



**GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Academic Year 2018-19**

**List of In-house R & D Projects**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Project</b>	<b>UG/PG Students</b>	<b>Amount Sanctioned</b>	<b>Remarks</b>
1	Mr.N.Anjaneyulu	Design & analysis of SUV chassis and its passenger cabin cavity	UG		Published in Conference
2	T. Sunil Kumar	High speed emergency aerial vehicle	UG		Published in Conference/ Developed Prototype
3	Ch. Manikiran	Design and analysis of motor bike frame	UG		Published in Conference
4	M.Mahendra Babu,	Design and analysis of heavy vehicle rear axle	UG		Published in Conference
5	I. Venkatesh	Fabrication & analysis of mechanically operated rotational scissors lift	UG		Published in Conference/ Developed Prototype
6	Y. Murali Krishna	Fabrication and analysis of belt type oil skimmer	UG		Published in Conference/ Developed Prototype
7	Mr. Rahamath Basha Shaik	Performance Analysis of Vapour Compression Refrigeration System under alternative Refrigerant	UG		Published in Conference/ Developed Prototype
8	Subramanyam.C	Modifying the Fin Design and Improving Thermal Efficiency of Super Heater Tube	UG		Published in Conference



**GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Academic Year 2017-18**

**List of In-house R & D Projects**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Project</b>	<b>UG/PG Students</b>	<b>Amount Sanctioned</b>	<b>Remarks</b>
1	Mr. Mahendra Babu	Design and Fabrication of Rice Transplanter	UG		Developed Prototype
2	Mr. Y. Murali Krishna	Fabrication And Performance of Step Climbing Robot By Using Rocker Bogie Mechanism	UG		Developed Prototype
3	Mr. I. Venkatesh	Solar Powered Air Conditioning System Using Peltier Elements	UG		Developed Prototype
4	Mr. Ch. Mani Kiran	Compressed Air Engine	UG		Developed Prototype
5	Mr. K.R. Sreedhar	Design and Fabrication of Airflow Regulating Valve for Automatic Speed Control in Automobiles	UG		Developed Prototype



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**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Academic Year 2016-17**

**R & D and Consultancy Activities**

**List of In-house R & D Projects**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Project</b>	<b>UG/PG Students</b>	<b>Amount Sanctioned</b>	<b>Remarks</b>
1	Mr. Sk Rahamath Basha	Fabrication and Installation of Horizontal Axis Wind Turbine	UG		Developed Prototype
2	Mr. Y.Murali Krishna	Fabrication and Analysis of Solar Car	UG		Developed Prototype
3	Mr. K.R.Sreedhar	Fabrication of Mono Seater Four Wheeler with Live Axle	UG		Developed Prototype
4	Mr. M.V.Raaja	Fabrication of Air Conditioning cum Water Chiller with Single Compressor	UG		Developed Prototype
5	Mr. P. Srinivasulu	Fabrication of Treadmill Bicycle	UG		Developed Prototype
6	Mr. P. Krishna Chaitanya	Fabrication of Solar Power Tricycle	UG		Developed Prototype



**GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Academic Year 2015-16**

**List of In-house R & D Projects**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Project</b>	<b>UG/PG Students</b>	<b>Amount Sanctioned</b>	<b>Remarks</b>
1	Mr. Sk Rahamath Basha	Fabrication and Experimental Analysis of Vapour Compression Refrigeration System	UG		Developed Prototype
2	Mr. G. Venkaiah	Fabrication of Electric Motor Bike	UG		Developed Prototype
3	Mr. J. Narendra	Fabrication and Performance of Dual Side Reciprocating Pumping System	UG		Developed Prototype
4	Mr. K. Bala Pratap	Fabrication of Multi Purpose Operating Machine	UG		Developed Prototype
5	Mr. M.V. Raaja	Design and Fabrication of Power Generation by using Speed Breakers	UG		Developed Prototype
6	Mr. P. Sreenivasulu	Fabrication and Analysis of Portable Spot Welding Machine	UG		Developed Prototype



**GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGY::NELLORE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Academic Year 2014-15**

**List of In-house R & D Projects**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Title of the Project</b>	<b>UG/PG Students</b>	<b>Amount Sanctioned</b>	<b>Remarks</b>
1	Mr. Y. Murali Krishna	Fabrication and analysis of electric car with regenerative braking system	UG		Developed Prototype