

**St. Joseph's College of Engineering – Chennai 600119**  
**Department of Mechanical Engineering**  
**Faculty Information Sheet**

Staff Name	:	Mr. G. KASIRAJAN
Faculty ID	:	TME 46
Designation	:	ASSISTANT PROFESSOR
Qualification	:	M.E., (Ph.D.),
E- Mail ID	:	kasirajang@stjosephs.ac.in
Total Experience (Years)	:	17 Years
Teaching Experience (Years)	:	17 Years
Area of specialization	:	COMPUTER AIDED DESIGN
Subjects handled in UG with Subject Code	:	(01) GE1106 / ENGINEERING GRAPHICS (02) ME1402 / KINEMATICS OF MACHINERY (03) ME8594 / DYNAMICS OF MACHINES (04) ME1601 / DESIGN OF TRANSMISSION SYSTEMS (05) BE8252 / BASIC CIVIL AND MECHANICAL ENGINEERING
Department Responsibilities Held	:	* <b>LABORATORY INCHARGE</b> Fluid Mechanics & Machinery Laboratory  * <b>CLASS COUNSELLOR</b> Batch: 2021 – 2025 'C' Section  * <b>INNOVATION HARDWARE HACKATHON CLUB INCHARGE</b>  * <b>DEPARTMENT STUDENT ACTIVITES INCHARGE</b>
National Conference Attended	:	(01) Automotive Disc Brake Implementation In Heavy Vehicles, Emerging Trends In Industrial Automation; Proceedings Page No. 100-103, 2010, Velammal Engineering College, Chennai.

**St. Joseph's College of Engineering – Chennai 600119**  
**Department of Mechanical Engineering**  
**Faculty Information Sheet**

<p>International Journals Published</p>	<p>:</p> <p>(01) Luffa and Kevlar fiber/nanoclay sustainable thermoset biocomposites: acoustic and tribo - mechanical study, Iranian Polymer Journal (2024).</p> <p>(02) Development of Novel Bio-mulberry-Reinforced Polyacrylonitrile (PAN) Fibre Organic Brake Friction Composite Materials. Hindawi Bioinorganic Chemistry and Applications (2022).</p> <p>(03) Mechanical Performance of Luffa Fiber Reinforced Polypropylene Composites using Injection Moulding. International Journal of Vehicle Structures &amp; Systems (2022).</p> <p>(04) Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters. Metallurgical Research Technology (2020).</p>
<p>Faculty Development Programme Attended/ Workshops Attended</p>	<p>:</p> <p>(01) Eight weeks Faculty Development Training Programme on “Fundamentals of Welding Science and Technology” held on January 2024 to March 2024 , organized by National Programme on Technology Enhanced Learning (NPTEL), Funded by MoE, Government of India.</p> <p>(02) Five Days Faculty Development Training Programme on “Advance Materials and their Characterization” held on 06-11-20223 to 10-11-2023, organized by Greater Kolkata College of Engineering and Management, Baruipur, West Bengal.</p> <p>(03) Five Days Faculty Development Training Programme on “Recent Research Trends in Mechanical &amp; Automobile Engineering” held on 07-08-20223 to 11-08-2023, organized by Sree Naryana Institute of Technology, Adoor.</p> <p>(04) Six Days National Level Faculty Development Training Programme on “Design, Optimization and Manufacture of Materials” held on 07-03-2022 to 12-03-2022, organized by SSN College of Engineering, Chennai.</p>

**St. Joseph's College of Engineering – Chennai 600119**  
**Department of Mechanical Engineering**  
**Faculty Information Sheet**

(05) Six Days International Level Faculty Development Training Programme on “Futuristic Research in Mechanical Engineering” held on 08-08-2022 to 13-08-2022, organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai.

(06) Three Days National Level Faculty Development Training Programme on “Advance Research in Friction Welding & its Engineering Applications” held on 25-08-2022 to 27-08-2022, organized by Rajalakshmi Engineering College, Chennai.

(07) Five Days National Level Faculty Development Training Programme on “Trends & Challenges in the Development of Electric & Hybrid Electric Vehicles held on 14-11-2022 to 18-11-2022, organized by Lendi Institute of Engineering & Technology, AP, India.

(08) One Day National Workshop on “Non – Destructive Testing Techniques – An Experimental Learning” held on 12<sup>th</sup> March, 2020 organized by SSN College of Engineering, Chennai.

(09) One Day Online National Workshop on “Recent Research Trends in Mechanical Engineering” organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai on 25<sup>th</sup> June 2020

(10) Three Days Online Workshop on “Research Methodology” from 28.04.2020 to 30.04.2020 organized by REST Society for Research International (RSRI), Krishnagiri, Tamilnadu, India.

(11) Three Days Online Workshop on “Optimization Technology” from 04.05.2020 to 06.05.2020 organized by REST Society for Research International (RSRI), Krishnagiri, Tamilnadu, India.

(12) One Week Online Faculty Development Training Programme on “Novel Materials and its Industrial Applications” from 13.05.2020 to 18.05.2020 organized by

**St. Joseph's College of Engineering – Chennai 600119**  
**Department of Mechanical Engineering**  
**Faculty Information Sheet**

Karpagam College of Engineering, Coimbatore.

(13) Five Days Online Faculty Development Training Programme on “Recent Trends In Manufacturing” organized by Kalasalingam Academy of Research & Education, Krishnakoil, Tamilnadu.

(14) Three Days Online Faculty Development Training Programme on “Dynamics of Machines” from 21.05.2020 to 23.05.2020 organized by Mohamed Sathak A J of College Engineering, Chennai.

(15) Five Days Online Faculty Development Training Programme on “Emerging Trends In Mechanical Engineering” from 02.06.2020 to 06.06.2020 organized by St.Peter's Engineering College, Hyderabad, Telangana.

(16) One Day Online Workshop on “Challenges & Opportunities in FSW of Mg Alloys” organized by S.A. Engineering College, Chennai.

(17) One Week Online Faculty Development Training Programme on “Welding for Additive Manufacturing” from 10.06.2020 to 15.06.2020 organized by Indian Welding Society (IWS) forum in connection with Department of Mechanical Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore, Tamilnadu.

(18) One Week Online Faculty Development Training Programme on “Advanced Manufacturing Technology” from 28.06.2020 to 04.07.2020 organized by Karpagam College of Engineering, Coimbatore.

(19) One Week NPTEL –AICTE Faculty Development Programme on “Design Practice” held on September 2019 organized by Swayam & Indian Institute of Technology, Kanpur.

(20) Anna University Sponsored Two Weeks Faculty Development Training Programme on “Kinematics of Machinery” from 26.11.2018 to 08.12.2018 held at MNM Jain Engineering College, Chennai.

**St. Joseph's College of Engineering – Chennai 600119**  
**Department of Mechanical Engineering**  
**Faculty Information Sheet**

NPTEL Courses Attended	:	<p>(01) Eight Weeks NPTEL –AICTE online course on “Fundamentals of Welding Science and Technology” held during January 2024 to March 2024 organized by Swayam &amp; Indian Institute of Technology, Guwahati &amp; achieved Elite merit certificate.</p> <p>(02) Eight Weeks NPTEL –AICTE online course on “Design Practice” held during July - September 2019 organized by Swayam &amp; Indian Institute of Technology, Kanpur &amp; achieved Elite merit certificate.</p>
Professional Membership	:	<p><b>Indian Society for Technical Education – Life Member</b>  <i>Membership Number: LM 77510</i></p>
No. of UG Projects Guided	:	<p>Academic Year: 2017-2018 – 3 Batches  Academic Year: 2018-2019 – 3 Batches  Academic Year: 2019-2020 – 3 Batches  Academic Year: 2020-2021 – 3 Batches  Academic Year: 2021-2022 – 4 Batches  Academic Year: 2022-2023 – 3 Batches  Academic Year: 2023-2024 – 3 Batches</p>
Other Achievements	:	<p>1. Mentored Students for National Level Bharath Cycle Design Challenge 2023 competition conducted by AICTE &amp; received a fund of Rupees Forty Thousand under Commute Non - EV category.</p> <p>2. Mentored Students for ISRO Robotics Challenge 2024 competition. Our team is one of 148 at the national level, according to the proposal that was presented.</p>