


SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

<p>Name: S.RAVINDRAN</p>	
<p>Designation:</p>	<p>Assistant Professor</p>
<p>Qualification:</p>	<p>M.E, (Ph.D)</p>
<p>Area of Specialization:</p>	<p>Engineering Design</p>
<p>Experience:</p>	<p>Teaching- 19 Years 4 Months</p>
	<p>Industry - NIL</p>
<p>Number of Workshops/ Conferences/ FDP</p>	<p>WORKSHOP- 2 0</p>
<p>Attended:</p>	<p>NATIONAL/INT. CONFERENCE- 9</p>
<p>Publication:</p>	<p>Journal: National:02 International: 07</p>
	<p>Conference: National: 03 International: 06</p>
<p>General:</p>	<p>SAE Member, ISTE Member, IWS Member, IEEE Member, IAENG Member</p>
<p>Staff Achievement</p>	<ul style="list-style-type: none"> • Elite in NPTEL Online Certification for the course “Effective Engineering Teaching in Practice”. • Elite in NPTEL Online Certification for the course “Engineering Economic Analysis”. • Successfully Completed 21 online certification courses in Coursera. • Successfully Completed 5 online certification courses in Future Skills. • Successfully Completed 5 online certification courses in Udemy. • Successfully Completed 7 online certification courses in TATA STEELS.

ACADEMIC BACKGROUND

Course	Discipline	Name of the University	Percentage Secured	Year of Passing
M.E	Engineering Design	Mailam Engineering college	70.2 %	June 2006
B.E	Mechanical Engineering	Sethu Institute of Technology, Madurai	67.5%	April 2001
H.S.C	State Board	St.Joseph Higher Secondary School,Cuddalore	87%	April 1997
SSLC	State Board	St.Joseph Higher Secondary School,Cuddalore	89.4%	April 1995

Professional Experience:

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1.	Sri Sairam Engineering, Chennai.	Assistant Professor	13.02.2008 to Till date	13 Years 9 Months	Teaching
2.	GKM College Of Engineering & Technology, Chennai	Assistant Professor	07.07.2006 to 12.02.2008	1Year 7 Months	Teaching
3.	SRM Polytechnic College, Chennai.	Lecturer	05.07.2002 to 30.06.2006	4 Years	Teaching

International Conferences Attended: 6

Papers published in the international conferences: 7

Short Term Course (Refresher courses) Attended: 3 (NPTEL), NITTT module 1

Faculty/Staff Development /Training Program (Orientation programmes) Attended: 15

Resource person In FDP: NIL

Workshops Attended: 21

Events organized: 7

Funded Projects: NIL

List of publications in international journals:

Programs Organized:

- National level Technical symposium (**SAIMECH2016- METROZ**) Organized in the year of 2016.
- Short Term Training Program on “**Natural Fiber Composites - Recent Technology for Sustainability and Eco - Friendly Environment**”, (24th to 29th) June 2019.
- SAE Guest Lecture Organized in the year of Feb 2020.
- Webinar on “**Digital Manufacturing a new era**”, Organized in the year of 10th June 2020.
- Awareness Program on “**COVID-19 Preparedness and Vaccination**” Organized in the year of 29th May 2021.
- Online Virtual Faculty Development Program on “**Un conventional Machining Process**” from 26.07.21 to 02.08.21.
- Change Management online Program on “**Train the Trainers – A Bird’s Eye View on Python**” from 27.09.21 to 01.10.21.

International Journal:

1. **S. Ravindran**, Balachandra Pattanaik , Ram Subbiah “Mechanical Strength and Fatigue Fracture Analysis on Al-Zn-Mg Alloy with the Influence of Creep Aging Process” Advances in Materials Science and Engineering, Hindawi, Volume 2021,
2. **S Ravindran**, N Mani, M Kannan, S Santhosh, R Kamal “Wear testing of polypropylene termina chebula fibres” IOP Conf. Series: Materials Science and Engineering 912 (2020).
3. **S Ravindran**, N Mani, S Balaji, M Abhijith, K Surendaran “Mechanical Behaviour of Aluminium Hybrid Metal Matrix Composites – A Review” Materials Today: Proceedings 16, 1020-1033(2019).
4. **Ravindran, S.**, Mani, N., Vignesh, D., Anjan Shrinivasan, V., Vignesh “Experimental and investigation of aluminium T6 nano-reinforced hybrid metal matrix composite”

International Journal of Mechanical and Production Engineering Research and Development Volume 8, issue 8 pages, 226- 231(2018).

5. **S Ravindran**, N Mani, M King, R Vimalathithan “An Investigation on the Mechanical Properties of Nano-Al₂O₃ and TiC Reinforced Aluminum Matrix Hybrid Composites”, **Journal of Advanced Microscopy Research** Volume 13, Number 1, March 2018, pp. 118-124(7).
6. V Pandyaraj, **S Ravindran**, RS Kumar, “Investigation Of Pump Impeller Using CFD”, in the *Indian Journal of Science and Technology*- ISSN (Print): 0974-6846 (2016).
7. SR.K.Gajalakshmi, S.Kathiresan, **S.Ravindran** “Investigation of Microstructure And mechanical Properties of Silicon Nitride Reinforced AMMC Using Stir Casting Method”, in the *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)* e- ISSN: 2278-1684, p-ISSN: 2320–334X (2014).

National Journal:

1. Published a Paper Titled “An Experimental Analysis of Friction Stir Welding is using Aluminium AA6061-T6’, in the *SSEC Tech Journal (2012)*, ISSN 0975-2846.
2. Published a Paper Titled “Replacement of Engine Valve Cover with Bulk Moulding Compound’, in the *Journal of Emerging Technology In Mechanical Science and Engineering (2011)*, ISSN 0976-2558.

Conferences:

International

1. **S. Ravindran**, Sudharson S K, Motheswar M, Ashlin Immanuel A, Dhanush G, Manoj Kumar S Presented a Paper Titled “Experimental investigation of wake velocity in cylindrical tower using hot wire anemometer”, **International Conference on Emerging Approaches in Mechanical & Automobile Engineering (ICEAMAE’21)** conducted by Arasu Engineering College, Kumbakonam on **17.03.21 to 18.03.21**.
2. **S. Ravindran**, Dr. N. Mani, M. Kannan, S. Santhosh, R.Kamal Presented a Paper Titled “Wear Testing of Polypropylene Termina Chebula Fibers” , **3rd International Conference on Advances in Mechanical Engineering (ICAME 2020) & (ICRACM 2020)**, conducted by SRM Institute of Science and Technology, Kattankulathur. **(Feb 24 to 29), 2020**.

3. **S. Ravindran**, Dr. N. Mani, D. Vignesh, V. Anjan Shrinivasan, C. Vignesh Presented a Paper Titled “Experimental and Investigation of Aluminium T6 Nano-Reinforced Hybrid Metal Matrix Composite” **International Conference on Automobile, Marine and Mechanical Engineering (ICAMME 2018)**, conducted by Sri Venkateswara College of Engineering, Sriperumbudur, Chennai. . (May 4th & 5th), 2018.
4. **S. Ravindran**, Dr. N. Mani, S. Balaji , M. Abhijith , K.Surendaran Presented a Paper Titled “Mechanical Behaviour Of Aluminium Hybrid Metal Matrix Composites – A Reviews” , *Second International Conference on Advances in Materials, Manufacturing and Applied Sciences, ICAMMAS’17*, conducted by Sri Sai Ram Institute of College, Chennai. (March 30th & 31st), 2017.
5. **S.Ravindran**, V.Pandiyaraj, R.Senthilkumar, Presented a Paper Titled “A Review on Thermo Hydrodynamic Analysis of a Journal Bearing Using CFD”, *International Conference on Mechanical, Materials and Manufacturing Systems, ICMMMS’16*, conducted by Sri Sai Ram Engineering College, Chennai. 2016
6. **S.Ravindran**, AD Kumar “An Experimental Analysis Of Friction Stir Welding Using Aluminium Alloy A 6061-T6”, **International Conference on Recent Advances in Mechanical Engineering, INCROME 2012**, conducted by M.G.R University Chennai.

National

1. **S.Ravindran**, AD Kumar, Presented a Paper Titled “Tool Profile and process Parameters of Friction Stir Welding in Aluminium alloy AA6061- T6”, in the **National Conference on Advancements In Mechanical, Mechatronics and Management Systems (AIMMMS’12)**, conducted by Sri Sai Ram Engineering College, Chennai.
2. **S.Ravindran**, AD Kumar, Presented a Paper Titled “Evaluation of process parameters of friction stir welding using aluminium alloy’ in the **National Conference on Emerging Trends in Mechanical Engineering (NCE TIME-2012)**, Conducted by Sathyabama University, Chennai.
3. **S.Ravindran**, Vasanth Presented a Paper Titled “Wear Behaviour of Polypropylene Terminalia Chebula Fibres”, in the **National Conference on Emerging Trends In Design, Thermal, And Manufacturing (ETDM- 2013)**, Conducted by Saveetha Engineering College, Chennai.

FDP's Attended

1. Attended Faculty Development Program on “**Advancement in Materials, manufacturing Processes and Management Systems**”, Organized by Sri Sai Ram Engineering College, Chennai from 4th November to 16th November 2013.
2. Attended Faculty Development Programme on “**Computer Aided Design and Usage of Software**” Organized by Sri Sai Ram Engineering College, Chennai, from 4th August to 6th August, 2016.
3. Attended Faculty Development Training Programme on “**Automobile Engineering**” organized by Sri Sai Ram Engineering College, Chennai, from 29th November to 5th December 2017.
4. Attended a Short Term Training Program on “**Natural Fiber Composites - Recent Technology for Sustainability and Eco - Friendly Environment**”, (24th to 29th) June 2019, Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai.
5. Attended AICTE Sponsored two weeks Faculty Development Programme on “**Internet of Things and Advanced Technologies in Manufacturing** ” organized by Department of Mechanical Engineering, Panimalar Engineering College, Chennai from 11th to 23rd November, 2019.
6. Attended online two weeks Faculty Development Programme on “**Managing Online classes and Co- Creating MOOCS**” organized by Ramanujan College, University of Delhi, from Apr 20th to May 6th , 2020.
7. Attended Online AICTE Recognized Faculty Development Program on “**Environment and Sustainable Development**”, (20th to 24th) April 2020, Rural Development Department, National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh.
8. Attended Online AICTE Recognized Faculty Development Program on “**Role of Teachers and Educational Institutes in Unnat Bharath Abhiyan**”, (18th to 22th) May 2020, Rural Development Department, National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh.
9. Attended Online AICTE Recognized Faculty Development Program on “**Computer Integrated Manufacturing & CNC (CIM/CNC)**”, (25th to 29th) May 2020, Mechanical Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh.

10. Attended Online AICTE Recognized STTP on **“3D Printing and Industry 4.0 for Indian industries”** Organized by Department of Mechanical Engineering, Kamaraj College of Engineering & Technology Madurai, From 14.06.21 to 19.06.21.
11. Attended online Faculty Development Training Programme on **“Advances in Composite Materials, Manufacturing Processes and Optimization Techniques”** Organized by AMET University, Chennai, from June 1st to 14th, 2021.
12. Attended online Faculty Development Training Programme on **“Recent Trends in Materials and Manufacturing”** Organized by Department of Mechanical Engineering, Karpagam College of Engineering, Coimbatore, from August 2nd to 6th, 2021.
13. Attended online Faculty Development Training Programme on **“Advanced Applications in Composite Materials”** Organized by Department of Mechanical Engineering, Vel Tech High Tech Dr. Sakunthala Engineering College, Chennai from 17.05.21 to 22.05.21.
14. Attended one week online Faculty Development Training Programme on **“Fabrication, Characterization and Strengthening Mechanisms of Composites”** Organized by AMET University, Chennai, from December 13th to 18th, 2021.
15. Attended 5 days online Faculty Development Training Programme on **“Research Insights in Materials and Manufacturing”** Organized by Velammal Engineering College, Chennai, from December 13th to 17th, 2021.

Workshops attended:

1. Attended a workshop on **“Sustainable Materials: Challenges and Opportunities in Polymer Composites Engineering (SCOPE’2011)”** in ANNAMALAI UNIVERSITY held on March 2011.
2. Attended a workshop on **“Renewable Energy”** in Sri Sai Ram Engineering College held on 19th JULY 2012.
3. Attended Basic fire safety and emergency preparedness workshop program organized by Usha fire safety equipments (P) Ltd, held at SSEC, Chennai.
4. Attended Basic fire safety and emergency preparedness workshop program organized by Thilak Safety Associates, held at SSEC, Chennai.
5. Attended ISO 9001: 2008 Quality Management system and Audit training during 11th & 12th of October 2011 conducted by Creative Management Consultants, Chennai.
6. Attended one day Workshop on **“Renewable Energy”**, Organized by Sri Sai Ram Engineering College, Chennai on 24th Feb 2012.

7. Attended one day Workshop on **“Art of Journal and Thesis Writing”**, organized by Sri Sai Ram Engineering College, Chennai on 19th January 2012.
8. Attended Quality Management and Audit Training, Organized by Sri Sai Ram Engineering College, Chennai from 11th October to 12th October 2011.
9. Attended a DST sponsored National Seminar on **“Automotive Materials and Manufacturing”**, Organized by PSG College of Technology, Coimbatore from 20th July to 21st July 2012.
10. Attended a CSIR sponsored National Seminar on **“Mechanics, Processing and Characterization of High Performance Hybrid Composite Materials”**, Organized by KPR Institute of Engineering and Technology, Coimbatore from 23rd August to 24th August 2013.
11. Attended a two day Workshop on **“Industry-Institution Interaction Event on Environment Management in Industrial Sectors-Status and Needs”**, Organized by Sri Sai Ram Engineering College, Chennai on 24th & 25th July 2014.
12. Attended one day Workshop on **“Green Composites”** Organized by Sri Sai Ram Institute of Technology, Chennai on 27th August 2014.
13. Attended one day Workshop on **“Role of Lean Manufacturing On Organization Competitiveness”**, Organized by Sri Sai Ram Engineering college Chennai on 28th August 2014.
14. Attended a one day workshop on **“Development, Manufacturing and Analysis of Advanced Composites”**, 19th December 2015, Department of Mechanical Engineering, SRM University, Chennai.
15. Attended a one day National Level workshop on **“Advances in Design of Experiments (DOE)”**, 21st October 2016, Department of Manufacturing, School of Mechanical Engineering, VIT University, Vellore.
16. Attended a one day National Seminar on **“3D printing of composite materials - A digital additive manufacturing - (PRICOM'2019)”**, 20th March 2019, AMET University, Chennai.
17. Attended a one day workshop on **“Magnetically Impelled Arc Butt (MIAB) Welding”**, 13th April 2019, Department of Metallurgical and Materials Engineering, IIT Madras.
18. Attended a Two days National Seminar on **“Role of Smart Materials in Aerospace and Engineering Applications”**, 16th & 17th December 2019, St. Joseph's College of Engineering, Chennai.

19. Attended a one day Workshop on **“Introduction to DOE & Taguchi Method”**, 27th May 2020, organized by Department of Mechanical Engineering, GRT Institute of Engineering & Technology, Tiruttani.
20. Attended online one day Workshop on **“COMPOSITE IN PRECISION ENGINEERING”** jointly Organized by the Department of Mechanical Engineering, BIST, BIHER, Chennai and Department of Mechanical and Manufacturing, UKM, Malaysia on 05th June 2021.
21. Attended a one day National Seminar on **“Metallic Materials - Characterization, Testing and Manufacturing Techniques”**, 12th Feb 2022, organized by Department of Mechanical Engineering, AMET University, Chennai.