

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

Staff Name	:	Dr. G M Lionus Leo
Faculty ID	:	TME25
Designation	:	Assistant Professor
Qualification	:	M.E., Ph.D.
E- Mail ID	:	lionusleo@gmail.com
Total Experience (Years)	:	11 Years 04 Months
Teaching Experience (Years)	:	10 Years 10 Months
Industrial Experience (Years)	:	06 Months
Area of specialization	:	Thermal Engineering
Subjects handled in UG with Subject Code	:	GE8152 – ENGINEERING GRAPHICS ME8391 - ENGINEERING THERMODYNAMICS ME8493 - THERMAL ENGINEERING – I ME6016 – ADVANCED IC ENGINES
Department Responsibilities Held	:	File Incharge
Journals published	:	<b>G M Lionus Leo, S Sekar &amp;S Arivazhagan(2018), 'Experimental Investigation, Optimization and ANN Model Prediction of a Gasoline Premixed Waste Cooking Oil Fueled HCCI–DI Engine', Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer, vol. 40, no. 2, doi:10.1007/s40430-018-0967-1 (Annexure I, Impact factor: 1.627).</b> <b>G M Lionus Leo, S Sekar &amp;S Arivazhagan (2019), 'Experimental Investigation, ANN Modelling and TOPSIS Optimization of Gasoline Premixed HCCI-DI Engine with Direct Injection of FeCl<sub>3</sub> Nano Additive Blended WCO', Transactions of FAMENA, ISSN: 1333-1124, vol. 43, no. 3, doi: <a href="https://doi.org/10.21278/TOF.43306">https://doi.org/10.21278/TOF.43306</a> (Annexure I, Impact factor: 0.797).</b>

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		<p><b>G M Lionus Leo, S Sekar &amp; S Arivazhagan</b> (2020), 'Experimental investigation and ANN modelling of the effects of diesel/gasoline premixing in a waste cooking oil-fuelled HCCI-DI engine', Journal of Thermal Analysis and Calorimetry, Springer, doi:10.1007/s10973-020-09418-z (<b>Annexure I, Impact factor: 2.731</b>).</p> <p>S Sekar, S D Sekar, N Valarmathi, and <b>G M Lionus Leo</b>, (2020), 'Energy and exergy analysis of greenhouse drying of ivy gourd and turkey berry', Thermal Science, vol. 24, no. 1 Part B, pp. 645–656. (<b>Annexure I, Impact factor: 1.541</b>).</p>
International Conference Attended	:	<p><b>G M Lionus Leo, S Sekar &amp; S Arivazhagan</b>, (2018), 'Experimental Investigation, ANN Modeling and TOPSIS optimization of Gasoline premixed, Al<sub>2</sub>O<sub>3</sub> nano additive blended WCO direct injected HCCI-DI engine', Emerging Technologies in Mechanical Engineering 2018, Korea, August 2018.</p> <p><b>G M Lionus Leo, S Sekar &amp; S Arivazhagan</b>, (2019), 'Experimental investigation and ANN modeling of the effects of Diesel / Gasoline premixing in a waste cooking oil fueled HCCI-DI engine', 2<sup>nd</sup> International Mechanical Engineering Congress (IMEC) - 2019, National Institute of Technology, Tiruchirappalli, Tamil Nadu, November 2019.</p>
National Conference Attended	:	<p><b>G M Lionus Leo, S Sekar &amp; S Arivazhagan</b>, (2018), 'Experimental Investigation of Gasoline premixed HCCI-DI engine with Al<sub>2</sub>O<sub>3</sub> additive', Emerging Research and Advances in Mechanical Sciences, Velammal Engineering College, March 2018.</p> <p><b>G M Lionus Leo, S Sekar &amp; S Arivazhagan</b> (2017), 'Experimental investigation and optimization of diesel premixing in a Waste Cooking Oil fueled HCCI-DI engine with FeCl<sub>3</sub> / Al<sub>2</sub>O<sub>3</sub> additives', National Conference on Evaluation of Green and Materials Processing Technology, Sri Venkateshwara College of Engineering.</p>
Faculty Development	:	<b>Analytical and Experimental Techniques in Thermal</b>

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Programme Attended/ Workshops Attended	:	<b>Engineering</b> , 4 <sup>th</sup> – 8 <sup>th</sup> June 2018, National Institute of Technology, Rourkela  <b>Recent Developments in Hydrogen Engines</b> , 31 <sup>st</sup> May – 11 <sup>th</sup> June 2010, KCG College of Technology, Chennai.
NPTEL Courses Attended	:	Laws of Thermodynamics
No. of UG Projects Guided	:	15