering

Newsletter

June 2023 -December 2023



Vision

- To provide broad-based education and training in mechanical engineering and its applications to enable the graduates to meet the demands in a rapidly changing needs in industry, academia and society.
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Mission

- To impart high quality technical education and training that encompasses both theory and practices with human and social values
 - To equip the students to face tomorrows technology embedded global changes
 - To create, explore, and develop innovations in mechanical engineering research
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PROGRAMME SPECIFIC OUTCOMES OF B.E. MECHANICAL ENGINEERING:

Mechanical Engineering Graduates will be able to:

1. Apply the concepts of mathematics and science in mechanical systems.
 2. Design and analyze components and systems for mechanical engineering applications
 3. Synthesis data and technical concepts for application to mechanical engineering software.
 4. Apply manufacturing and management practices in industries.
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FACULTY CORNER

Journal Publications

1. Paul, P. Ebenezer Sathish, and P. Pitchipoo. "Experimental investigation on the physicochemical properties of Terminalia catappa fiber." *Biomass Conversion and Biorefinery* (2023): 1-9.
2. Kumar, S. Senthil, T. S. Senthilkumar, P. Pitchipoo, Yagya Dutta Dwivedi, N. Nagaprasad, Kuldeep K. Saxena, S. Rathinavel, Sayed M. Eldin, and Krishnaraj Ramaswamy. "Grey relational analysis and surface texture analysis of Al-based metal matrix composites." *Journal of Materials Research and Technology* 24 (2023): 5372-5388.
3. Arunagiri, Ramathilagam, Pitchipoo Pandian, Valarmathi Krishnasamy, Ramani Ramasamy, and Rajakarunakaran Sivaprakasam. "Selection of browsers for smartphones: a fuzzy hybrid approach and machine learning technique." *Knowledge and Information Systems* 65, no. 5 (2023): 1963-1988.
4. Kumar, S. Senthil, R. Sudhakara Pandian, S. G. Ponnambalam, P. Pitchipoo, and T. S. Senthilkumar. "Investigation of Wear and Wire Electrical Discharge Machining Characteristics of Al-Mg-MoS₂." *Journal of Testing and Evaluation* 51, no. 2 (2023): 828-857.
5. Karthikeyan Ramiah and Pitchipoo Pandian, Effect of process parameters on the strength of ABS based FDM prototypes: novel machine learning based hybrid optimization technique, *Materials Research Express*, 10 025305, 2023/
6. Rajendran, Selvabharathi, Thirukumaran Manoharan, and Ramkumar Velayutham. "Mechanical and free vibrational analysis of silane functionalized aluminum stacked glass fiber/epoxy laminates." *The Journal of Adhesion* (2023): 1-22.
7. Selvabharathi, R., M. Sekar, and M. Thirukumaran. "Enhancement on the low-pressure shot peened process of monotonic plastic deformation behaviors of Ni-4Cu-3Mo alloy/super austenite stainless steel dissimilar joints using laser beam welding." *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering* (2023): 09544089231158601.
8. Thirukumaran Manoharan, Experimental and statistical evaluation of wear and friction behaviour on AA 7475/GFRP multi-stacked fibre metal laminates, *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, 237(1), pp. 199–209, 2023.

Faculty Participation in The FDP/STTP

S.No	Name of the Faculty	Title of the Program	Organized by	Duration
1.	Dr.H. Kanagasabapathy	Outcome Based Education and Essential AI Tools for Teachers	The Department of Mathematics, Chaudhary Charan Singh University, Meerut	14.12.2023 to 20.12.2023
2.	Dr. A.Muthiah	Life Skills Management & Innovative Teaching Strategies	National Institute of Technology Nagaland	04.03.2024 to 08.03.2024
3.	Dr. P. Amuthakkannan	Life Skills Management & Innovative Teaching Strategies	National Institute of Technology, Nagaland.	04.03.2024 to 08.03.2024
		Outcome Based Education and Application of Generative AI in Teaching and Research	Sri Padmavati Mahila Visvavidyalayam, Tirupa ti	18.03.2024 to 23.03.2024
4.	Dr.M.Thirukumaran	Instructional Design and Delivery Systems	PSR Engineering College, Sivakasi (NITTTR)	30.10.2023 to 03.11.2023
5.	Dr.P.Sivasamy	Instructional Design and Delivery Systems	PSR Engineering College, Sivakasi (NITTTR)	30.10.2023 to 03.11.2023
6.	Dr.D.Sundarrajan	3D Printing and Design Multi-Disciplinary Applications and Research Perspectives	Mepco Schlenk Engineering College	27.11.2023 to 02.12.2023
		Advances In Materials Technology for Next generation Manufacturing	Ballari institute of Technology & Managment	01.02.2024 to 05.02.2024
7.	Dr. T.Ganapathy	Application of Artificial intelligence Techniques in Mechanical Engineering Systems	Karunya institute of Technology and sciences	05.02.2024 to 09.02.2024
		Advances In Materials Technology for Next generation Manufacturing	Ballari institute of Technology & Managment	01.02.2024 to 05.02.2024

8.	Mr.G.Uthaya kumar	Emerging Technologies in Mechanical Engineering	Ramco Institute Of Technology,Rajapalaya m	17.07.2023 to 21.07.2023
9.	Mr. P.Raja	Instructional Design and Delivery Systems	PSR Engineering College, Sivakasi (NITTTR)	30.10.2023 to 03.11.2023
		Emerging Technologies in Mechanical Engineering	Ramco Institute Of Technology,Rajapalaya m	17.07.2023 to 21.07.2023
10	Mr.K.Karthik	Instructional Design and Delivery Systems	PSR Engineering College, Sivakasi (NITTTR)	30.10.2023 to 03.11.2023
11	Mr.Y.Kumarasamy	Technology Based Entrepreneurship Development Programme on Biotechnology	Kalasalingam Academy Of Research And Education	07.08.2023 to 01.09.2023
		Cutting Edge Developments and Research Frontiers in Mechanical Engineering	SRM Madurai College For Engineering and Technology,Madurai	04.12.2023 to 09.12.2023
		Advanced Modelling and Simulations For Engineers	National Institute Of Technology Puducherry, Karaikkal	18.12.2023 to 22.12.2023
12	Mr.K.Muthusamy	Cutting Edge Developments and Research Frontiers in Mechanical Engineering	SRM Madurai College For Engineering and Technology, Madurai	04.12.2023 to 09.12.2023
		Advanced Modelling and Simulations For Engineers	National Institute Of Technology Puducherry, Karaikkal	18.12.2023 to 22.12.2023
13	Mr.P.Durkaieswaran	Cutting Edge Developments and Research Frontiers in Mechanical Engineering	SRM Madurai College For Engineering and Technology, Madurai	04.12.2023 to 09.12.2023
14	Mr.N.Gnanakumar	Instructional Design and Delivery Systems	PSR Engineering College, Sivakasi (NITTTR)	30.10.2023 to 03.11.2023


STUDENTS CORNER

Students Internship / Inplant Training

Sl.No	Roll No	Name of the student	Organization	Dates		
1	21LME57	Suresh Karthick J	JBM Auto Limited, Chengalpattu	22.12.2023 to 11.01.2024		
2	21ME027	Nalsanth Pradeep S	RUKO TECH, Kovilpatty	24.11.2023 to 07.12.2023		
3	22LME03	Arun Ayyathurai K				
4	21ME012	Kameeswaran S	Tamilnadu Cements Corporation, Alangulam	15.12.2023 to 22.12.2023		
5	21ME007	Dhamotharan P				
6	21LME23	Gowtham S	Arun Shree sakthi Engineering, Coimbatore	23.11.2023 to 22.12.2023		
7	20ME012	Hamesh V	Logskim Solutions Private Limited, Chennai	23.11.2023 to 22.12.2023		
8	20ME029	Ponhari K				
9	20ME002	Arul Rithic Rosan N				
10	20ME003	Bagalavan R				
11	20ME006	Chinnaselvam D				
12	20ME020	Maharaja K				
13	20ME016	Karthik V				
14	21LME22	Gowtham P				
15	20ME010	Gouberan M				
16	20ME009	Gopalsamy V				
17	20ME023	Munis V				
18	20ME011	Gowthaman N				
19	21LME02	Abishek Perumal K				
20	21LME03	Achutha Kannan B				
21	20ME025	Muthuganesan P				
22	20ME001	Aathithyabalan J				
23	21ME025	Muthupandian R			Tamilnadu Cements Corporation, Alangulam	29.11.2023 to 04.12.2023
24	21LME54	Subburaj P			Sree Ayyanar Spinning and Weaving Mills (P) Ltd, Mallanginar	02.12.2023 to 02.01.2024

Students Participations in Events

S.No	Roll No	Name of the student	Title	Organised by	Dates
1	22LME14	Venkatesh G	Science project title 'Fertilizer Spreader Machine' KALAM'24 Science Day 2024	Anna University Regional Campus, Tirunelveli	22.03.2024
2	22LME02	Abishek kumar M	Science project title 'Fertilizer Spreader Machine' KALAM'24 Science Day 2024	Anna University Regional Campus, Tirunelveli	22.03.2024
	21ME017	Logeswaran K	One day hands on Training - "Dismantling and Assembling of IC Engines	P.S.R Engineering College - SAEINDIA	31.01.2024
3	21ME021	Mathan Kumaran N	One day hands on Training - "Dismantling and Assembling of IC Engines	P.S.R Engineering College - SAEINDIA	31.01.2024
4	21ME021	Mathan Kumaran N	1st prize in the event CON-TRCTIX, ELECTROVISTA 2K24, National Level Technical Symposium	P.S.R Engineering College - ECE Department	09.02.2024
	21ME017	Logeswaran K	Paper Presentation-SYNERGY 2024	NIT, Trichy	08.03.2024
5	21ME021	Mathan Kumaran N	Paper Presentation-SYNERGY 2024	NIT, Trichy	08.03.2024
6	21ME021	Mathan Kumaran N	MECHMINO -SYNERGY 2024	NIT, Trichy	08.03.2024
	21ME017	Logeswaran K	MECHMINO -SYNERGY 2024	NIT, Trichy	08.03.2024



23-Dec-2023


TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Achuthakannan B** a Bon-fide Student of **P.S.R Engineering College, Sivakasi** from the department of **BE Mechanical** has successfully completed his One Month Internship in our Esteemed Client **"ZF Commercial Vehicle Control Systems India"** Chennai as Production Trainee for a period from **23rd November 16, 2023, to 22nd December, 2023.**

During the training period, he has been found sincere and hard working.



We wish him all success in his future endeavors.

[Signature]
Authorized Signatory



Logskim Solutions Private Limited
(Formerly known as Logskim Staffing Service Pvt. Ltd.)
Roop Emerald, New No: 45,2nd Floor, North Usman Road, Next to Maganlal Jewellers, T.Nagar, Chennai - 600 017. Ph No +91-44-2432 0035
www.logskim.com

Phone: 04562-271426, 271449 Fax: 04562 - 271435 E-Mail: tnccalcm@gmail.com

TAMILNADU CEMENTS CORPORATION LIMITED
(A Government of Tamilnadu Undertaking)
ALANGULAM WORKS

Tamilnadu Cements P.O., Pin Code: 626 127,(Via) Rajapalayam, Virudhunagar District
Corporate Office: 5th Floor, Aavin Illam, No.3A, Pasumpon Mutturamalingam Salai
Nandam, CHENNAI - 600 035. Web site: www.tnscem.com
CIN: 402001TN1976SGC007081 GST NO.33AABCT181917Z1

Ref. No.1735/PL-4/2023 Dated:04.12.2023

CERTIFICATE

This is to certify that **R.Muthupandian, 21ME025 III Yr B.E. Mechanical Engineering Student, P.S.R Engineering College, Sivakasi** had undergone Internship training in Tamil Nadu Cements Corporation Ltd., Alangulam Works for the period from 29.11.2023 to 04.12.2023.

During the above period his conduct and character are Good.

[Signature]
ASSISTANT MANAGER(P&A)

ARUN SHREE SAKTHI ENGINEERING

Mfrs. : Tea & Carbon Machinerles, Conveyor, Roller and Magnet, Machinery Spares
S.F.No. 115M, Site No. 5, Sakthi Colony, Vinayagapuram (North), Vilankurichi (Village), Saravenampatti (PO), Coimbatore - 641 035. Cell : 92444-11169, E-mail : arunssengg@rediffmail.com

Date: 23.12.2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.S.Gowtham**, a Bon-fide student of **P.S.R.Engineering College, Sivakasi** from department of **B.E. Mechanical** has successfully completed his one month internship in our concern as **"Machine Shop Trainee"** for a period from **23rd Nov. 2023 to 22nd Dec. 2023.**

During this training period, he has been found sincere and hard working.

We wish him all success in his future endeavors.

Yours Truly,
For **ARUN SHREE SAKTHI ENGINEERING,**
[Signature]
Proprietor.

GSTIN : 33BDKPM4654C1ZP

NET TRICKY SYNERGY 2024

POWERED BY
NET TRICKY
SYNERGY 2024
100 PERCENT
CERTIFICATION

CERTIFICATE OF PARTICIPATION

This is to certify that **Mr./Mrs. LOGESWARAN.K.** has participated in **PAPER PRESENTATION** event held on **08.08.2024** Synergy 2024 at NIT Trichy.

[Signature] Mr. Vignesh
Chairperson
Synergy '24

[Signature] Dr. Rajasekaran
Faculty Advisor
Synergy '24

[Signature] Mr. Jaya Kumar
Overall Coordinator
Synergy '24

June 2023 - Dec 2023

**Department of Mechanical Engineering
PSR Engineering College
(An Autonomous Institution)
Sivakasi - 626140**

