

B.Tech Project
Department of Metallurgy and Materials Science
Year 2020-21

Name	MIS NO	Project Title	Guide name
Kruttika Ghumade	141811007	Photocatalytic activity of α -Fe ₂ O ₃	S P Butee
HALMARE TANUSHRI RAJENDRA	111711020	"Retained Austenite control in S52100 bearing steel by heat treatment and low temperature treatment	S B Sarkar
KIRTI YUWARAJ TALEKAR	141811006	"Retained Austenite control in S52100 bearing steel by heat treatment and low temperature treatment	S B Sarkar
AMOL LAXMAN DALAVI	141811001	"Ductile to Brittle transition in steel"	S B Sarkar
PANDURANG NAWALE	111611026	"Ductile to Brittle transition in steel"	S B Sarkar
NIKHIL RATANLAL BIRO	141811009	"SYNTHESIS AND CO ₂ ABSORPTION STUDIES ON Li ₂ ZrO ₃ COMPOUNDS"	S P Butee
VISHAL KISHANRAO GHULE	141811014	"SYNTHESIS AND CO ₂ ABSORPTION STUDIES ON Li ₂ ZrO ₃ COMPOUNDS"	S P Butee
BADE PRASHANT RAMNATH	111711007	3D Printing Of Metals Using Laser	M J Rathod
RATHI PARTH ASHISH	111711044	A Study on Fabrication and Electrical Properties of Li ₂ O – Al ₂ O ₃ – TiO ₂ – P ₂ O ₅ Glasses and Glass Ceramics as Solid-State Electrolytes in Li-Ion Batteries	K R Kamble
RATHOD SIDDHI ATUL	111711045	A Study on Fabrication and Electrical Properties of Li ₂ O – Al ₂ O ₃ – TiO ₂ – P ₂ O ₅ Glasses and Glass Ceramics as Solid-State Electrolytes in Li-Ion Batteries	K R Kamble
ADSARE UMAKANT SURESH	111711001	Aluminium 7075 alloy and effect on its properties by various process	V T Thavale
ASHUTOSH LAXMAN SAWANT	111711006	Aluminium 7075 alloy and effect on its properties by various process	V T Thavale
SHIVDE SUJOY SUBODH	111611045	Bio-tribological Corrosion in Orthopedic Implants	S T Vagge
Neelam Nikam	111711039	Bio-tribological Corrosion in Orthopedic Implants	S T Vagge
ANSHUL KATHANE	111711004	Breathable and Flexible Polymer Membranes with Mechanoresponsive Behaviour	Rishika Verma
BALAPURE PRAJWAL PRADIP	111711008	Breathable and Flexible Polymer Membranes with Mechanoresponsive Behaviour	Rishika Verma
LOTHE SANKET KUNDLIK	111711029	Composite Hybrid Chassis Design for Formula SAE Race Car	M G Kulthe
YOGESH MAHADEV SHETE	111711059	Composite Hybrid Chassis Design for Formula SAE Race Car	M G Kulthe
VISMAY CHANDRA	111711058	Design and Development of Environment Friendly Thermoelectric Material	N B Dhokey

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TAHER BURHANI BALASINORWALA	141811013	Design and Development of Environment Friendly Thermoelectric Material	N B Dhokey
AMEY VIJAY KULKARNI	111711003	Effect of aging parameters on NiTi shape memory alloys and simulation of mechanical loading on NiTi	A N Shinde
GIJARE SOURABH ABHAY	111711018	Effect of aging parameters on NiTi shape memory alloys and simulation of mechanical loading on NiTi	A N Shinde
JADHAV AMEY SANJAY	111711062	EFFECT OF INCLUSIONS ON IMPACT STRENGTH OF STEEL	S B Sarkar
KSHITIJ DINANATH GHORMADE	141811004	EFFECT OF INCLUSIONS ON IMPACT STRENGTH OF STEEL	S B Sarkar
Premkumar Jadhav	111611060	EFFECTS OF ADDITION OF SILVER AND FURTHER THERMOMECHANICAL PROCESSING ON THE SHAPE MEMORY CHARACTERISTICS AND CORROSION BEHAVIOUR OF NiTiCu ALLOYS	A N Shinde
SAPKALE ASHISH RAJENDRA	111711050	Enhanced Formability and Strength Recovery of Al 7075 with WT forming and Duplex Aging Process.	S U Dangarikar
OMKAR HARISH PATEL	111711065	Enhanced Formability and Strength Recovery of Al 7075 with WT forming and Duplex Aging Process.	S U Dangarikar
BHAND HARSHADA MACHHINDRA	111711009	Fabrication of Aluminium based alloy reinforced Graphene for Heat Sink Applications	N B Dhokey
SATYAM SAMBHAJI SASTARE	111711052	Fabrication of Aluminium based alloy reinforced Graphene for Heat Sink Applications	N B Dhokey
GANDHI SEJAL PRASHANT	111711061	FEM simulation of plate rolling of microalloyed IS2062E350 grade of Steel using Deform 3D Software	Madhuranjan
KAJAL BALASAHEB TANTAK	141811005	FEM simulation of plate rolling of microalloyed IS2062E350 grade of Steel using Deform 3D Software	Madhuranjan
MASULKAR VINIT SHRAWAN	111711031	FINITE ELEMENT ANALYSIS OF HOT ROLLING OF HIGH PHOSPHORUS STEEL	Madhuranjan
NALIN SINGH	111711036	FINITE ELEMENT ANALYSIS OF HOT ROLLING OF HIGH PHOSPHORUS STEEL	Madhuranjan
GANGURDE DIPESH SITARAM	111711015	Hydroxyapatite Polymer Matrix Composite: Mechanical and Thermal Properties and Application in load bearing orthopaedic Implant	M G Kulthe
PRASHIK VIKAS LOKHANDE	111711043	Hydroxyapatite Polymer Matrix Composite: Mechanical and Thermal Properties and Application in load bearing orthopaedic Implant	M G Kulthe
NIHAR ANIL PATIL	111711038	Laser Cladding on Mild Steel substrate FINAL PROJECT REPORT	M J Rathod
PATEL ANAL HARSHAD	111711066	Laser Cladding on Mild Steel substrate FINAL PROJECT REPORT	M J Rathod
ANUJA ASHOK HADKE	141811002	LEAD ZIRCONATE TITANATE DOPING WITH NIOBIUM	A P Pacharne

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CHINMAY VIJAY PATIL	141811003	LEAD ZIRCONATE TITANATE DOPING WITH TANTALUM AND LANTHANUM	A P Pacharne
RISHABH MOTIRAM THAKRE	141811010	LEAD ZIRCONATE TITANATE DOPING WITH TANTALUM AND LANTHANUM	A P Pacharne
FOUZIYA ANJUM MOHAMMAD FAROOQUE	111711013	MATHEMATICAL MODELLING OF NITRIDING OF PURE IRON	P G Ranaware
GUPTA BIDISHA SURJYAKUMAR	111711019	MATHEMATICAL MODELLING OF NITRIDING OF PURE IRON	P G Ranaware
DESHPANDE PRATIK SUNILRAO	111711011	MECHANICAL ALLOYING OF HIGH PRESSURE TORSIONED NICKEL AND ALUMINIUM POWDER TO SYNTHESIZE INTERMETALLIC COMPOUND NiAl AND Ni ₃ Al	P G Ranaware
NIGUDAGE GANESH MAHADEV	111711037	MECHANICAL ALLOYING OF HIGH PRESSURE TORSIONED NICKEL AND ALUMINIUM POWDER TO SYNTHESIZE INTERMETALLIC COMPOUND NiAl AND Ni ₃ Al	P G Ranaware
KULKARNI KAUSHIK SANJAY	111711026	MODELLING OF BALLISTIC IMPACT OF STEEL PROJECTILES AGAINST ALUMINIUM PLATES	A M More
MUNDIWALE SACHIN RAJESH	111711034	MODELLING OF BALLISTIC IMPACT OF STEEL PROJECTILES AGAINST ALUMINIUM PLATES	A M More
AISHWARYA JANBANDHU	111711002	Parametric Analysis of Electrode materials for Heat generation in Sodium ion battery : A material selection approach	V S Poddar
KAMAT NEETA RAJENDRA	111711023	Parametric Analysis of Electrode materials for Heat generation in Sodium ion battery : A material selection approach	V S Poddar
GHOTGE SHREEYA VINAYAK	111711017	Piezoelectricity in Bulk AlN Ceramics	K R Kamble
SATYAJEET ABASAHEB NAGARGOJE	111711051	Piezoelectricity in Bulk AlN Ceramics	K R Kamble
GADE SHRUTI ANIL	111711014	Plasma Nitriding Duplex Steel for Oil and Gas Applications	S T Vagge
SABADE HRISHIKESH KISHOR	111711047	Plasma Nitriding Duplex Steel for Oil and Gas Applications	S T Vagge
NIKHIL BHANUDAS BAMNEKAR	141811008	Simulation of Ballistic Performance of AISI 4340 Steel	A M More
SAMMED SUSHIL KAMIRE	141811012	Simulation of Ballistic Performance of AISI 4340 Steel	A M More
HARSHADA MADHUKAR NANHE	111711021	Study of Mechanical Properties of Ceramic filled PES Nano Composite	Rishika Verma

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KUSALKAR PRATIKSHA RAJENDRA	111711027	Study of Mechanical Properties of Ceramic filled PES Nano Composite	Rishika Verma
PATIL NEHA MADHUKAR	111711040	STUDY OF SODIUM ION BATTERY KINETICS	V S Poddar
PATIL SHIVANI KAILAS	111711041	STUDY OF SODIUM ION BATTERY KINETICS	V S Poddar
RODGE VISHAKHA SHIRISHRAO	111711046	STUDY OF SODIUM ION BATTERY KINETICS	V S Poddar
SONAWANE GANESH RAJMAL	111711054	Synthesis and Characterization Of Benzoyl DimethoxyPropane (BDP) Based Corrosion Inhibitors For LowCarbonSteels	P P Deshpande
SUBHAM KUMAR GUPTA	111711056	Synthesis and Characterization Of Benzoyl DimethoxyPropane (BDP) Based Corrosion Inhibitors For LowCarbonSteels	P P Deshpande
ASHTURKAR SHRAWANI SUDHIR	111711005	Synthesis and Characterization of Imidazoline based Corrosion Inhibitors	P P Deshpande
MENON VAISHNAVI PADMAKUMAR	111711032	Synthesis and Characterization of Imidazoline based Corrosion Inhibitors	P P Deshpande
KOTHARE RUSHIKESH SHIVAJI	111711025	SYNTHESIS OF FE POWDER FROM MILL SCALE BY VARIOUS METHODS	V T Thavale
NAGARE ABHISHEK NANDLAL	111711035	SYNTHESIS OF FE POWDER FROM MILL SCALE BY VARIOUS METHODS	V T Thavale
SOPE SANKET JAGADISH	111711055	Theoretical Modeling and Fabrication of High Entropy Alloys	N B Dhokey
SHRUTI RAJENDRA DIWASE	111711067	Theoretical Modeling and Fabrication of High Entropy Alloys	N B Dhokey