

## M.TECH THERMAL ENGINEERING PROJECT LIST -2017-19

Sr.No	Name	Title	GUIDE NAME	External Name	Thesis Submitted Date
01	BAVISKAR LOKESH SHANTARAM	Numerical investigation of transient solidification behavior of cast with and without feeding aids	Dr. R. S. Maurya		Aug 2019
02	HULSURE SHRINIVAS SUBHASH	Design and Development of Naturally ventilated E-Commerce Mega Warehouse	Dr. R. S. Maurya		Aug 2019
03	IMRAN ISMAIL SHEIKH	Numerical investigation of drag and lift coefficient on a fixed tilt ground mounted photovoltaic module system over inclined terrain	Dr. R. S. Maurya		Aug 2019
04	MOTKAR VIDYA BHARAT	Designing and characterization of a high Reynolds number stratified chilled water thermal storage tank	Dr. R. S. Maurya		Aug 2019
05	KAMBALE AJAY SHRAVAN	Heat transfer analysis in compound parabolic collector	Dr. S. S. Umale		Aug 2019
06	KAMBLE SANTOSH RAMESH	Development of Thermoelectric cooling system with phase change material	Dr. S. S. Umale		Aug 2019
07	OMKAR AJAY YADAV	Numerical investigation on divergent section in orifice of pressure swirl atomizer	Dr. S. S. Umale		Aug 2019
08	PATEL HITAV UMEDBHAI	Parametric Study on Natural Circulation Loop Thermal-hydraulic behavior using Drift Flux Model	Dr. B. N. Bhasme		Aug 2019
09	SURYAVANSHI BHUSHAN PRAMOD	Design and Optimization of Shell and Tube Waste Heat Boiler with Cold Bypass	Dr. B. N. Bhasme		Aug 2019
10	KARANDIKAR SHRIDHAR SUHAS	Performance Analysis of Multi Field Solar thermal power plant	Dr. B. N. Bhasme		Aug 2019

11	SHIRSATH SUYOG KASHINATH	Performance analysis of double pipe heat exchanger	Prof. K. Y. Bhavsar		Aug 2019
12	VARMA RACHIT KARUNESH KUMAR	Numerical Analysis of Heat transfer augmentation in a heat exchanger tube using perforated twisted tapes	Prof. K. Y. Bhavsar		Aug 2019
13	WARRIER NEERAJ PRASANNAN LATHIKA	Numerical Investigation of Arc Dynamics in low voltage circuit breakers	Prof. K. Y. Bhavsar		Aug 2019

## M.TECH THERMAL ENGINEERING PROJECT LIST -2018-20

Sr.No	Name	Title	GUIDE NAME	External Name	Thesis Submitted Date
1	TIWARI CHANDRAPRAKASH ASHOK	Characterization of 18650 lithium ion cells for efficient cooling	Dr. R. S. Maurya	Dr. Ashish Choudhary	August 2020
2	WAYBASE BABA TULSHIRAM	“Design and Development of Forced Air Cooled Battery Package for Electric Vehicles”	Dr. R. S. Maurya	Dr. Ashish Choudhary	August 2020
3	GURSALE PRASAD BHASKAR	“TO INVESTIGATE CHARACTERISTICS OF PENETRATION FOR FREE & SUBMERGED LIQUID JETS”	Dr. R. S. Maurya	Dr. Ashish Choudhary	August 2020
4	PATHADE SWATI LAXMAN	"Improving Thermal performance of Chilled Water Storage Tank-A Numerical Study"	Dr. R. S. Maurya	Dr. Ashish Choudhary	August 2020
5	PATEL ASHOK MAVJI	“Design and Thermal Analysis of Energy Storage Tank for Solar Hydrogen Generation Facility with AlSi12 and Molten Salt as Energy Storage Material”	Dr. R. S. Maurya	Dr. Ashish Choudhary	August 2020
6	KADAM SUHAS SANJAY	Numerical Investigation on Effect of various fin geometries on heat dissipation of traction motors used in electric vehicles	Dr. S. S. Umale	Dr. Dalu R. S.	August 2020
7	KALE NAGRAJ CHANDRAKANT	Determination and control of flow induced vibration in tube bundles of shell and tube heat exchanger	Dr. S. S. Umale	Dr. Dalu R. S.	September 2020
8	MUNDHE AKSHAY PHULCHAND	CFD Analysis of Gas Turbine Blade tip cooling for enhancement of heat transfer characteristics	Dr. S. S. Umale	Dr. Dalu R. S.	August 2020
9	PATIL SHASHANK ASHOK	Numerical Investigation of Heat Transfer Characteristics of Pulsating Turbulent Flow in a Straight Circular Pipe	Dr. S. S. Umale	Dr. Dalu R. S.	August 2020
10	KAZI SWALEHA BASHIR	Optimization of Thermal and Mechanical Design of Steam Drum and Design of Internals	Dr. S. S. Umale	Dr. Dalu R. S.	August 2020
11	JADHAV KETAN MILIND	Numerical investigation of flow over a square cylinder in presence of short plate	Dr. B. N. Bhasme	Dr. K. N. Murugan	August 2020

12	PATIL MAKARAND DIGAMBAR	Numerical investigation on the heat transfer rate of the Helical Coil Heat Exchanger	Dr. B. N. Bhasme	Dr. S. R. Nikam	August 2020
13	PATIL NILESH SANTOSH	Numerical Investigation to optimize the CO2 finned gas cooler for refrigeration system	Dr. B. N. Bhasme	Dr. S. R. Nikam	August 2020
14	PAWAR YOGESH RAMESH	Station blackout analysis of Indian pressurised heavy water reactor	Dr. B. N. Bhasme	Dr. Nilaj Deshmukh	August 2020
15	BIRAMBOLE ASHISH VISHWAS	Optimum Baffle Segment Configuration for Shell and Tube Heat Exchanger: A Numerical Analysis	Prof. Kunal Bhavsar	Dr. S. R. Nikam	August 2020
16	GEEDH KUNAL JAGDISH	Numerical Analysis of flow through a 3-Dimensional Channel pertaining Porous Medium with varying boundary conditions	Prof. Kunal Bhavsar	Dr. S. R. Nikam	August 2020
17	PINGALE MAYURESH ANKUSH	Analysis of Air Quality In A Laboratory Equipped With Split Ac	Prof. Kunal Bhavsar	Dr. S. R. Nikam	August 2020
18	PATIL ASHISH VASANT	Numerical Investigation of Flow Behaviour In Plate Heat Exchangers with Different Surface Profiles	Prof. Kunal Bhavsar	Dr. S. R. Nikam	August 2020