

**SRI SAI RAM ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL ENGINEERING**

<p>Name: <b>RAVI KUMAR L</b></p> <p>Plot. No 37, Southern Portion Venkateshwara Nagar Extension Kovur, Kundrathur Taluk Chennai – 128, Tamil Nadu India</p>	
<p>Designation:</p>	<p>Assistant Professor</p>
<p>Qualification:</p>	<p>M.E., (Ph.D)</p>
<p>Area of Specialization:</p>	<p>Manufacturing</p>
<p>Experience:</p>	<p>Teaching – 14Years 06 Months</p>
<p>Number of Workshops/ Conferences/ FDP Attended:</p>	<p>Workshop - 04 Conference – 06 FDP – 04</p>
<p>Publication:</p>	<p>Journal:  National  <b>International - 10</b></p>
	<p>Conference:  National - Nil  <b>International - 06</b></p>

**Academic Background:**

Course	Institution	Year of Passing	Board/University	Percentage of marks (%)
M.E. (Manufacturing)	Thanthai Periyar Government Institute of Technology, Vellore	2011	Anna University Chennai	8.279
B.E (Mechanical Engineering)	Noorul Islam College of Engineering, Kanyakumari	2008	Anna University Chennai	76.3
Higher Secondary	P.L.W.A Higher Secondary School Vickramasingapuram	2004	State board	88.3
S.S.L.C	Senaithalaivar High School Vickramasingapuram	2002	State board	89.3

**Professional Experience:**

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1	Sri Sai Ram Engineering College, Chennai-44	Assistant Professor	05-06-2015	Till Date	10Years & 1Month	Teaching
2	Adhiyamaan College of Engineering, Hosur	Assistant Professor	29-06-2011	21-05-2015	4 Years	Teaching
<b>Total Experience</b>		<b>14 Years and 06Months</b>				

**Courses Completed:**

- Completed the Internal Auditor course in EOMS (ISO 21001:2018)
- Completed 8 weeks course in Accreditation and Outcome Based Education through NPTEL certification and secured Elite + Silver
- Completed 8 Modules of NITTT (National Initiative for Technical Teacher Training)

**NPTEL Courses Completed:**

- Introduction to Research
- Joining technology for Metals
- Automation in Manufacturing
- Corrossion/Environmental Degradation and Surface Engineering
- Accreditation and Outcome Based Education

- Welding Technology
- Introduction to Material Science
- Powder Metallurgy
- Teaching and Learning programs in General Programs
- Technical Communication for Engineers

#### **FDP ATTENDED:**

- Participated FDP on Engineering Materials & Metallurgy at Madras Institute of Technology, Anna University from 5<sup>th</sup> to 12<sup>th</sup> December 2016
- Participated AICTE Sponsoed FDP on Vibration and Acoustics in Machines and Automobiles at Adhiyamaan College of Engineering, Hosur from 17<sup>th</sup> to 31<sup>st</sup>July 2019
- Attended one week FDP on Engineering & Management Teaching Pedagogy – An Industrial Perspective from 11<sup>th</sup> – 16<sup>th</sup> May 2020
- Attended one week ATAL FDP on Hydrogen Technologies – synergistic approach towards sustainable solutions at PSG institute of Applied Engineering and Research from 7<sup>th</sup> – 12<sup>th</sup> July 2025

#### **WORKSHOP ATTENDED:**

- **Attended technical workshop on Management System Auditing ISO 19011:2018**
- Participated workshop on **Application of Intelligent Optimization Techniques Using Mat lab – 07.**
- Participated workshop on **Sustainable Materials: Challenges and Opportunities in Polymer Composites Engineering.**
- Attended three days online workshop on **Design of Experiments – An Engineering Perspective** from 25<sup>th</sup> – 27<sup>th</sup> April 2020

#### **CONFERENCES ATTENDED:**

- Presented paper titled “An Experimental investigation of wear characteristics on mild steel overlaid with stellite” in national level conference held at Dr.MGR UNIVERSITY on 4<sup>th</sup> April 2014
- Presented paper titled “Parametric Optimization of titanium(grade-2) in WEDM using taguchi technique” in International conference (ICETS ‘15) held at Muthayammal College of Engineering, Rasipuram on 5<sup>th</sup> March 2015

- Presented paper titled “An Innovative Methodology for Continuous Improvement of CO – PO Attainments” in 4<sup>th</sup> World Summit on Accreditation Challenges & Opportunities in Outcome Based Accreditation organized by NBA during September 7<sup>th</sup> – 9<sup>th</sup> 2018
- Presented paper titled “Design and Analysis of All Terrain Vehicled Chassis Using Finite Element Analysis” in International conference (ICRTMME ‘19) held at Chennai Institute of Technology, Kundrathur, Chennai on 12<sup>th</sup> December 2019

## PUBLICATIONS:

- Ravi Kumar L, Vijaya Ramnath B, **Surface Characterization and Optimization of Electropolishing Parameters for a Near Equiatomic Binary NiTi Alloy**, Journal of Material Engineering and Performance, October 2025
- Ravi Kumar L, Chiranjeev Sanjay,P, Pravin Chander,T.J, Sureshmani,G **Design, Modeling and Analysis of Roll Cage for SAE BAJA Vehicle**, SAE Technical Papers, 2024
- Chiranjeev Sanjay,P, Ravi Kumar L, Gananathi Naveen Kishore,S., Rikesh,T, **Design and Analysis of Double Piston Brake Caliper for SAE BAJA Vehicle**, SAE Technical Papers, 2024
- Ravinthiran,A., Ravi Kumar L, Srivarshini,P, **Design Optimization of Disc Brake Rotor**, SAE Technical Papers, 2024
- Ravi Kumar L, Prathuesh Lalan,R.A, Shriram Naibal,B, Gananathi Naveen Kishore,S., **Design, Modeling and Analysis of Customized Brake Caliper for SAE BAJA Vehicle**, SAE Technical Papers, 2024
- Ravi Kumar L., Vijaya Ramnath B, Dhananchezhian S., Viknesshwar A.B **Study on Mixer Grinder's User Behaviour - A Survey-based Analysis E3S Web of Conferences, 2023, 02007**
- Ravi Kumar, L., Ravinthiran, A., Srivarshani, P., ...Saravanan, V., Ajith Kumar, R. **Investigations on multi cylinder four stroke diesel engine's crankshafts with different materials** Materials Today: Proceedings 2023
- Ravi Kumar, L., Melvin Antony, J., Kumaran, D., Lokeshwaran, G., Santhana Srinivasan, P. **An experimental investigation on wear characteristics of C-45 grade steel overlay with stellite** IOP Conference Series: Materials Science and Engineering, 2020, 988(1), 012039
- Ravikumar, L., Yashwant, K., Aravindan, B., Vasanth Krishnan, A., Jeyachandran, J. **Analytical and Numerical Approach on Design of Cageless Open Differential Unit** IOP Conference Series: Materials Science and Engineering, 2020, 988(1), 012043
- Ravi Kumar, L., Vasanth Krishnan, A., Yashwant, K., Aravindan, B., Prabhakaran, R. **Design and analysis of all-terrain vehicle chassis using finite element analysis** AIP Conference Proceedings, 2020, 2283, 020093

- C.Sivakandhan,G.Murali,N.Tamiloli, & L.Ravi Kumar, **Studies on mechanical properties of sisal and jute fiber hybrid sandwich composite,Materials Today: Proceedings**, Volume 21P1,PAGES 404 -407, 2020
- Chandramohan D., L.Ravi Kumar,**Free Vibrational Analysis of Cortical/Hard Bone by using of FEA, Materials Today: Proceedings**, Volume 16, Pages 744 - 749 2019
- Chandramohan D., L.Ravi Kumar, C.Sivakandhan, G.Murali, A.Senthil Athiban, **Review on Tribological Performance of Natural Fibre-Reinforced Polymer Composites, Journal of Bio & Tribo Corrosion** 2019
- V.Pandayaraj, L. Ravi Kumar, **Experimental Investigation of Mechanical Properties of GFRP reinforced with Coir and Flax, International Journal of Mechanical Engineering and Technology (IJMET)** Volume 09, Issue 12 pages 1034 - 1042, December 2018
- Ravi Kumar L, Chandramohan D, **Damping Analysis on Hybrid of Natural Rubber Particle and Epoxy Filled Glass Fiber Composites, Research Journal of Science & Technology**, Volume 10, Issue 04 December 2018 ISSN: 2349-2988
- L. Ravi Kumar, D.Chandramohan, **Flexural Test on Hybrid Biocomposite Materials, Indian Journal of Science & Technology**, Volume 10(7),February 2017,ISSN:0974-5645
- **Characterization of Mechanical Seal using Hybrid of Natural Materials Indian Journal of Science and Technology**, Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/108447, December 2016 ISSN (Print) : 0974-6846ISSN (Online) : 0974-5645
- **Investigation of Preventive Maintenance in Operational Cycle Time of Main Gear Box Load Test in Advanced Light Helicopter IJRST –International Journal for Innovative Research in Science & Technology| Volume 2 | Issue 12 | May 2016ISSN (online): 2349-6010**
- **Parametric optimization of titanium(grade2) in wedm using taguchi technique International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 9 (2015)**
- **Optimization of Operational Cycle Time for Testing Of Filter Pop-Out Indicator for Helicopter Gearbox Application Journal of Chemical and Pharmaceutical Sciences ISSN (Print 0974-2115) (Online 2349-8552)**

**Responsibilities :**

- NBA Coordinator for the Department since 2016
- NBA Coordinator for the institution since 2024
- Acted as an Expert Member for sanctioned Mentee Institutions through AICTE Margdarshan Scheme
- Internal Quality Assurance Cell Member since 2020

**Membership in Professional Bodies:**

1. Life-Time Member in Indian Society for Technical Education [ISTE]
2. Life-Time Member in Institutions of Engineers (India) [IEI]
3. Member in Society of Automotive Engineers [SAE]