

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

Staff Name	:	Dr. K. Arun
Faculty ID	:	TME36
Designation	:	Associate Professor
Qualification	:	B.E. (Mech), M.E. (Energy), Ph.D (Energy)
E- Mail ID	:	arunkathapillai@gmail.com, arunkathapillai@stjosephs.ac.in
Total Experience (Years)	:	24 Years
Teaching Experience (Years)	:	24 Years
Industrial Experience (Years)	:	Nil
Area of specialization	:	Thermal Engineering, Energy Conversion Technologies, Internal Combustion Engines and Alternate Fuels, Renewable Energy Systems, Biomass Energy Conversion Systems, Nano-Fluids and Nano-Materials
Subjects handled in UG with Subject Code	:	MG6863 - Engineering Economics GE8077 - Total Quality Management MG8591 - Principles of Management ME6502 - Heat and Mass Transfer ME1514 - Gas Dynamics and Jet Propulsion ME1401 - Thermal Engineering ME2202 - Engineering Thermodynamics ME2151 - Engineering Mechanics GE2152 - Basic Civil and Mechanical Engineering GE1106 - Engineering Graphics
Subjects Handled in PG with Subject Code	:	EY9151 - Cogeneration and Waste Heat Recovery Systems EY681 - Energy conservation and Management - II EY9150 - Advanced Engineering Fluid Mechanics
Department Responsibilities Held	:	Year Coordinator Board of Studies Coordinator ABHS Coordinator Heat Transfer Laboratory In-charge Examination Coordinator Overall Attendance Coordinator ME Attendance In-Charge Developed PO, PEO and PSO calculation template for the entire college for NBA accreditation process Assisted AUT Zonal Office activities Inter Collegiate and Intra College Symposium Coordinator

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Journals Published	:	9
International Conference Attended	:	5
National Conference Attended	:	3
Faculty Development Programme Attended/ Workshops Attended	:	37 (189 Days)
Faculty Development Programme Presented/Trained	:	03
NPTEL Courses Attended	:	4
No. of UG Projects Guided	:	35
Awards or Achievements	:	<ul style="list-style-type: none"> <li>✓ <b>Recognized supervisor for guiding PhD research scholars at Anna University, Chennai.</b></li> <li>✓ Awarded with certificate for the <b>Outstanding Contribution in Reviewing Manuscripts</b> in the journal “Energy Conversion and Management” by Elsevier in June 2018</li> <li>✓ <b>Reviewer</b> in               <ol style="list-style-type: none"> <li>1. Energy Conversion and Management (Elsevier Journal) and</li> <li>2. Energy Sources, Part A: recovery, Utilization, and Environmental Effects (Taylor and Francis Journal)</li> <li>3. Journal of the Brazilian Society of Mechanical Sciences and Engineering (Springer Journal)</li> <li>4. Journal of Renewable and Sustainable Energy (American Institute of Physics Publishing)</li> <li>5. 10<sup>th</sup> International and 50<sup>th</sup> National Conference on Fluid Mechanics and Fluid Power (FMFP) December 20-22, 2023, IIT Jodhpur, India.</li> </ol> </li> <li>✓ <b>Member of Staff Selection Board</b> in Chendhuran College of Engineering and Technology, Pudukkottai.</li> </ul>