

**B.Tech Project**  
**Department of Metallurgy and Materials Science**  
**Year 2018-19**

<b>Name</b>	<b>MIS NO</b>	<b>Project Title</b>	<b>Guide name</b>
RANDHAVAN ROHIT SITARAM	111511038	Controlling segregation and binding in alloy steels	DR S B Sarkar
Dhruva Prasad Deole	111511011	Controlling segregation and binding in alloy steels	DR S B Sarkar
JAIN PRANAY ABHAY	111511017	Corrosion Study and development of a titanium dioxide Nano Partical added polyurethene coating on 2014 Al Alloy	Dr S T Vagge
ACHHRA AVINASH DEEPAK	111511001	Corrosion Study and development of a titanium dioxide Nano Partical added polyurethene coating on 2014 Al Alloy	Dr S T Vagge
RAUT SHUBHAM GAJANANRAO	111511039	Corrosion study and development of Alumina Nano Partical Added polyurethane coating on 2014 Al Alloy	Dr S T Vagge
PAWAR AKSHAY HARIBHAU	111511032	Corrosion study and development of Alumina Nano Partical Added polyurethane coating on 2014 Al Alloy	Dr S T Vagge
SURAJ B. LANGHI	111411030	Corrosion study and development of Alumina Nano Partical Added polyurethane coating on 2014 Al Alloy	Dr S T Vagge
SALUNKE ASHWINI VIJAY	111511047	Corrosion Study of Allumina Nano particals contaning Epoxy coating on AL 2014	Dr S T Vagge
CHAUDHARI DAMINI ANIL	111511008	Corrosion Study of Allumina Nano particals contaning Epoxy coating on AL 2014	Dr S T Vagge
SUPE PRAVIN YASHWANT	141611012	Dielectric properties of mechanochemically synthesized lithium zirconate	Dr S P Butee
UNMESH BARVE	141511002	Dielectric properties of mechanochemically synthesized lithium zirconate	Dr S P Butee
MAHINDRAKAR RAGHUNANDAN SANJAYKUMAR	111511025	Direct metal LASER Sintering of bronze Powder	Dr M J Rathod
SONAVANE AMIT ARUN	111511051	Direct metal LASER Sintering of bronze Powder	Dr M J Rathod
TAMBE SANKET BABAN	111511054	Dry granulation of steel making slag and its use as replacement of sand for construction purpose	Dr M J Rathod
SONWANE YUVRAJ RAMESHRAO	111511053	Dry granulation of steel making slag and its use as replacement of sand for construction purpose	Dr M J Rathod
EKATPURE PRIYANKA MUKUND	111511013	Effect of heat treatment on the mechanical properties of H13 Alloy Steel	Prof N R Anand
NEHA PRABHU CHAVHAN	111411012	Effect of heat treatment on the mechanical properties of H13 Alloy Steel	Prof N R Anand
ROHIT WANKHEDE	111311067	Effect of severe plastic defromation on the precipitation characteristics of Al 6061 Alloy	Prof N R Anand

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VIVEK KHARDE	111311066	Effect of severe plastic deformation on the precipitation characteristics of Al 6061 Alloy	Prof N R Anand
RAUT JITENDRA RAJENDRA	141611011	Effect of Strain path on Texture and Impact toughness of AA2024 Alloy	Dr A M More
CHAHANDE SOURABH NAGORAO	141611003	Effect of Strain path on Texture and Impact toughness of AA2024 Alloy	Dr A M More
MUSALE SHUBHAM SANJAY	141611007	Effect of strain path on texture and mechanical anisotropy of AA6082	Dr A M More
GORE SHUBHAM PRADEEP	141611004	Effect of strain path on texture and mechanical anisotropy of AA6082	Dr A M More
MIHIR DATE	111511027	First principles investigation of electron transport in direct semi metal ZrSiSc	Dr M J Rathod
JOSHI ABHIJEET CHINTAMANI	111511018	Galvanic corrosion investigation on conducting polyaniline coated low carbon steel samples by using zero resistance ammeter	Dr P P Deshpande
SHWETA BARABDE	111511050	Galvanic Deposition of conducting poly (O- anisidine)/ ZnO Nano Composites on Low Carbon Steel	Dr P P Deshpande
BANKAR SHARAYU SHAHU	111511005	Galvanic Deposition of conducting poly (O- anisidine)/ ZnO Nano Composites on Low Carbon Steel	Dr P P Deshpande
KHANDARE PRIYANKA KIRAN	111511061	Heat treatments of bearing steel SAE 52100	DR S B Sarkar
BHANGE PALLAVI SHIVDAS	141611002	Heat treatments of bearing steel SAE 52100	DR S B Sarkar
PROJWAL BANDYOPADHYAY	111511037	Hot press Sintering and related properties of M3/2 High speed steel	Prof V T Thavale
REWATKAR KASTURI LAXMIKANT	111511042	Hot press Sintering and related properties of M3/2 High speed steel	Prof V T Thavale
PETHE SHREYAS DINESH	111511035	Hot wire chemical deposition of silicon nano wires on transparent conducting oxide thin film	Dr M J Rathod
SARDEY RIGVED PRAVIN	111511048	Hydrogen in Steel	DR S B Sarkar
DIKHOLE POOJAN UDDHAO	111511012	Hydrogen in Steel	DR S B Sarkar
KOTHAVADE PRAJAKTA SANJIV	111511023	LASER brazing of A6061 Alloy to mild steel with filter metal powder	Dr M J Rathod
VAISHNAVI MAHESH DEHANKAR	111511057	LASER brazing of A6061 Alloy to mild steel with filter metal powder	Dr M J Rathod
KAUSAL SAURABH SHRIDHAR	111511021	LASER welding of electrical Steel M250- 35A	Dr M J Rathod
KHARTODE KIRAN SWAMINATH	111511022	LASER welding of electrical Steel M250-35A	Dr M J Rathod

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Revati Kishor Ambekar	111511041	Modification of Surface topography of irregular shape metallic powders by mechanical grinding	Dr N B Dhokey
RUNWAL JAY ANIL	111511046	Modification of Surface topography of irregular shape metallic powders by mechanical grinding	Dr N B Dhokey
GUNDECHA SIDDHARTH VIJAY	111511015	Nitriding of shot peened specimens of different grades of stainless steel	Dr P G Ranaware
AKANKSHA ACHARYA	111511003	Nitriding of shot peened specimens of different grades of stainless steel	Dr P G Ranaware
PANNASE VRUSHABH MADHUKARRAO	141611009	Novel heat treatment on Spring Steel (EN45)	Dr P G Ranaware
JAGTAP DIVYA SURENDRAKUMAR	141611006	Novel heat treatment on Spring Steel (EN45)	Dr P G Ranaware
BALPANDE ADITYA RAMESHWAR	111511004	Optimization of precipitation Hardening process and wear of AL7075 - B4C Composite	Prof S U Dangarikar
BARKADE NIKHIL DILIP	111511006	Optimization of precipitation Hardening process and wear of AL7075 - B4C Composite	Prof S U Dangarikar
RITIKA BHATTAD	111511043	Precipitation hardening of self lubricating aluminum matrix composition	Prof S U Dangarikar
HARSHA SINHA	111511016	Precipitation hardening of self lubricating aluminum matrix composition	Prof S U Dangarikar
MALJI ADARSH DHARMADAS	111511026	Reduction and control of Scale formation during hot rolling of LOW carbon Steel	Dr Madhu Ranjan
WAGHMARE YOGESH VISHNU	111511058	Reduction and control of Scale formation during hot rolling of LOW carbon Steel	Dr Madhu Ranjan
DAHAKA TRUPTI NANDKISHOR	111511009	Spheroidization of bearing steel by divorced eutectoid transformation	Dr P G Ranaware
MORE PRIYANKA SUNIT	111511028	Spheroidization of bearing steel by divorced eutectoid transformation	Dr P G Ranaware
VHORA NEELAY PREETAM	111511063	Study of Fracture toughness of high nitrogen martensitic Steel	Dr N B Dhokey
LOHIYA SAGAR NAVALKISHOR	111511062	Study of Fracture toughness of high nitrogen martensitic Steel	Dr N B Dhokey
TIWALE DATTAPRASAD MAHADEO	111511056	Study of the anticorrosive properties of Zinc rich Coating	Dr P P Deshpande
BHOSALE VIPUL HANUMANT	111511007	Study of the anticorrosive properties of Zinc rich Coating	Dr P P Deshpande
TICHKULE RASHMI SUNIL	141611014	Study on mechanical properties of poly(ether) ketone and its nanocomposites	Prof M G Kulthe
SWAREN RAMTEKE	141611013	Study on mechanical properties of poly(ether) ketone and its nanocomposites	Prof M G Kulthe
BEHUNE GAURAO KHUSHAL	141611001	Synthesis and characterization of lithium stabilized sodium beta alumina solid electrolyte	Dr S P Butee

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NAGPURE NISARGA DEVENDRA	141611008	Synthesis and characterization of lithium stabilized sodium beta alumina solid electrolyte	Dr S P Butee
MAHAJAN SHRIKANT	111211028	Synthesis and characterization of aluminium metal matrix composites	Prof R S Ranade
PARMESHVAR JADHAV	111411024	Synthesis and characterization of aluminium metal matrix composites	Prof R S Ranade
Suraj Naneshwar Shrirame	111411048	Synthesis and characterization of magnesium doped sodium beta alumina for sulfur electrolyte	Dr S P Butee
PATIL SAYALI RAVINDRA	111511031	Synthesis and characterization of thermoelectric material Cobalt disilicide, CoSi <sub>2</sub> and Magnesium silicide Mg <sub>2</sub> Si through powder metallurgical route	Dr V S Poddar
NEHA R VEMULA	111511029	Synthesis and characterization of thermoelectric material Cobalt disilicide, CoSi <sub>2</sub> and Magnesium silicide Mg <sub>2</sub> Si through powder metallurgical route	Dr V S Poddar
KUSHAGRA VINOD SHARMA	111511024	Synthesis of high curie temperature La <sub>2</sub> TiO <sub>7</sub> Ceramics and study of their electrical properties	Prof K R Kamble
DHAKNE VISHAL KARBHARI	111511010	Synthesis of high curie temperature La <sub>2</sub> TiO <sub>7</sub> Ceramics and study of their electrical properties	Prof K R Kamble
AISHWARYA SINGH	111511002	Wear resistance of modified thermally processed tool steel	Dr N B Dhokey
SATRE PRIYANKA ASHOK	111511049	Wear resistance of modified thermally processed tool steel	Dr N B Dhokey