


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: Dr.U.TAMILARASAN	
Designation:	Professor
Qualification:	M.E., Ph.D
Area of Specialization:	Composite Materials
Experience:	Teaching- 23.9 Years
	Industry- 2 Years
Number of Workshops/ Conferences/ FDP Attended:	WORKSHOP- 12 NATIONAL/INT. CONFERENCE- 06 FDP Attended: 04
Funded Projects :	01
Publication:	Journal: National : 03 International : 07
	Conference: National: 02 International: 04

General: 1.Hostel Deputy Warden
2. Life member in ISTE

Staff Achievements:

- Produced 100% results in Mechatronics
- Organized FDP program in Mechatronics
- Received the BEST TEACHER AWARD – Educationist Teachers Day Award 2013.

Experience :(Details)

S.No	Institution	Designation	Experience	
			Years	Months
1.	Sri Sai Ram Engineering College, Chennai	Professor	23	9
Total			23	9

Workshop/ FDP attended: (List)

S.No	Program Details	Program Venue	Date
1.	Online Webinar on "TECHNOLOGY BEHIND BS-VI "	ZOOM PLATFORM	May 30, 2020
2.	Online Webinar on "INDUSTRY 4.0"	ZOOM PLATFORM	May 20, 2020
3.	Three days workshop on “Recent Trends in Fluid Power Control System & it's Industrial Applications”	Sri Sai Ram Engineering College, Chennai	February 4-6, 2020
4.	Guest Lecture on “Engine Management System”	Sri Sai Ram Engineering College, Chennai	January 22, 2020
5.	Two Day Workshop on "Finite Element Analysis and its Industrial Applications"	Department of Production Engineering, Sri Sai Ram Engineering College, Chennai	6th & 7th August, 2018
6.	One Day Workshop on "Industrial Applications of Jigs, Fixtures and Press Tools"	Department of Production Engineering, Sri Sai Ram Engineering College, Chennai	19th March, 2018
7.	Faculty Development Training Programme on "AUTOMOBILE ENGINEERING"	Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai	29 th November to 5 th December 2017

8.	Two day National level workshop on “DESIGN OF EXPERIMENTS”	Sri Sai Ram Institute of Technology, Chennai	24 & 25 th July, 2015
9.	AICTE Sponsored FDP on “PROCESSING AND CHARACTERIZATION OF COMPOSITE MATERIALS INCLUDING NATURAL FIBER REINFORCED COMPOSITES”	Sri Sai Ram Institute of Technology, Chennai	18-31 st March, 2015
10.	Faculty Development Program on “Engineering Mechanics”	Centre for Faculty Development	12 to 18 th December, 2014
11.	One day workshop on “Role of Lean Manufacturing on Organization Competitiveness”	Sri Sai Ram Engineering College, Chennai	August 28, 2014
12.	AICTE SPONSORED FDP on “Advancements In Materials, Manufacturing Processes And Management Systems”	Sri Sai Ram Engineering College, Chennai	4 – 16 th November, 2013
13.	National Level Seminar on “Trends, Elements And Applications Of Mechatronics”	G.K.M College of Engineering and Technology	April 21 st , 2012
14.	National Level Workshop on “Virtual Instrumentation In Industrial Automation”	Sri Sai Ram Engineering College, Chennai	
15.	National Level Workshop on "Electronic Engine Management"	MIT, Anna University	
16.	Basic Pneumatics training workshop	JANATICS ,Coimbatore	

Workshop/Conferences/FDP/Symposium organized: (List)

- ❖ The Department of Production Engineering Organized a **Two Day Workshop on "Finite Element Analysis and its Industrial Applications"** Under the Banner of Society of Production Engineers on **6th & 7th August, 2018.**
 - ❖ The Department of Production Engineering organized a **One Day Workshop on "Industrial Applications of Jigs, Fixtures and Press Tools"** Under the Banner of Society of Production Engineers on **19th March , 2018.**
 - ❖ The Department of Production Engineering organized **1st International Conference on "ADVANCES IN MATERIAL AND MANUFACTURING ENGINEERING"** (ICAMME'14) on **December 19 & 20, 2014.** The Inaugural address delivered by **Dr.Sujit Banerji, Director, DST, Government of India, New Delhi.**
 - ❖ **Organized FDP On Mechatronics Engineering sponsored by Anna university Chennai (11.06.2007-23.06.2007) at SSEC, Chennai**
1. The Department of Production Engineering Conducted **1st National level Technical symposium "SAIPRODUXIO"** presents **PROBEO** on **March 2, 2012** under the Banner of **Society of Production Engineers.**
 2. The Department of Production Engineering Conducted **2nd National level Technical symposium "SAIPRODUXIO"** presents **PRODIX** on **August 17, 2012** under the Banner of **Society of Production Engineers.**
 3. The Department of Production Engineering Conducted **3rd National level Technical symposium "SAIPRODUXIO"** presents **PROXENO** on **September 4, 2013** under the Banner of **Society of Production Engineers.**
 4. The Department of Production Engineering Conducted **4th National level Technical symposium "SAIPRODUXIO"** presents **PROZEAL'14** on **August 14, 2014** under the Banner of **Society of Production Engineers.**
 5. The Department of Production Engineering Conducted **5th National level Technical symposium "SAIPRODUXIO"** presents **PROZEIT'15** on **August 13,**

2015 under the Banner of Society of Production Engineers.

- 6. The Department of Production Engineering Conducted 6th National level Technical symposium “SAIPRODUXIO” presents PROKRAFT2K16 on August 24, 2016 under the Banner of Society of Production Engineers.**
- 7. The Department of Production Engineering Conducted 7th National level Technical symposium “SAIPRODUXIO” presents PROLUX2K17 on August 22, 2017 under the Banner of Society of Production Engineers.**
- 8. The Department of Production Engineering Conducted 8th National level Technical symposium “SAIPRODUXIO” presents PROXYLE’18 on August 14, 2018 under the Banner of Society of Production Engineers.**

Funded projects (List)

1. Artificial Limb for Physically Challenged People project funded by Tamilnadu state council for technical education.

Publication:(Details)

Journal:(list) International:

- ❖ Published book chapter in Springer nature Bio-resource Utilization and Bio-processes, “Experimental Investigation of Performance and Emission Characteristics of Diesel Blended with Palm Methyl Ester along with Alumina Nano additive using D.I. Diesel Engine”
- ❖ Published a paper titled “design and analysis of GFRP-Al composite materials for the replacement of LPG cylinder” in international journal of engineering and advanced technology in October 2019, volume 1
- ❖ **Dr.U.Tamilarasan, Published a paper on “LPDE/Alumina Based Bio-Nano Composite Materials for Food Packaging Applications” International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020. Page No.: 802-805.**

- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Mechanical Property Evaluation of Banana Jute Fibre Along with Carbon Fibre Epoxy Composite Material**”, **International Journal of Engineering and Advanced Technology (IJEAT)**, ISSN: 2249 – 8958, Volume-8, Issue-6S3, **September 2019**
- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Micro Structural Analysis of Cryogenically Treated Carbon fibre Reinforced Epoxy Laminates and Aluminium**”, **Journal of Advanced Research in Dynamical and Control Systems (JARDCS) – SCOPUS INDEXED**, ISSN : 1943-023X, Issue: 01-Special Issue, pp. 559-565, **June 2018**.
- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Mechanical Properties Evaluation of the Carbon Fibre Reinforced Aluminium Sandwich Composites**”, **Material Research bulletin**, ISSN 0025-5408, Vol.18 No.5, pp. 1029–1037, **October 2015**.
- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Tensile Property Evaluation of Carbon Fiber Reinforced Aluminium Sandwich Composites**”, **Advanced Materials Research (AMR)**, Vols. 984-985, pp. 345-349, **July 2014**.

National:

- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Study of Mechanical Properties of Banana-Jute Fibre Epoxy Composite with Carbon Fibre**”, **International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)**, ISSN (Online) 2394-2320, Vol 5, Issue 3, **March 2018**
- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Fertilizer Sprayer Using Bicycle**”, **THINK INDIA (Quarterly Journal)**, ISSN: 0971-1260 Vol-22-Issue-2-**April-June-2019**
- ❖ **Dr.U.Tamilarasan**, Published a paper on “**Study of mechanical properties of**

banana-jute fibre epoxy composite with carbon fibre”, Journal of Emerging Technologies and Innovative Research (JETIR), ISSN-2349-5162, Volume 6, Issue 6, June 2019

Conference :(list)National : - International:

- ❖ **Dr.U.Tamilarasan**, Participated in the **8th International Conference on Sustainable Waste Management** under the aegis of International Society of Waste Management Air and Water (ISWMAW), Acharya Nagarjuna University, Guntur, AP, India from **November 22 – November 24, 2018.**
- ❖ **Dr.U.Tamilarasan** , has presented the poster at the **8th IconSWM** under the title **“Experimental Investigation Of Performance And Emission Characteristics Of Diesel Blended With Palm Methyl Ester Along With Alumina Nano Additive Using D.I. Diesel Engine”** in the **8th International Conference on Sustainable Waste Management** under the aegis of International Society of Waste Management Air and Water (ISWMAW), Acharya Nagarjuna University, Guntur, AP, India from **November 22 – November 24, 2018.**
- ❖ **Mr.U.Tamilarasan**, Presented a paper on **“Mechanical property evaluation of carbon fiber reinforced plastic material”**, in **International Conference on “Advances in Material and Manufacturing Engineering” (ICAMME’14)**, Sri Sairam Engineering College, Chennai on **December 19 & 20, 2014.**

- ❖ **Mr.U.Tamilarasan**, Presented a paper on **“Tensile Property Evaluation of Carbon Fiber Reinforced Aluminum Sandwich Composites”**, in **International Conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014)**, Ponjesly College of Engineering, Nagercoil on **March 7 & 8, 2014**.
- ❖ **Mr.U.Tamilarasan**, Presented a paper on **“Optimization Of Machining Parameter For Composite Materials”**, in **International Conference** at G.K.M College of Engineering and Technology on **March 26, 2011**.
- ❖ **Mr.U.Tamilarasan**, Presented a paper on **“Emerging trends in Energy and Environment”**, in **International Conference** at Sri Sai Ram Engineering College, Chennai.