

DEPARTMENT OF METALLURGY & MATERIALS SCIENCE

(2018-2019)

❖ INTRODUCTION

The Metallurgy and Materials Science Department is a unique establishment in and around western Maharashtra in educating students as Materials Engineers. Day by day, the demand of skilled human resource in the industry is rising sharply due to the globalization of Indian economy. The department strives hard in fulfilling these requirements. The active support of eminent members of alumni in India and abroad - ranging from research scientists in developing computer chips to the managing directors - has helped the department in training the students in state of the art technology. There is an intake of 60 students for B.Tech course. Additional twelve students are admitted through Diploma stream and the NRI intake is around 15%. The total intake capacity for M. Tech programme is 36 with specializations in Materials Engineering and Process Metallurgy. In addition, there are 23 students registered for Ph.D. program out of which 5 are pursuing full time Ph.D.

❖ ACADEMIC PROGRAMS (B. TECH/ M. TECH/ Ph. D)

The Metallurgy and Materials Science Department currently offers B.Tech. and M.Tech. programmes. The B.Tech. programme offers a comprehensive fundamental education in metallurgical engineering. The Department offers M.Tech. Programme in two specialization, i.e. Materials Engineering and Process Metallurgy. The programme consists of course work in the areas of specialization followed by a one year duration dedicated to thesis work.

- B. Tech Metallurgical Engineering
- M. Tech Materials Engineering
- M. Tech Process Metallurgy
- Ph.D

❖ FACULTY STRENGTH

Sr. No	Designation	No. of Faculty
1	Professor	04
2	Steel Chair Professor	01
3	Emeritus Professor	01

4	Associate Professor	02
5	Assistant Professor	07
6	Visiting Faculty	02
7	Adjunct Faculty	02
Total		19



❖ MAJOR EQUIPMENTS & FACILITIES

Name of the Lab	Facilities
Ceramic Processing Laboratory	Tubular Si-C Furnace, Universal Testing Machine, , BET surface area analyser Jar Mill, Rotap Sieve Shaker Spray dryer, Analytical Weighing balance Laboratory Oven, Si-C Furnace
Surface Engineering Laboratory	Gas Nitriding Furnace, Wire Flame Thermal Spray, Induction Furnace, Drip Carburizing Furnace, Fluidized-bed Nitriding Furnace, Powder Flame Thermal Spray & Grit Blasting Machine, Laser Machine, X-Y Table, Muffle Furnaces (No. 4)
Advanced Materials Laboratory - Eaton Sponsored	Potentiostat, Jasco - UV visible Spectrophotometer, FTIR Spectrophotometer, Adhesion Tester, Mould and Press Assembly, Interface 1000 Potentiostat System, Thickness Gauge,
Powder Metallurgy and Tribology Laboratory	Attritor Mill, Hot Press Compaction Machine, Weighing Balance- Nos, Weighing Balance-Nos, Powder Coating Apparatus, Fatigue Test Machine, Image Analyser, Digital Multimeter, Powder Compacting Machine, Muffle Furnace, Electroytic Polishing, Pin-On-Disc (magnum make), Low Speed Diamond Machine, Cryogenic System, MoSi2 sintering Furnace, Vacuum Sintering Furnace, Low Temperature Muffle Furnace, Sintering Furncae-I.
Polymer and Nano Composites Laboratory	Twin Screw Extruder, Thermogravimetric Analyser, DSC, Vaccum Oven, 7.5 Digit Multimeter (Keithley, Germany), Plastic Injection Moulding, 2 Ton UTM - Polymer testing, Digital Source Meter (Tektronix Inc, USA), Electrometer/ High Resistance Meter (Keithley, Germany), Dilatometer (V.B. Ceramics, Indra), 4 Points Probe Conducting Meter (Lucas Signatone, USA), Precision Impedance

	Analyser (Wayne - Kerr, UK), Hot Compaction M/C (Kimya Ind., India), Melt Flow Index Tester, Izod Impact Tester
Computer Laboratory	HP Compac Pro 6300 Led Monitor Desktop 60 nos
Scanning Electron Microscope Laboratory	FE -SEM + EDS
Metallography and Image Analysis	Optical Microscope, Inverted Microscope, Optical Microscope with Image Analyzer, Upright Microscope, Charpy, Hot Mounting Press, Automatic Polishing Machine, Stereo Microscope, Microhardness Tester, Inverted Microscope- Ziess.
Material Analysis Laboratory	Analytical Balance (2 Nos), Strohlins Carbon Analyser, Electrogravimetric analyzer, Atomic Absorption Spectroscopy.
Mechanical Testing Laboratory	Ericson Cupping, 60 T UTM, 10 T UTM, Vickers hardness tester, Brinell hardness tester, Rockwell hardness testers, Digital Charpy Impact testing machine.
Manufacturing Process Laboratory	Rolling Mill, Jaw crushers (2 No.), Rotary Swagger
Foundry Laboratory	Induction Furnace, Centrifugal Casting machines (2 Nos.), Muller mixer (2 kg- 5 kg), Sieve analysis set up, Shell moulding machine, Sand testing equipments: UTM, Permeability meter, Rapid moisture teller.
Corrosion and Surface Protection Lab	Tubular High Temperature Furnace , Slow strain rate testing machine, Scratch tester, Wear and Friction motor, potentiostat, galvanostat.

❖ EQUIPMENT PURCHASED:

Name of the Lab/ section	Module Description	Usage	Date of purchase / development dd/mm/yyyy	Resource consumed (amount in Lakhs)
Corrosion and Surface Protection Lab	Tubular High Temperature Furnace	To develop thermal barrier Coating	28-03-2019	Rs.7,09,180/- (Through Project No. MT/2017/DST-SERB/STV/172)

❖ RESEARCH & DEVELOPMENT ACTIVITIES

Sr. No	Research Activities	Total No.
1	No. of Books Authored	00
2	No. of Conference/Seminars/ workshops attended	17
3	No. of Conference/Seminars/ workshops organized	06
4	No. of publications in International/National Journals and conference	19
5	No. of the Industry Sponsored Projects	00
6	No. of Government Sponsored Projects	00
7	Value of the Government Sponsored Projects (In Lakhs)	00
8	No. of Consultancy Projects	11
9	No. of Students gone to foreign universities for further studies	09
10	No. of Ongoing Ph. Ds	23

❖ Details of Sponsored Research Projects

Sr. No	Title	Name of the Project Leader	Year in which started	Funding agency	Duration	Amount sanctioned (Rs)
1	Nil					

❖ Details of Consultancy Projects: Rs. 9.037 lakhs

Sr. No	Title	Name of the Project Leader	Year in which started	Name of Consultancy	Consultancy Amount (Rs)
1	Metallurgical failure analysis of 193 sq mm ending cone	Dr. N. B. Dhokey	2018	Asst. Divisional Electrical Engineer (Indian Railway Pune)	41300/-
2	Evaluation of wear resistance properties of sugar industry roller	Dr. N. B. Dhokey	2018	S B Reshellers pvt Ltd Kolhapur	68833/-
3	Synthesis of carbon for battery electrode in	Dr. N. B. Dhokey	2018	KPIT technology ltd	104430/-

	control atmosphere cubular furncae			Pune	
4	Failure Analysis of swing arm shaft	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Bajaj Auto Ltd, Akurdi, Pune	11,800/-
5	1. Sheet metal welding SEM and EDS analysis 2. Bolts (2 Nos) failure analysis	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Bajaj Auto Ltd, Akurdi, Pune	1,41,600/-
6	Failure analysis of connecting rod	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Bajaj Auto Ltd, Akurdi, Pune	25,960/-
7	To investigate probable cause for chemical deposition on 9mm ball cart	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Ammunition Factory, Khadki	47,200/-
8	Analysis and consultancy of phosphate coating on gears	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Flash Viven Machining Technology Pvt Ltd, Chakan Pune	30,680/-
9	SEM and EDS analysis of Welding Electrodes and Weld Samples	Prof. M.J. Rathod and Prof. P.G. Ranaware	2018	Bajaj Auto Ltd, Akurdi, Pune	35,400/-
10	Life Prediction Model for plated components	P. P. Deshpande	2019	John Deere India Pvt Ltd. Pune	3,61,080/
11	Anodic Polarization and Potentio dynamic behavior studies : Stainless steel by electrochemical techniques	P. P. Deshpande	2018	SAARLOHA Advanced Materials Private Ltd , Pune- 411036	35,400/-

❖ PUBLICATIONS

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	Metallurgy Engineering	00	06	00	13	17

National Journals (2017-2018): 00

Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
1	Nil			

International Journals (2018-2019): 06

Sr. No	Title of the Paper	Authors	Publication Details/Vol.No./ISSN No./ Page No.	National/ International
1	Dissolution and Erosion Behavior of AISI H13 Shot Sleeve in High Pressure Die Casting Process	Hardik Vachhani, Manoj Rathod, R.Shah	Engineering Failure Analysis	International
2	Effects of conductive polymers (type and concentration) in coatings with zinc particles of different shapes	M. Kohl, Andrea Kalendová, Pravin Pralhad Deshpande, E. Schmidová	Journal of Coatings Technology and Research	International
3	Comparative study on hot deformation behaviour of P91, RAFM-CLAM and Low C RAFM-CLAM steels by processing maps	Naimish S.Shah, Jayanta K.Chakravarty, ApuSarkar	Fusion Engineering and Design	International

4	Studies of wear behavior and DBTT in subzero regimes of cryo treated High Nitrogen Martensitic Stainless Steel (HNMS)	Naimish Shah, Kapil Arora, Narendra Dhokey, N. Dileep Kumar, K. T. Tharian	Transactions of the Indian Institute of Metals, Online Available: Feb 2019	International
5	Conducting Polypyrrole Coated Rebar in a Carbonated Concrete Pore Solution: Electrochemical Investigations	H. Munot, P. Deshpande, C. Modhera	Portugaliae Electrochimica Acta 2018, 36(5), 365-375	International
6	Electrochemical Investigations on Semi-conducting Properties of a Passive Film on Conducting Polypyrrole Coated Low Carbon Steel in a Simulated Concrete Pore Solution	H. Munot, P. Deshpande, C. Modhera	Portugaliae Electrochimica Acta 2019, 37(1), 43-50	International

National Conference (2018-2019): 00

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1	Nil			

International Conference (2018-2019):13

Sr. No	Title of the Paper	Authors	Publication Details/Vol. No./ISSN No./ Page No.	National/ International
1.	Effect of process variables on porosity and structure properties of PM sintered steel	Sardey Rigved Pravin, Jin Yang, Jose Antonic Calero, Narendra Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International

2	Harvesting energy from waste heat by thermoelectrics of transition metal silicides An overview	V. S. Poddar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
3	Development of eutectic high entropy alloy CoCrFeNiMx synthesised from elemental powders through arc melting route	S B Gore, V. S. Poddar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
4	Modificatin of surface topography of irregular shape iron powder by mechanical alloying	Jay Runwal, Revati Ambekar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
5	Overview on manufacturing of reduced iron powder from mill scale	P C Jikar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
6	Characterization of intrinsic n-type thermoelectric materials CoSi ₂ and Mg ₂ Si synthesized by powder matallurgy	Neha Vemula, Sayali Patil, N B Dhokey, V S Poddar	APMA 2019 5th international conference on Powder Metallurgy	International
7	Modelling of oxidation phenomenon of mill scale and experimental analysis of influencing parameters	R. Sabban C. Tadwarkar, P C Jikar, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
8	Investigation on Ta doped PZT95/5 ferroelectric ceramics for pulsed power applications	Priyangi Karanjikar, Praveen Kumar, S P Buttee, K R Kamble	APMA 2019 5th international conference on Powder Metallurgy	International
9	Evaluation of machining performance of PM fabricated NBC reinforced HSS tool insert	Vijay Thavale, N B Dhokey	APMA 2019 5th international conference on Powder Metallurgy	International
10	Synthesis of Al 7075-B4C composite by hot press	S U Dangarikar, N	APMA 2019 5th international conference on Powder	International

	sintering method and its wear response	B Dhokey	Metallurgy	
11	Heat treatment and mechanical properties sintered medium carbon steel B4C mechanical alloy	Ranjeet Shirole, Shahanawaz Khan, K R Kamble, S P Buttee	APMA 2019 5th international conference on Powder Metallurgy	International
12	Investigation on the mechanism of synthesis of Zinc Niobate precursor by CO-precipitation method	Nikhil P. Sileum, Ajinkya Ghorpade, S P Buttee, K R Kamble	APMA 2019 5th international conference on Powder Metallurgy	International
13	Effect of sintering method on the densification, microstructure and dielectric behavior of A/N ceramics	Akash Mahajan, K R Kamble, S P Buttee	APMA 2019 5th international conference on Powder Metallurgy	International

❖ PATENTS

Sr. No.	Faculty / Students	Title	Application No. & Date	Status
1	Nil			

❖ BOOKS PUBLISHED

Sr. No.	Name of the author	Title of the book	Name of the publisher	Date of publication (DD/MM/YYYY)
1	Nil			



**NATIONAL / INTERNATIONAL CONFERENCES / SEMINAR / SYMPOSIA /
WORKSHOP ATTENDED DURING LAST ACADEMIC YEAR.**

Name of Department	National Conferences Attended	International Conferences Attended	Workshop Attended	Seminar Attended	Total
Metallurgy Engineering	00	13	04	00	17

International Conferences Attended					
Sr. No	Title of the Paper	Title of the Conference	Name of the Faculty	Period	Venue
1	Effect of process variables on porosity and structure properties of PM sintered steel	APMA 2019 5th international conference on Powder Metallurgy	N B Dhokey	18-21 Feb 2019	JW Marriot Hotel in Pune, India
2	Harvesting energy from waste heat by thermoelectrics of transition metal silicides An overview	APMA 2019 5th international conference on Powder Metallurgy	V.S. Poddar	18-21 Feb 2019	JW Marriot Hotel in Pune, India
3	Development of eutectic high entropy alloy CoCrFeNiMx synthesised from elemental powders through arc melting route	APMA 2019 5th international conference on Powder Metallurgy	V.S. Poddar	18-21 Feb 2019	JW Marriot Hotel in Pune, India
4	Modificatin of surface topography of irregular shape iron powder by mechanical alloying	APMA 2019 5th international conference on Powder Metallurgy	N B Dhokey	18-21 Feb 2019	JW Marriot Hotel in Pune, India
5	Overview on manufacturing of reduced iron powder from mill scale	APMA 2019 5th international conference on Powder Metallurgy	N B Dhokey	18-21 Feb 2019	JW Marriot Hotel in Pune, India

6	Characterization of intrinsic n-type thermoelectric materials CoSi ₂ and Mg ₂ Si synthesized by powder metallurgy	APMA 2019 5th international conference on Powder Metallurgy	V.S. Poddar	18-21 Feb 2019	JW Marriot Hotel in Pune, India
7	Modelling of oxidation phenomenon of mill scale and experimental analysis of influencing parameters	APMA 2019 5th international conference on Powder Metallurgy	N B Dhokey	18-21 Feb 2019	JW Marriot Hotel in Pune, India
8	Investigation on Ta doped PZT95/5 ferroelectric ceramics for pulsed power applications	APMA 2019 5th international conference on Powder Metallurgy	Priyangi Karanjikar	18-21 Feb 2019	JW Marriot Hotel in Pune, India
9	Evaluation of machining performance of PM fabricated NBC reinforced HSS tool insert	APMA 2019 5th international conference on Powder Metallurgy	Vijay Thavale	18-21 Feb 2019	JW Marriot Hotel in Pune, India
10	Synthesis of Al 7075-B4C composite by hot press sintering method and its wear response	APMA 2019 5th international conference on Powder Metallurgy	S U Dangarikar	18-21 Feb 2019	JW Marriot Hotel in Pune, India
11	Heat treatment and mechanical properties sintered medium carbon steel B4C mechanical alloy	APMA 2019 5th international conference on Powder Metallurgy	K R Kamble	18-21 Feb 2019	JW Marriot Hotel in Pune, India
12	Investigation on the mechanism of synthesis of Zinc Niobate precursor by CO-precipitation method	APMA 2019 5th international conference on Powder Metallurgy	S P Butee	18-21 Feb 2019	JW Marriot Hotel in Pune, India
13	Effect of sintering method on the densification, microstructure and dielectric behavior of A/N ceramics	APMA 2019 5th international conference on Powder Metallurgy	K R Kamble	18-21 Feb 2019	JW Marriot Hotel in Pune, India

National Conferences Attended

Sr. No	Title of the Conference	Name of the Faculty	Period	Venue
1	Nil			

Workshop Attended

Sr. No.	Title of the Workshop	Name of the Faculty	Duration and Period	Venue
1.	INAE Engineering Heritage— Metallurgy Study Group Annual Meeting and Workshop on Digital Museum of Metallic Objects	P.P.Deshpande	July 20 – 21, 2018	Deccan College Post Graduate and Research Institute (Deemed University),Pune
2.		M.J. Rathod	17 Dec 2018	Electrical Engg Deptt-Seminar Hall
3.		P.G. Ranaware	17 Dec 2018	Electrical Engg Deptt-Seminar Hall
4.		A.M.More	17 Dec 2018	Electrical Engg Deptt-Seminar Hall

**❖ NATIONAL / INTERNATIONAL CONFERENCES / SEMINAR / SYMPOSIA /
WORKSHOP ORGANIZED DURING LAST ACADEMIC YEAR**

Name of Department		National Conferences Organized	International Conferences Organized	Workshop Organized	Seminar Organized	Total
Metallurgy engineering		00	00	04	02	06
International Conferences Organized						
Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue		
1	Nil					
National Conferences Organized						
Sr. No.	Title of the Conference	Name of the Faculty	Period	Venue		
1	Nil					
Workshop Organized						
Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue		
1	Powder Metallurgy Short Course (PMSC-18)	N.B.Dhokey, S. P. Butee	12th–15th October, 2018	Bhau Institute, COEP, Pune		
2	Meta Vista 2019	V.S.Poddar, N.B. Dhokey	4 th April 2019	Department Of Metallurgy & Materials Science, COEP, PUNE		
3	STUDENT MATERIAL CAMP (2019) for 11-12th std. students (Jointly organized by ASM International Pune Chapter and Department Of Metallurgy & Materials Science, COEP, PUNE)	P.G.Ranaware. M.J.Rathod	20-22 May 2019	Department Of Metallurgy & Materials Science, COEP, PUNE		

4	PROF. BRAHM PRAKASH MEMORIAL MATERIALS QUIZ 2018,	Dr. S. B. Sarkar ,CEO, Engineering and Technology and Dr Madhu Ranjan, Chairman IIM Pune Chapter.	5 th August 2019	Department Of Metallurgy & Materials Science, COEP, PUNE
---	---	---	-----------------------------	--

Seminar Organized				
Sr. No.	Title of the Seminar	Name of the Speaker, Co-ordinator	Period	Venue
1	Failure Analysis and Fracture.	American Society of Metals (ASM) International President Mr Schmidt	1 st October 2018.	Mini Auditorium, Academic Complex, COEP
2.	Interface modification for the Adsorption of viruses on porous ceramics structures and nanofibers	Dr. Thomas J. Graule	21 Feb 2019	Department of Metallurgy and Materials Science, COEP

❖ AWARDS & HONORS

● For Faculty

Sr. No	Name of the Faculty	Name of the Award / Honor	Description	No. of Awards
1	Dr S. P. Butee Secretary, Bombay Metropolitan Region (BMR) Chapter of InCerS	Best chapter award for year 2018	The BMR Chapter of Indian Ceramic Society currently being operated from our Dept received the best chapter award for year 2018 on the basis of the conference and workshop conducted in our institute. This award we got on 9th Jan'19 at Jamshedpur.	01
2	Mr. Kaustubh Ramesh Kambale	Financial Assistance for participating in "(MS&T18) Materials Science & Technology 2018 Technical Meeting and Exhibition , USA (14 - 18 Oct, 2018)"	SERB has granted "International Travel Support" for participating in the conference in USA. File Number: ITS/2018/004421	01

3	Dr. M. J. Rathod	MoU	MoU of COEP with Endurance Technology Ltd. on 11 June 2018 coordinated by Dr. M. J. Rathod	01
4	Dr. S.T. Vagge	Appointed as Head-Government e-market place interactions (Dt. 29 Oct 2018)		01
5	Dr. S.T. Vagge	Appointed as Chairman – F.Y. Admission including (NRI) (Dt. 15 May 2019)		01
6	Dr. S.T. Vagge	Nominated on the Academic Council Panel of COEP (Dt. 2 April 2019)		01
7	Dr. S.T. Vagge	Nominated on the Board of Governors (BoG) of COEP		01
8	Dr. M. J. Rathod	Appointed as Dean-Faculty (Dt. 15 April 2019)		01
9	Dr. S. P. Butee	Appointed as Head of Department (Dt. 15 April 2019)		01
10	Prof. V. S. Poddar	PhD awarded (Dt. 10 June 2019)		01

● **For Students**

Sr. No	Name of the student	Name of the Award/Achievement	Description	No. of Awards
1.	Shubham Gupta (SY Meta.)	Annual Science Quiz 2019	Stood 1st	01
2.	Vismay Chandra (SY Meta.)	Annual Science Quiz 2019	Stood 1st	01
3.	Dhairyasheel Dhanaji Patil	GATE 2019	AIR 1 with Gate score 945	01
4.	Naimish Shah	Prof S D Kulkarni Memorial scholarship	The scholarship is given to materials joining topper by IIM Pune chapter.	01
5.	JOSHI ABHIJEET CHINTAMANI	Honors in Metallurgical Engineering	First batch to receive honors degree	01
6.	KUSHAGRA VINOD SHARMA	Honors in Metallurgical Engineering	First batch to receive honors degree	01
7.	SATRE PRIYANKA ASHOK	Honors in Metallurgical Engineering	First batch to receive honors degree	01

8.	TAMBE SANKET BABAN	Honors in Metallurgical Engineering	First batch to receive honors degree	01
9.	VHORA NEELAY PREETAM	Honors in Metallurgical Engineering	First batch to receive honors degree	01

❖ DETAILS OF STUDENTS GONE FOR HIGHER STUDIES

Name of the Student	Name of the University/ institute		Year of Passing
	Foreign	Indian	
BARVE UNMESH VISHWAS		IIM, Kozhikode	2018-19
PETHE SHREYAS DINESH	NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE		2018-19
Pranav Kulkarni	EPFL Switzerland		2016-17
Abhishek Tikar	Oklahoma State University		2016-17
Abhijeet Joshi		IIT, Madras	2018-19
Naimish Shah	Aachen Germany University		2017-18
Parikshit Tamhane	Erasmus Mundus		2016-17
Mihir Date	Uni. of Groningen, Netherland		2018-19
Pratik Joshi (PhD)	North Carolina State University		2016-17

❖ SPECIAL MENTION

❖ MEMBERSHIPS TO SOCIETIES

Sr. No	Name of the Society	Name of the faculty/s
1	Nil	

❖ **FACULTY MEMBER**

Sr. No.	Name of the Faculty	Highest Qualification	Designation	Areas of Interest
1.	Dr. S. P. Butee	Ph.D.	Professor & Head	Electro-Ceramics
2..	Dr. N. B. Dhokey	Ph.D.	Professor	Tribology, Powder metallurgy, Energy Materials, Soft Magnetic materials , Cryotreatment of materials
3.	Dr. M. J. Rathod	Ph.D.	Professor	Material joining and Laser material processing
4.	Dr. S. T. Vagge	Ph.D.	Professor	Corrosion and Surface Engg.
5.	N. R. Anand	M.E.	Associate Professor	Heat Treatment
6.	Dr. S. A. Meshram	Ph.D.	Associate Professor	Geology
7.	S. U. Dangrikar	M.E.	Assistant Professor	Heat Treatment, Metal Working
8.	Dr. P. P. Deshpande	Ph.D.	Assistant Professor	Conducting polymers and corrosion control of Steels
9.	V. T. Thavale	M.E. (Metallurgy)	Assistant Professor	Powder Metallurgy
10.	M. G. Kulthe	M.E. (Metallurgy)	Assistant Professor	Polymer matrix micro and nano composites
11.	R. S. Ranade	M.E. (Metallurgy)	Assistant Professor	Foundry Technology, Extractive Metallurgy
12.	Dr. A. M. More	M. Tech.	Assistant Professor	Physical Metallurgy
13.	K. Kamble	M.Tech	Assistant Professor	Ceramic processing, Electroceramics, ionic conductors, composite materials
14.	V. S. Poddar	M.Tech	Adjunct Faculty	Wire Tech, Forging Tech, Electronic and Magnetic Materials, Metal working
15.	Dr. P. G. Ranaware	Ph.D.	Adjunct Faculty	Heat Treatment
16.	Dr. P. R. Khangaonkar	Ph.D.	VisitingFaculty	Physical Metallurgy
17.	M. U. Hosmane	M.E.	VisitingFaculty	Forging Technology, Non Destructive Testing
18.	Dr. S. B. Sarkar	Ph.D.	Steel Chair Professor	Fatigue and Fracture Study
19.	Dr. Madhu Ranjan	Ph.D.	Emeritus Professor	Forging Technology,

Placement and Higher studies data of B Tech and M Tech Metallurgy

B Tech Metallurgy						
	No of students admitted	No. of students Graduating	Placed students	Students going for higher studies	Total Together	% Together
Admitted in 2015 (Regular students)	62	51	30	5	35	56.45
Diploma admissions in 2016	14	10	5	0	5	50
Total	76	61	35	5	40	52.64
M Tech Metallurgy						
Admitted in 2017 (Regular students)	35	30	14	0	14	40