

INHOUSE PROJECTS

Academic Year	Roll No	Student Name	Project Title
2021-22	16BME109	SOLANKI BHADRESH	Multi-response optimization in bobbin tool friction stir processing (AA6061/B4C)
2021-22	16BME111	SOLANKI UTSAV PRAKASHCHNDRA	Economic analysis of wind energy resources
2021-22	18BME011	PRAJAPATI DARSHIT VIJAYKUMAR	Experimental investigation of Solar Photo Fenton process for Industrial Waste Water Treatment
2021-22	18BME013	MARAKANA DEVARSH DINESHBHAI	Atmospheric CO2 Capture
2021-22	18BME021	KELSHIKAR DIVYA SACHIN	Welding Of advanced steels
2021-22	18BME031	JOSHI HETARTH RAKESH KUMAR	Experimental investigations on solar assisted heat pump water heater
2021-22	18BME039	RANINGA KASHYAP PARESHBHAI	Fluid flow instability of flow over a NACA 0012 airfoil using OpenFOAM
2021-22	18BME045	VACHHANI KUSHKUMAR DIPAKBHAI	Climate change impact on renewable energy resources
2021-22	18BME046	PARMAR LAXMIKANT ARVINDBHAI	Thermo economic analysis and optimization of refrigeration system
2021-22	18BME047	YASH JAIN	Focused Wave generation based on Linear NewWave Theory, using OpenFOAM
2021-22	18BME048	MALAY VERMA	Fluid flow instability of flow over cylinder using OpenFOAM
2021-22	18BME054	MAKWANA MIHIR JITENDRAKUMAR	Heat transfer enhancement techniques in boiling heat transfer
2021-22	18BME060	SUTHAR MOHIT RATANBHAI	Additive Manufacturing of advanced Aluminium alloy
2021-22	18BME067	NEHAL VARMA	Machine Learning applications in Additive Manufacturing
2021-22	18BME069	PARIKH NIPUN HARDIT	Wire arc additive manufacturing of advanced steels

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2021-22	18BME071	VYAS NIRMAL JITENDRA	Implementation of a secondary droplet breakup model in OpenFOAM
2021-22	18BME077	PAREKH PARTH JAYESHBHAI	Bio Inspired wind farm layout optimization
2021-22	18BME079	PARTH GABANI	Effect of process parameters on composite formation using bobbin tool friction stir processing
2021-22	18BME080	MOTKA PARTHKUMAR MAVJIBHAI	Climate change impact on wind energy potential
2021-22	18BME086	SHAH RAHIL MUKESHKUMAR	Exergy analysis of solar drying system
2021-22	18BME087	RAHUL MANOJ PINCHA	Offshore wind energy potential along India
2021-22	18BME088	RANAVAYA RAM VISA	Design of Bird Repelling Drone for Airports
2021-22	18BME089	KANTARIYA RISHI DILIP	Electric Vehicle Development: the past, present and future in India
2021-22	18BME093	UNAGAR SAGAR PRAVINBHAI	Wire Arc Additive Manufacturing of Inconel 625
2021-22	18BME101	PATEL SMEET VISHNUBHAI	Designing and analysis of platform for solar system used for home using natural composites
2021-22	18BME102	CHAMPANERI SMIT NIKUNJBHAI	Wave induced FSI problems in OpenFOAM
2021-22	18BME105	PATEL SPARSH VINODBHAI	SMA wire engine
2021-22	18BME107	ZALA SWARUP JHAJI	Design and Development of platform for Solar Floater
2021-22	18BME110	THIRA KISMAT PATEL	Collaborative Robots in Robotics Operating System
2021-22	18BME111	KARN VIPULKUMAR KAVATHIA	Additive Manufacturing of stainless steel
2021-22	18BME115	VEDANT SANGHVI	A review of synthetic data generation using advanced machine learning techniques for mechanical engineering applications.

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Academic Year	Roll No	Student Name	Project Title
2021-22	18BME119	PATEL VISHVKUMAR DHARMENDRAKUMAR	FEM of 4D printing of smart materials.
2021-22	18BME120	GOVALIYA VISHVRAJBHAI SHANTUBHAI	Exergy analysis of solar water heating system
2021-22	18BME121	CHUDASAMA VIVEK LALITBHAI	Simulation of SLM process using OpenFoam.
2021-22	18BME122	VYAS VIVEKANAND DINESHBHAI	Fabrication of hybrid surface composite (AA6061/SiC/B4C) using bobbin tool friction stir processing
2021-22	18BME126	GOHIL YOGESHBHAI KHIMAJIBHAI	Numerical modelling of scutoid based Sandwich Structure
2021-22	18BME127	SHAH YUG BIRENBHAI	Numerical analysis of flow and heat transfer from porous block
2021-22	18BME130	DARIO BANZE	Waste heat recovery system for small scale industries
2021-22	18BME137D	HIM HARESHKUMAR PATEL	Design of solar powered aeration system
2021-22	18BME138D	JASH ASHISHKUMAR MODI	Non-contact inspection of machined products
2021-22	18BME139D	MAKWANA JATINKUMAR VINODBHAI	Condition monitoring of cutting tools using Vision system
2021-22	18BME143D	SAGARBHAI RUPAJI MAJIRANA	Machining of Wire Arc Additively Manufactured parts
2021-22	18BME144D	SAHIL KUMAR JITENDRA BORICHA	Experimental investigations on machining aspects of difficult-to-cut materials
2021-22	18BME146D	SIDDHARTH SINGH PUROHIT	Friction Stir Processing of Additively Manufactured components
2021-22	18BME148D	TSSHERING DORJI	Utilization of Phase Change Materials for building energy conservation