

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

Staff Name	:	SAKTHIVEL D
Faculty ID	:	TME72
Designation	:	ASSISTANT PROFESSOR
Qualification	:	M.E.(INTERNAL COMBUSTION ENGINEERING)
E- Mail ID	:	<a href="mailto:sakthiveld@stjosephs.ac.in">sakthiveld@stjosephs.ac.in</a>
Total Experience (Years)	:	8 YEARS 1 MONTH
Teaching Experience (Years)	:	8 YEARS 1 MONTH
Industrial Experience(Years)	:	NIL
Area of specialization	:	INTERNAL COMBUSTION ENGINES
Subjects handled in UG with Subject Code	:	GE3251-ENGINEERING GRAPHICS, BE8252-BASIC CIVIL AND MECHANICAL ENGINEERING, ME8391-ENGINEERING THERMODYNAMICS, ME8493-THERMAL ENGINEERING-I, ME8595-THERMAL ENGINEERING-II, ME8693-HEAT AND MASS TRANSFER, ME8792-POWER PLANT ENGINEERING, ME6604-GAS DYNAMICS AND JET PROPULSION, ME6016-ADVANCED I.C. ENGINES
Subjects handled in PG with Subject Code	:	NIL
Department Responsibilities Held	:	II-B COUNSELOR
Journals published	:	<i>National Journals:</i> <b>1. Experimental Analysis of Alumina Nanoparticles Dispersed</b>

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		<p><b>in Pongamia Biodiesel in CI Engine to Enhance Performance and Emission Characteristics</b> Sidharth S, Satheesh Kumar P M, Sakthivel D</p> <p><b>2. Experimental Investigation of CI Engine Using Alumina Particles Blended with Biodiesel and with Controlled Exhaust Gas Recirculation</b> Pavithra.L , Sakthivel D</p> <p><i>International Journals:</i>  1.EXPERIMENTAL INVESTIGATION OF DIESEL HCCI COMBUSTION BY EXTERNAL MIXTURE FORMATION USING EXHAUST GAS ENERGY  Dr.D.Elil Raja*, <b>D. Sakthivel**</b>, Dr.G.Nagarajan***</p> <p><i>2. Experimental analysis of C.I. engine using pyrolyzed plastic oil blended with alumina nano additive</i>  Tarun JohnThomas. Thangapandian D. Sakthivel, Syed Mihad Syed Fakhir Mohideen</p> <p><i>3.Off-Grid Power Generation using SEPIC Converter with P&amp;O for PV System</i></p> <p>Dr.S.Kaliappan*1,Sakthivel D2, N.Maheshkumar3, Dr.Udayakumar Durairaj4, Dr. Pavithra G5, N.Narendran6, R.Rubiyagandhi7</p> <p>.</p>
International Conference Attended	:	NIL
National Conference Attended	:	NIL
Faculty Development Programme Attended/ Workshops Attended	:	<ul style="list-style-type: none"> <li>• <b>Newer Materials - Challenges and Optimization Techniques for Engineering Applications"</b> from November 4th to 9th, 2019 at <b>Syed Ammal Engineering College, Ramanathapuram</b></li> </ul>
NPTEL Courses Attended	:	<p>ENGINEERING THERMODYNAMICS(12 WEEKS)</p> <p>IC ENGINES AND GAS TURBINE(12WEEKS)</p> <p>REFRIGERATION AND AIR</p>

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		CONDITIONING(8WEEKS)  RESEARCH METHODOLOGY(8 WEEKS)
Professional Membership	:	SAE (Society of Automotive Engineers)
Funded project details	:	Performance Enhancement of Domestic Refrigerator using Phase Change Material(PCM)  Got a fund of Rs.10,000 from <b>ISHRAE</b> in academic year 2019-20
Patent details	:	NA
No. of UG Projects Guided	:	26
No. of PG Projects Guided	:	NIL
Awards or Achievements	:	A text book on “Engineering Thermodynamics”,  ARS Publications  Dr.V. Savithiri, T. Mukesh, <b>D. Sakthivel</b>