

St.Joseph's College of Engineering – Chennai 600 119
Department of Mechanical Engineering
Faculty Information Sheet

Faculty Name	Mr. N.Sathishkumar M.E., (Ph.D)	
Faculty Id	TME70	
Designation	Assistant Professor	
E- Mail Id	sathishkumarn@stjosephs.ac.in	
Qualification	UG	B.E. Mechanical Engineering
	PG	M.E. Computer Integrated Manufacturing
	(Ph.D)	Additive Manufacturing
College Name	UG	University College of Engineering – Dindigul
	PG	College of Engineering - Guindy
	(Ph.D)	College of Engineering - Guindy
Academic Record with Class Obtained	UG	First Class With Distinction (University Rank – 20)
	PG	First Class With Distinction
Date of Joining	01-08-2016	
Teaching Experience	01-08-2016 to Till Date.	
Areas of specialization (Research)	Additive Manufacturing, Rapid Tooling, Composite Materials, Machining.	
Subjects handled in UG with Subject Code	GE6152 – Engineering Graphics, GE6251 – Basic Civil and Mechanical Engineering, GE6351 – Environmental Science and Engineering, ME6501 – Computer Aided Design, ME6602 – Automobile Engineering, ME6603 – Finite Element Analysis, ME6703 – Computer Integrated Manufacturing Systems, GE8152 – Engineering Graphics, ME8691 – Computer Aided Design and Manufacturing, OAT551 – Automotive Systems, OAT551 –Testing of Materials, BE8252 –Basic Civil and Mechanical Engineering, GE1106 –Engineering Graphics, GE1205 –Basic Civil and Mechanical Engineering.	

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Subjects handled in PG with Subject Code	MF5102 – Computer Integrated Manufacturing Systems, MF5203 – Tooling For Manufacturing, MF1018 – Additive Manufacturing.	
Labs handled in UG with Subject Code	GE6162 – Engineering Practices Laboratory, GE6261 – Computer Aided Drafting and Modeling Laboratory, ME6511 – Dynamics Laboratory, ME6513 – Metrology and Measurements Laboratory, ME6712 – Mechatronics Laboratory, ME6611 – CAD/CAM Laboratory, ME8511 – Kinematics and Dynamics Laboratory.	
Department Responsibilities Held	Class Counsellor, Time Table Team Member, Department Scholarship File Incharge, Website Updation Team Member, Dynamics Lab Assistant Incharge, Department Entrepreneurship Development Team Member.	
Total number of Publication in International Journals	<u>SCI, ESCI, SCOPUS, WOS & UGC Indexed</u> - 30	
Publication in Proceedings of International Conferences	<u>Chapters in Book Series</u> - 06	
Conference's Attended	11	
Continuous Learning Activities	<u>FDP's Attended:</u> 12 <u>GIAN Courses:</u> 02 <u>NPTEL Courses Completed:</u> 04 <u>AICTE - NITTT Course Modules completed:</u> 08 <u>Workshop's Attended:</u> 05 <u>Industrial Trainings Completed:</u> 02	
Online Webinars & Guest Lecture Delivered	<u>Webinars Organized</u>	07
	<u>Webinars Attended</u>	51
	<u>Guest Lecture Delivered</u>	01

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Authored Text Books	<p><u>Book Title:</u> “Composite Materials”</p> <p><u>Authors:</u> Anup Goel, A.Jacob Moses, Dr. Renjin J. Bright, N. Sathishkumar.</p> <p><u>Volume:</u> 1, First Edition,</p> <p><u>Pages:</u> 200.</p> <p><u>ISBN:</u>978-93-91567-55-2</p> <p><u>University:</u> Savitribai Phule Pune University</p> <p><u>Branch:</u> Tool Engineering</p> <p><u>Semester:</u> VI Elective II</p> <p><u>Sub. Code:</u> 302052(A)</p>
Industrial Projects	<p>Successfully completed an industrial project on developing "3D printed sparse build hydroforming die for making thin metallic bellows" to the company Metallic Bellows (India) Pvt. Ltd 3/136, East coast road, Vettuvankeni, Injambakkam, Chennai 600 115.</p>
No of student projects guided	<p>UG – 21</p> <p>PG - 03</p>
Google Scholar	<p>https://scholar.google.com/citations?user=b2P002cAAAAJ&hl=en</p>
ORCID Id	<p>https://orcid.org/0000-0002-2358-5297</p>
Scopus Author Id	<p>57209207216</p> <p>https://www.scopus.com/authid/detail.uri?authorId=57209207216</p>
Research Gate	<p>https://www.researchgate.net/profile/Sathishkumar_Natesan2</p>
Web of Science Researcher Id	<p>AAS-3306-2020</p> <p>https://www.webofscience.com/wos/author/record/2029902</p>
Anna University Staff Id	<p>3123420</p>
Patents Published	<p>06</p>
Reviewer in Journals	<p>1. Materials Today: Proceedings, ISSN: 2214-7853.</p> <p>2. Journal of Biomaterials Science, Polymer Edition, ISSN: 1568-5624 – Anna University Annexure I.</p>

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Consultancy projects completed	01 <u>Consultancy Amount:</u> 1.50 Lakhs <u>Title of the consultancy project:</u> Topology optimization and fabrication of injection mold inserts with conformal cooling channels by using additive manufacturing process. <u>Industry:</u> RAM Industries and Technologies, Kundrathur, Kancheepuram, Tamilnadu -600 069.
Awards or Achievements	<ol style="list-style-type: none">1. All India “Topper” in NPTEL Course on “Manufacturing of Composites” Conducted by IIT Kanpur in 2019.2. All India “Topper” in NPTEL Course on “Metal Additive Manufacturing” Conducted by IIT Kanpur in 2022.3. Received “Best Research Paper” Award for the title “Study of Compressive Behaviour on 3D Printed PETG Polymer Lattice Structures Infilled with Epoxy Resin” in the International Conference on Advances in Materials and Manufacturing (ICAMM - 2021) held at SSN College of Engineering, Kalavakkam, Chennai on 18-19 February 2021.4. Received “Excellent Reviewer” recognition batch from Web of Science.