

## **M.TECH PROJECT DETAILS-ENERGY ENGINEERING AND MANAGEMENT (2014-2016)**

<b>S. No.</b>	<b>Roll No.</b>	<b>Name of Student</b>	<b>Guide/s</b>	<b>Title of Project</b>	<b>Year</b>
1	M140389ME	Vinothkumar K	Dr. S. Jayaraj	Parametric studies of a simple direct expansion solar assisted heat pump using ANN and GA	2016
2	M140502ME	Bharathisankar R	Dr. S. Jayaraj	Study on up-gradation of biogas by scrubbing CO <sub>2</sub> and H <sub>2</sub> S	2016
3	M140475ME	Krishnakumar R	Dr. S. Jayaraj	Investigation on microbial fuel cell with algae assisted cathode	2016
4	M140539ME	Charmala Suresh	Dr. L.G. Kirankumar	Thermal comfort analysis of naturally ventilated buildings	2016
5	M140520ME	Anup Johnson	Dr. Shaija A	Theoretical and experimental analysis of enhanced convection serpentine flow field from PEM fuel cell	2016
6	M140499ME	Prasanth P	Dr. Shaija A	Microalgae cultivation in bubble column photobioreactor & production of biodiesel	2016
7	M140579ME	Tomson Sebastian	Dr. Shaija A	Design, fabrication and testing of novel Fresnel lens solar collector for day lighting and water heating	2016
8	M140478ME	Varun Sankar	Dr. Shaija A	Study on the effects of nano-additives on avocado biodiesel in VCR engines	2016

9	M140546ME	Arjun M.S.	Dr. Biju T Kuzhiveli	Dynamic and thermodynamic analysis of Stirling cryocooler	2016
10	M140144ME	Hiraklal Chakraborty	Dr. Biju T Kuzhiveli	Modeling and analysis of Joule-Thomson system	2016
11	M140152ME	Kushal Moshahary	Dr. Biju T Kuzhiveli	Design and analysis of Stirling type inertance pulse tube cryocooler	2016
12	M140474ME	Vimal K.I.	Dr. M Srinivas	An experimental investigation of heat pipe based solar concentrating PV panel cooling system	2016
13	M140480ME	Ashkar Shamsu	Dr. Arun P and Dr. C. Muraleedharan	Theoretical and experimental analysis on tar reduction in air - steam gasification of biomass	2016
14	M140481ME	Vipin VC	Dr. C Muraleedharan	Comparison of enzyme activity on high FFA rubber seed oil for biodiesel production	2016
15	M140510ME	Akhil Varghese	Dr. Arun P and Dr. C. Muraleedharan	Analysis on nitrogen removal in fluidised bed air-steam gasification of biomass	2016
16	M140498ME	Basil Issac Mathew	Dr. Arun P and Dr. C. Muraleedharan	Kinetic Modelling and Experimental Analysis On Biomass Gasification With Carbon Dioxide Absorption	2016