

SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: V. RANJITH KUMAR	
Designation:	Assistant Professor
Qualification:	M.E, P.hD.,
Area of Specialization:	Engineering Design
Experience:	Teaching- 14. 7 Years
	Industry: Nil
Number of Workshops/ Conferences/ FDP Attended:	Worshop- 14 FDP- 12 National/Int. Conference- 02
Publication:	Scopus/WoS Journal & Conferene Publication: <ul style="list-style-type: none"> • Scopus Journal Publications: 08 • WoS Journal Publications: 0 • Scopus Conference Publication: 7
General:	<ul style="list-style-type: none"> ✓ 3 - NPTEL short term course completed. ✓ 8 –Online course completed in NITTTR ✓ 2 - Online courses completed in UDEMY. ✓ 20 - Online courses completed in CORSERA.
Staff Achievement	<ul style="list-style-type: none"> ❖ Master’s degree in M.E. Engineering Design from College of Engineering Guindy, Anna University. ❖ Exposure in CAD/CAE tools. ❖ Interest in cross-functional activities with manufacturing,

	<p>experimental and hand calculation.</p> <ul style="list-style-type: none"> ❖ Having good communication and interpersonal skills. ❖ Participated and presented in international, national workshops, conference and paper presentations.
--	---

PROFESSIONAL EXPERIENCE:

College/Organization	Designation	Period From - To	Total period	Nature of work
Sri Sairam Engineering College, Chennai	Assist. Prof.	June'16 to Till date	9.7 Years	Teaching
Valliammai Engineering College	Assist. Prof.	June 12 to May 16	4 Years	Teaching
Sree Sastha Institute of Engineering	Assist. Prof.	June 11 to May 11	1 Years	Teaching

PAPERS PUBLISHED IN THE INTERNATIONAL JOURNALS:

1. Wear reduction analysis of aramid matrix composites, IJMPERD, 2018
2. Cryogenic characterization of chemically treated vetriver fibre – Epoxy polymer composite, IJMPERD, 2018
3. The Mechanical and Morphological Analysis of Carbon fiber Materials, IJMPERD, 2019
4. Coronary illness prediction using random forest classifier, Advance in parallel computing, 2021
5. Diabetes risk forecasting using logistic regression, Advance in parallel computing, 2021
6. Effect of rib arrangements on the flow pattern and heat transfer in internally ribbed rectangular divergent channels, Material Today: Proceedings, 2021
7. Thermomechanical pretreatment of Al-Zr-Cr alloy to improve the performance through creep – age forming, Material Today: Proceedings, 2022
8. Analysis and performance enhancement of newly designed solar based heat pump for water heating application, Energy Report, 2022

SHORT TERM COURSE COMPLETED:

1. Faculty Development Programme (One Week: AICTE) on “Sustainability Engineering”,
Vellore Institute of Technology from 14.12.20 to 18.12.20.
2. Faculty Development Programme (One Week: AICTE) on “Robotics”, KCG College of Technology from 08.12.20 to 12.12.20.
3. Faculty Development Programme (One Week: AICTE) on “Energy Storage Characteristics, Surface Treatment, Durability, Sustainability and Micro Structural Evaluation of Smart and Phase Change Materials and its Applications”, Sri Sairam Institute of Science & Technology from 14.09.20 to 19.09.20.
4. Faculty Development Programme (One Week) on “Engineering and Management Teaching Pedagogy- an Industry Perspective”, Sri Sairam Institute of Science & Technology from 11.05.20 to 16.05.20.

FACULTY DEVELOPEMNT PROGRAMS ATTENDED:

1. Faculty Development Programme on “Concept of Thermodynamics, Fluid mechanics and Dynamics for Mechanical Engineers”, SRM VALLIAMMAI ENGINEERING COLLEGE, 11.05.20 to 15.05.20.
2. Four Day Workshop: “AUTODESK INVENTOR 2016”, organized by ICT Academy of Tamil Nadu in Alpha Engineering College on December 2016.
3. Faculty Development Programme on “Foundation Skills In Integrated Product Development (FSIPD)”, College of Engineering, Anna University, March (5 Days) 2016
4. Faculty Development Programme on “Engineering Graphics”, Valliammai Engineering College, June 2015
5. Faculty Development Programme on “Orientation Program for Fresh Teachers”, Valliammai Engineering College, December 2012.
6. Faculty Development Programme on “Soft Skills and Class Room Dynamics”, Valliammai Engineering College, July 2012.
7. Faculty Development Programme on “Dynamics of Machinery”, Saveetha Engineering College, June 2012

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. Member in “Institute of Electrical and Electronics Engineers (IEEE)”.