

INHOUSE PROJECTS

Academic Year	Roll No	Student Name	Project Title
2020-21	16BME027	DULERA DEVEN RAMJIBHAI	Climate change studies on renewable energy resources
2020-21	16BME174D	PURBIYA VIKAS BATUKLAL	Prediction of friction stir welding characteristics using Machine learning
2020-21	17BME001	AADITH SATHIAN P SATHIANADHAN O P	Design of ultrasonic vibration assisted set-up for EDM process
2020-21	17BME002	AADITYA TRIVEDI	Friction stir processing of additively manufactured part of AlSi10Mg.
2020-21	17BME004	AMAN AGARWAL	Experimental investigation of dry machining for nickel based alloys in turning
2020-21	17BME007	BHAJGOTAR ROHITKUMAR DEVASIBHAI	Design and operational condition optimization of a rotary regenerative heat exchanger
2020-21	17BME008	BHUVARIDHAM KISHORBHAI	Ultrasonic welding of dissimilar metals
2020-21	17BME014	CHOKSHI SANKET NAIMESHBHAI	Designing of Battery Packs and Electric Vehicles
2020-21	17BME015	CHOVATIYA SANTOSH RASIKBHAI	Study of Surface quality and critical process parameters of MFAF process
2020-21	17BME016	CHUDASAMA VISHALBHAI PRAVINBHAI	Solutions for increasing the Crash worthiness of a vehicle.
2020-21	17BME023	DHRUV JHALANI	Experimental investigation of wet machining for nickel based alloys in turning
2020-21	17BME024	DOBRIYAL AASHUTOSH ANSUYAPRASAD	Optimization of Additive manufacturing processes parameters using machine learning
2020-21	17BME033	JAIN ARYAN KAMLESH	Additive manufacturing
2020-21	17BME034	JATIN VILAS DHAKATE	Battery charge stations for electric vehicles
2020-21	17BME036	JOBANPUTRA JHANVI DHRUVBHAI	Design and development of techniques for recycling of plastic waste into meaningful components

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2020-21	17BME038	KAPADIA HARDIK SNEHAL	Development of UAV for deployment at Siachen Glacier
2020-21	17BME040	KIRI PRITESH DILIPBHAI	Ultrasonic welding of dissimilar materials
2020-21	17BME042	MANN SHAH	Technology for self-inflation of vehicle Tyres
2020-21	17BME044	MAANVENDRA SINGH SONGIRA	CFD simulation of Welding
2020-21	17BME045	MAVANI NINAD HITESH	Stability analysis of boundary layer flows using NEKTAR++ an open source software
2020-21	17BME046	MEHTA BHAVYA BHADRESHBHAI	Experimental test rig development for vertical falling film over fluted pipe: Design and Fabrication
2020-21	17BME047	MEHTA DIVYAM VIJAYBHAI	Robot Operating System (ROS) based control of industrial robots
2020-21	17BME049	NIRAL JHAVERI	Friction stir processing of additively manufactured part of AlSi10Mg.
2020-21	17BME054	NANDITA LIMBASIYA	Additive manufacturing
2020-21	17BME057	NISARG GIRISHKUMAR MISTRY	Design and operational condition optimization of a rotary regenerative heat exchanger
2020-21	17BME058	PALLAV GUPTA	Micro fluid
2020-21	17BME059	PARAKH HIMANSHU RAJENDRA	Advanced Characterization of friction stir welded joints
2020-21	17BME064	PARTH RAJAN SHETHJI	Machining of carbon re-enforced plastic
2020-21	17BME066	PATEL DEVARSH CHANDRAKANT	Advanced Characterization of friction stir welded joints
2020-21	17BME067	PATEL DHANANJAYKUMAR NILESHBHAI	A novel coating method for metallic components
2020-21	17BME068	PATEL DHRUVKUMAR DIPAKBHAI	A novel coating method for metallic components

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Academic Year	Roll No	Student Name	Project Title
2020-21	17BME070	PATEL HETKUMAR ASHWINBHAI	Effect of different tool electrodes (wire) in wire-electrical discharge machining for surface analysis of Inconel 718 (Co-guide: Dr. Jay)
2020-21	17BME071	PATEL JOBAN RAMJIBHAI	Experimental study of thin film formation and variation of thickness over length of a fluted pipe.
2020-21	17BME072	PATEL KISHAN HARESHBHAI	Experimental study of thin film formation and variation of thickness over length of a fluted pipe.
2020-21	17BME078	PATEL PARTH RAJNIKANT	Assessment of Suitability of Air Humidification Based Waster Water Treatment for Ceramic Industry
2020-21	17BME080	PATEL PURVAM VIRENDRA	Effect of process parameter on BTFSWed AZ31 alloy
2020-21	17BME082	PATEL RUTVIKKUMAR MUKESHBHAI	Utilization of Phase Change Material as thermal shield in automobiles for cooling load reduction
2020-21	17BME083	PATEL SHALIN ALPESH	Time Series Forecasting for Industrial Applications Using Machine Learning Techniques.
2020-21	17BME086	PRAJAPATI DHRUMILKUMAR MAHESHBHAI	Analysis of the wind and solar energy complementarily in India
2020-21	17BME088	RUTVIK RAJESH GHIYA	Friction stir welding of metal to plastic
2020-21	17BME089	SAMARTH MAHAVIR ACHARYA	Stability analysis of boundary layer flows using NEKTAR++ an open source software
2020-21	17BME091	SATHAVARA JAIMIN KISHORBHAI	Performance and Economical Analysis of Mechanical Heat Pump

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2020-21	17BME092	SAVALIYA MANTHAN MANSUKHBHAI	Assessment of Suitability of Air Humidification Based Waster Water Treatment for Ceramic Industry
2020-21	17BME093	SHAH HARSH HARDIKKUMAR	Effect of process parameter on BTFSWed AZ31 alloy
2020-21	17BME094	SHAH HEM SAMIR	Multi-response optimization of WEDM process parameters for pure titanium
2020-21	17BME097	SHAH RUTVI MITESH	Review of Methods of Thermal Management of Batteries for Electric Vehicles
2020-21	17BME101	SHETH MANAV BHAVESHBHAI	Experimental investigations of powder-mixed WEDM process for nitinol SMA
2020-21	17BME102	SHIVAM GUPTA	Machining of carbon re-enforced plastic
2020-21	17BME107	SWATI SRIVASTAVA	Design and development of techniques for recycling of plastic waste into meaningful components
2020-21	17BME108	TRIVEDI VATSAL KASHYAPBHAI	Numerical/CFD Simulation of hydrodynamic Journal Bearings operating in turbulent regime.
2020-21	17BME114	VINEET NATH	Variation of dielectric media in EDM Machining
2020-21	17BME116	PRATYUSH SRIVASTAVA	Machine learning in 3D printing for effective product design and development
2020-21	17BME122D	PATEL DHRUV PRAXSHITBHAI	Development of Sustainable urban farming solutions using novel Hydroponics method
2020-21	17BME123D	KHATRI DISHIT JAYANTILAL	LBW of dissimilar metals
2020-21	17BME124D	GNAN OZA	Designing of Battery Packs and Electric Vehicles

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2020-21	17BME126D	HINGORANI HARSH MANOHAR	Waste to Wealth: Generation of Wealth from Industry Waste
2020-21	17BME129D	VAJA KALPESH GOVINDBHAI	Multi-criteria decision analysis for offshore wind energy potential in India
2020-21	17BME138D	GAMI RAJ YASHVANTBHAI	Multi-criteria decision analysis for offshore wind energy potential in India
2020-21	17BME141D	RAJNISH KUMAR	Experimental and Numerical study of Wire Arc Additive Manufacturing process