

### Industrial Metallurgy 2017-19 Batch

S.no	Student's Name	Roll no	Thesis Title	Guide	Year
1	Ailapaka Prashanth	212317001	Optimisation of Processing Parameters of gravity die casting for 6-cylinder head of engine assembly	Dr. T. Srinivasa Rao	2017-19
2	Nair Sarath Giridharan	212317003	Simulations on Mechanical Properties of Al-Cu Metal Intermetallic Laminates using Finite element analysis	Dr.K. Sivaprasad	2017-19
3	Appu Kumar Singh	212317004	Multi Scale Computation approach using First Principle Theory : Prediction of crystal and electronic structure of magnesium silicide with dopants	Dr. S. Kumaran	2017-19
4	Ankit Rai	212317005	Study of Squeeze Casted and Heat Treated AA7150-xZrO <sub>2</sub>	Dr.S.P. KumareshBabu	2017-19
5	Raj Kuldeepsingh Ranvir Singh	212317006	Development of High Capacity and Quick Charging Cathode Material for Electric Vehicle Lithium-Ion Batteries	Dr.S.P. KumareshBabu	2017-19
6	Dinesh Kumar. A	212317007	Synthesis and Consolidation of Oxide Dispersion Strengthened Ferritic Steel by Spark Plasma Sintering	Dr. S. Kumaran	2017-19
7	Venkatesh G	212317009	Development of AT65 Magnesium alloy and study its structure Property Relation	Dr. S. Kumaran	2017-19
8	Yasin	212317010	Analysis of Corrosion Behaviour of Press Forged Aluminium Alloy 2219	Dr.V. Muthupandi	2017-19
9	Kamal Nayan	212317011	Effects of Rare Earth Oxide addition on Mechanical Properties of Copper alloy	Dr.S.P. KumareshBabu	2017-19
10	Mani.V	212317012	Microwave Sintering of Austenitic Stainless Steel: Densification and Microstructure	Dr. S. Kumaran	2017-19

11	T.D. Manideepika	212317013	Deep Drawing and Incremental Forming of C103 Alloy- Simulation and Experimental Analysis	Dr.K. Sivaprasad	2017-19
12	Aswin Kumar.C	212317014	Fabrication and Characterization of Mg-4Li-3Sn (LT43) alloy for Bio-resorbable implants	Dr. S. Kumaran	2017-19

### **Industrial Metallurgy 2016-18 Batch**

<b>S.no</b>	<b>Student's Name</b>	<b>Roll no</b>	<b>Thesis Title</b>	<b>Guide</b>	<b>Year</b>
1	Daramalla Sunny	212316001	Corrosion and Tribological Behaviour of Carbon Nanotubes and Graphene Reinforced 7075 Aluminium Alloy	Dr.S.P. KumareshBabu	2016-18
2	Kinnera Sravani	212316003	Corrosion Studies of High Entropy Alloy Coating by FSP Route	Dr. S. Jerome	2016-18
3	Hari R	212316004	Study on Corrosion Properties of Mg-9Li-3Al Magnesium Alloy with Lanthanum addition	Dr.S.P. KumareshBabu	2016-18
4	Anand Kumar	212316005	Study of Effect on Mechanical and Corrosion Properties of Mg-9Li-3Al Magnesium Alloy with cerium addition	Dr.S.P. KumareshBabu	2016-18
5	G. Sangeetha	212316006	A Study on Mechanical Properties of Rheocasted ADC 12 Alloy After Heat Treatment	Dr. S. Kumaran	2016-18
6	Vaishak Narayan	212316007	Processing of Heat Treated Cu-Cr Alloys by Equal Channel Angular Pressing: Structure Property Relation	Dr. S. Kumaran	2016-18
7	Vishnu Suresh	212316008	Oxide Dispersion Strengthened Ferritic Stainless Steel by Spark Plasma Sintering	Dr. S. Kumaran	2016-18
8	Rashad Ali. P	212316009	Synthesis, Characterization and Mechanical Behaviour of Bronze with Boron with Boron Carbide Composite	Dr.S.P. KumareshBabu	2016-18

9	Vijayasekhar	212316010	Corrosion and Wear Behaviour of as-cast Al-Zn-Mg-Cu alloy and its AMC Reinforced with TiB <sub>2</sub>	Dr.S.P. KumareshBabu	2016-18
10	M. Prashanth	212316011	Diffusion Bonding of Aluminium With Mild Steel	Dr. B. Ravisankar	2016-18
11	Aluvala Venkatesh	212316012	Mechanical Properties and Fracture Studies of Liquid Phase Sintered Nano-Y <sub>2</sub> O <sub>3</sub> Dispersed Tungsten Heavy Alloy	Dr. S. Kumaran	2016-18
12	Anil Kumar Hembram	212316013	Study of Characterization and Phase Stability Studies on Ba La <sub>2</sub> Ti <sub>3</sub> O <sub>10</sub> and Rare Earth Metal Doped Zirconia for TBC Application	Dr.S.P. KumareshBabu	2016-18
13	Ankit Singh	212316017	Study of Corrosion Behaviour of 3D Printed 316LN Stainless Steel	Dr. S. Kumaran	2016-18

### **Industrial Metallurgy 2014-16 Batch**

S.no	Student's Name	Roll no	Thesis Title	Guide	Year
1	Sampreeth S	212314001	Pitting Corrosion Resistance studies of Cast Duplex stainless steel with zirconium Addition	Dr.S.P. KumareshBabu	2014-16
2	Vishnu K C	212314002	Effect of Heat Treatment and Brazing Thermal Exposure on 0.07C-16Cr-6Ni Stainless Steel	Dr. B. Ravisankar	2014-16
3	George Kurian	212314003	IGC Susceptibility Studies of Cast Duplex Stainless Steel With Zirconium addition	Dr.S.P. KumareshBabu	2014-16
4	B Naveen	212314004	Consolidation of Mechanically Alloyed Al-5083 Alloy Powder by Equal Channel Angular Pressing	Dr.B.Ravi Sankar	2014-16
5	Sutar Abhijit	212314005	Synthesis and Electrochemical Study of Mg-Ti-Ni Alloys for Hydrogen Storage Application	Dr. S. Kumaran	2014-16
6	Suvra Bikash Mondal	212314006	Development of Nanostructured Bi <sub>2</sub> Te <sub>3-x</sub> Sb <sub>x</sub> (X=0-1.5) Thermoelectric	Dr. S. Kumaran	2014-16

7	Naveenraja	212314008	Structure Property Correlation of Amorphous Ytria Dispersed Tungsten Heavy alloys	Dr. S. Kumaran	2014-16
8	P. Anandakumar	212314010	Microstructure and Mechanical Properties of Cold and cryorolled Al-12Zn-2.5Cu-2.5Mg-0.5Ce Alloy	Dr. S. Kumaran	2014-16
9	Vinayak Kumar	212314011	Property Correlations of As-Cast AA443.0 Incorporated with MWCNT Nano Particles	Dr.S.P. KumareshBabu	2014-16
10	Sanjay Singh	212314013	Property Correlations of Castv AA 713.0/MWCNT Metal Matrix Composite	Dr.S.P. KumareshBabu	2014-16
11	Subrahmanyam Adabala	212314015	Residual Stress Analysis of Short Peened IN706 Ni Based Superalloy	Dr. B. Ravisankar	2014-16
12	Thati Gowtham Shome	212314016	Evaluation of MechnaicalBehaviour of Coated Materials	Dr. B. Ravisankar	2014-16
13	NallatiYugendher	212314017	Study and Development of Al-Cu-1.3Li Alloy With Incorporation of Cobalt and its Corrosion Property Correlations	Dr.S.P. KumareshBabu	2014-16
14	Nivas R	212314018	Evolution of Microstructure and Mechanical Properties of Dissimilar Joint Between Low Alloy and Stainless Steel	Dr.K. Sivaprasad	2014-16

### **Industrial Metallurgy 2013-15 Batch**

<b>S.no</b>	<b>Student's Name</b>	<b>Roll no</b>	<b>Thesis Title</b>	<b>Guide</b>	<b>Year</b>
1	Ganesan R	212313001	Tool Life Improvement on Cold Forging of Welded Nut	Dr. B. Ravisankar	2013-15
2	Sridharan G	212313002	Fabrication of Magnesium Based Alloy for Biodegradable Implants	Dr. S. Kumaran	2013-15
3	Nithin Raj P	212313003	Microstructure and Mechanical Properties Rolled / Cryorolled Rare Earth Containing Cerium 5XXX Series Aluminium Alloy	Dr. S. Kumaran	2013-15

4	Nutan Niharika	212313005	A study of Solidification Pattern and Internal Defects in Pressure Die Cast Automotive Component	Dr. B. Ravisankar	2013-15
5	Kathiravan S	212313013	Stretchability of an Austentic Stainless Steel 316L	Dr. B. Ravisankar	2013-15
6	NandhuK.R	212313023	Studies on Corrosion of Dissimilar Joints of Aluminium and Galvanized Steel Sheets welded by CMT Route	Dr. S. Jerome	2013-15