

## Ph.D Thesis Guidance.

**Ph.Ds Completed Under the Guidance of Dr. S. Shanmugam, Professor (Higher Administrative Grade)**

**Department of Mechanical Engineering**

**National Institute of Technology Tiruchirappalli.**

<b>S. No.</b>	<b>Title of thesis</b>	<b>Name of Student</b>	<b>Year of award of Ph.D</b>	<b>No. of Supervisors</b>	<b>As Supervisor/ co-supervisor</b>	<b>University/ Institution</b>
15.	Combustion performance characteristics of novel hybrid rocket motor using wax fuels in gaseous oxygen	G. Saravanan	2022	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
14.	Experimental and numerical studies on a box-type solar cooker incorporated with Fresnel lenses	Gulsavin Guruprasad Engoor	2022	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
13.	An experimental and kinetic study on biogas generation through anaerobic co-digestion of cow dung with cotton seed hull	Venkateshkumar R	2022	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
12.	Theoretical and experimental studies on dual-inclined oscillating bed with double-pass solar dryer or agricultural produce	G. P. Arul	2021	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
11.	Numerical and experimental investigations on standalone solar thermoelectric power generator	G. Muthu	2018	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
10.	Determination of heating surface area in small capacity boilers.	S. Sakthivel	2013	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>

<b>S. No.</b>	<b>Title of thesis</b>	<b>Name of Student</b>	<b>Year of award of Ph.D</b>	<b>No. of Supervisors</b>	<b>As Supervisor/ co-supervisor</b>	<b>University/ Institution</b>
9.	On plastic loads in shape-imperfect pipe bends subjected to internal pressure and in-plane closing bending moment.	T. Christo Michael	2012	2	Co-Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
8.	An analysis of performance and contact characteristics of optimized involute spur gears with tooth modifications.	R. Gurumani	2011	1	Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
7.	Studies on Solar Parabolic Dish Thermoelectric Generator	M. Eswaramoorthy	2011	1	<i>Supervisor</i>	<i>National Institute of Technology Tiruchirappalli</i>
6.	Theoretical and Experimental Studies on Oscillating Bed Solar Dryer.	P. Kumar	2011	1	<i>Supervisor</i>	<i>National Institute of Technology Tiruchirappalli</i>
5.	An experimental study on rings from sintered hot forged ferrous preforms alloyed with carbon, molybdenum, silicon and copper.	Syed Ummer M. Thangal	2009	2	Co-Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
4.	A study on pipe bends with ovality and thinning subject to internal fluid pressure.	AR. Veerappan	2008	1	<i>Supervisor</i>	<i>National Institute of Technology Tiruchirappalli</i>
3.	Theoretical and experimental studies on a sun-trapping paraboloidal dish concentrator	W. Christraj	2008	1	<i>Supervisor</i>	<i>Bharathidasan University</i>
2.	Cold deformation behaviour of sintered iron-carbon-molybdenum and iron-carbon-silicon-copper steels.	A. Rajeshkannan	2007	2	Co-Supervisor	<i>National Institute of Technology Tiruchirappalli</i>
1.	A study on roof-integrated system of transparent multicover solar flat plate collector for expanded fluidized bed agricultural dryer	A.Hyacinth Diana	2005	1	Supervisor	<i>Bharathidasan University</i>

