DEPARTMENT OF METALLURGY & MATERIALS SCIENCE
(2016-2017)

❖ 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.

❖ 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 Metallurgy & Materials Science
- M. Tech Materials Engineering
- M. Tech Process Metallurgy
- Ph.D

❖ FACULTY STRENGTH

Sr. No	Designation	No. of Faculty
1	Professor	03
2	Steel Chair Professor	01
3	Emeritus Professor	01
4	Associate Professor	03
5	Assistant Professor	08
6	Adjunct Professor	06
Total		22

❖ 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, Analystical Weighing balance Laboratory Oven, Si-C Furnace
Surface Engineering Laboratory	Gas Nitriding Furnace, Wire Flame Thermal Spray, Induction Furnace, Drip Carburizing Furnace, Fludized-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 Guage,
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 Moniter Desktop 60 nos
Scanning Electron Microscope Laboratory	FE -SEM + EDS
Metallography and Image Analysis	Optical Microscope, Inverted Microscope, Optical Microscope with image analyser, 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.

❖ EQUIPMENT PURCHASED

Name of the Lab/ section	Module Description	Usage	Date of purchase / development dd/mm/yyyy	Resource consumed (amount in Lakhs)
Mechanical Testing Laboratory	Torsion Tester, Hardness Tester	For UG, PG and Research Projects / Practicals		4.06 5.50

❖ RESEARCH & DEVELOPMENT ACTIVITIES

Sr. No	Research Activities	Total No.
1	No. of Books Authored	01
2	No. of Conference/Seminars/ workshops attended	22
3	No. of Conference/Seminars/ workshops organized	10

4	No. of publications in International/National Journals and conference	32
5	No. of the Industry Sponsored Projects	00
6	No. of Government Sponsored Projects	01
7	Value of the Government Sponsored Projects (In Lakhs)	1.3
8	No. of Consultancy Projects	00
9	No. of Students gone to foreign universities for further studies	04
10	No. of Ongoing Ph. Ds	22

❖ Details of Sponsored Research Projects

Sr. No	Title	Name of the Project Leader	Year in which started	Funding agency	Duration	Amount sanctioned
1	"Effect of Filler and Concentration on the Dielectric Strength and Mechanical properties of Poly (Vinylidene flouride) Nanocomposites".	Manisha Kulthe	2015	Alumni Association	2015-2017	1.3

❖ PUBLICATIONS

Sr. No	Name of Department	Research Publications				Total
		National Journal	International Journal	National Conference	International Conference	
1	Metallurgy Engineering	00	21	02	09	32

National Journals (2016-2017): 0				
Sr. No	**Title of the Paper**	**Authors**	**Publication Details/Vol.No./ISSN No./ Page No.**	**National/ International**
	Nil			

International Journals (2016-2017): 21				
Sr. No	**Title of the Paper**	**Authors**	**Publication Details/Vol.No./ISSN No./ Page No.**	**National/ International**
1	Study on Effect of Cubic- and Tetragonal Phased $BaTiO_3$ on the Electrical and Thermal Properties of Polymeric Nanocomposites	A. A. Thanki, R. K. Goyal	Mater ChemPhys,183 (2016), 447-45610. 1016/j.matchemphys. 2016.08.052, pp: 447-456	International
2	Tribological and Thermal Properties of Hexagonal Boron Nitride Filled High Performance Polymer Nanocomposites	R K Goyal, M Joshi, A. Goyal, S. Patil	Journal of Applied Polymer Science, **2016**, *133,44409 (1-9) DOI: 10.1002/app.44409*	International
3	Polycarbonate based three-phase nanocomposite dielectrics	P. K. Sain,R. K. Goyal, Y.V.S.S. Prasad, A. K. Bhargava	Materials Research Express, 3(8), (2016), 85016. doi:10.1088/2053-1591/3/8/085016	International
4	Single-Walled/ Multi-walled Carbon-Nanotube filled Polycarbonate Nanocomposites for Advanced Electronic Applications	P. Sain, R.K. Goyal, A.K. Bhargava, Y.V. S. S. Prasad,	J Electr Mater, 46(1) 2017, 458-466. DOI: 10.1007/s11664-016-4907-5, pp: 458-466	International
5	Novel Polyacrylonitrile/Potassium Sodium Niobate Composites with Superior	Kaustubh Kambale, Rajendra Goyal, Sandeep Butee, Rohan Parsewar, Hanmant	Composites Communications, 5 (2017), 8-12. doi.org/10.1016/j.coc	International

	Dielectric and Thermal Properties	Gawade, Sameer Shroff	o.2017.04.003	
6	Optimization of Cryosoaking Period and Microstructural Transformation on Wear Mechanism of SAE 8620 Gear Steel	P. Ghosh & N. B. Dhokey	Tribology Transactions, 2016, DOI: 10.1080/10402004.2016.1259435	International
7	Refinement of tempered martensite structure and its effect on wear mechanism in SAE 8620	P. Ghosh & N. B. Dhokey	Tribology - Materials, Surfaces & Interfaces, 10:4, 178-184, DOI: 10.1080/17515831.2016.1262586	International
8	Conducting polyaniline/nano-zinc phosphate composite as a pigment for corrosion protection of low-carbon steel	Pravin P. Deshpande, Abhijit A. Bhopale, Vandana A. Mooss, Anjali A. Athawale	Chem. Pap. 2016, DOI 10.1007/s11696-016-0082-7	International
9	Conducting polyaniline nanocomposite-based paints for corrosion protection of steel	Dimitra Sazou, Pravin P. Deshpande	Chem. Pap. DOI 10.1007/s11696-016-0044-0	International
10	Shot peening in a novel centrifugal air blast reactor	P. G. Ranaware & M. J. Rathod	Surface Engineering, DOI: 10.1080/02670844.2016.1204087	International
11	Combined effect of shot peening, subcritical austenitic nitriding, and cryo-treatment on surface modification of AISI 4140 steel	P. G. Ranaware & M. J. Rathod	Materials and Manufacturing Processes, DOI: 10.1080/10426914.2016.1221112	International

12	Dissimilar Metal Joining of Pure Copper and Al 6061 by using Friction Stir Spot Welding	M. J. Rathod , Rajiv R. Devmore	INDIAN WELDING JOURNAL Volume 49 No. 4, October, 2016, pp: 64-70	International
13	Designing Heat sequence of wrought iron in Ancient Vidarbha region of Maharashtra- A review	P.P.Deshpande and V.S. Shinde	Trans of IIM Vol 70, Issue 2 doi-10.1007/s 12666-016-0989-2	International
14	Evaluation of alumina incorporated combined ceramic layer thermal barrier coating.	P Purohit, S T Vagge	Surface and Coating Technology	International
15	Synergetic effect of thicker nanocrystalline structure with high amount of strain induced martensite on surface characteristics of plasma nitrided austenitic stainless steel	P.G. Ranaware, M.J. Rathod	Surface & Coatings Technology, 302 (2016) 265–274, http://dx.doi.org/10.1016/ j.surfcoat.2016.05.085	International
16	Evolution of Thermoelectric β-FeSi2 Phase by Cryo Milling and sintering	V.S.Poddar, N.B. Dhokey, S.P.Butee, N.B.Revade, M.M.Thombre, R.D. Purohit, Deep Prakash	Trans Indian Inst Met (2017) 70(1): 167-174, DOI 10.1007/s12666-016-0873-0	International
17	Graphene oxide modified polyaniline pigment for epoxy based anti-corrosion coatings	Vandana A. Mooss, Abhijit A. Bhopale, Pravin P. Deshpande, Anjali A. Athawale	Chemical Papers, 2017, DOI: 10.1007/s11696-017-0146-3	International
18	Electrical properties of sodium beta-alumina ceramics synthesized by citrate sol-gel route using glycerine	S.P. Butee, K.R. Kambale, Mayur Firodiya	Processing and Application of Ceramics, 10 (2016) 67-72.	International

19	Effect of Nano Sized Starting Materials on the Dielectric and Ferroelectric Behaviour of Barium Titanate	K.R. Kambale, A.R. Kulkarni, N. Venkataramani	Transactions of Powder Metallurgy Association of India, 42(2) (2016) 17-30.	International
20	Improvement in Transparency of Nd:YAG Ceramics through Hot Press Sintering	S.P. Butee, K.R. Kambale, Prashant Dixit, M.D. Joshi, S.A. Dhawanjewar	Transactions of Powder Metallurgy Association of India, 42(1) (2016) 101-108.	International
21	Effect of Post - Sinter Annealing on the Properties of Ceramics	K.R. Kambale, S.P. Butee	Metal Powder Report, 2017, doi.org/10.1016/j.mprp.2017.02.002)	International

National Conference (2016-2017): 02				
Sr. No	**Title of the Paper**	**Authors**	**Publication Details/Vol. No./ISSN No./ Page No.**	**National/ International**
1	Flip side of improvement in fracture toughness of Barium titanate by addition of alumina	K.R. Kambale	XIX National Seminar on Ferroelectrics and Dielectrics,19-21 Dec 2016, Dept of Physics, Maulana Azad NIT, Bhopal	National
2	From lamination to forge welding technology in ancient and medieval India	P. P. Deshpande	5th Bharatiya Vigyan Sammelan & Expo 2017, 11 - 14 May 2017, Fergusson College, Pune.	National

International Conference (2016-2017): 09				
Sr. No	**Title of the Paper**	**Authors**	**Publication Details/Vol. No./ISSN No./ Page No.**	**National/ International**
1.	Effect of addition of V2O5 on the densification, dielectric and ferroelectric behaviour of Pb free K-Na- Niobate Ceramics	K.R. Kambale	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics, 7-11 Nov 2016, University of Delhi	International
2	Electrical Properties of Graphene/Polymer nanocomposites Prepared by a Simple Route	R K Goyal	International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology (C-MET) Pune during, March 8-9 2017,	International
3	Synthesis and Characterisation of ZnO-Bi2O5-CuO-V2O5 based High Voltage Varistor	S. P. Butee	International conference on Ceramics, Glass and Refractories - Emerging Innovations, 13-15 Dec 2016, IICT, Hyderabad, Telangana, India	International
4	Corrosion behavior of SS316 in hank solution for biomedical applications	S.T. Vagge	NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India, 11-14 Nov'16, BHU-IIT, Banaras	International
5	Effect of particle size and process parameters on dimensional shrinkage of sintered compacts	N B Dhokey	International conference on Powder Matallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	International
6	Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type	V. Poddar	International conference on Powder Matallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	International

	β-Iron disilicide			
7	Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control	S. P. Butee	European Powder Metallurgy World Congress-2016 Hamburg, 10–13 Oct 2016, Germany	International
8	Recycling of mill scale for iron	N. B. Dhokey	European Powder Metallurgy World Congress-2016 Hamburg, 10–13 Oct 2016, Germany	International
9	3D printing of Bronze powder with variation in powder size distribution	M. J. Rathod, Tuhid Shaikh	International conference on Powder Metallurgy and particulate Materials, PM 17, 20-22 Feb 2017, New Delhi	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	R K Goyal	Nanomaterials and Nanocomposites: Synthesis, Properties, Characterization Techniques and Applications, to be published by May 2017	CRC Press, Tailor and Francis	Submitted in April 2017.

❖ 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**	**09**	**10**	**03**	**22**

International Conferences Attended

Sr. No	Title of the Paper	Title of the Conference	Name of the Faculty	Period	Venue
1	Effect of addition of V2O5 on the densification, dielectric and ferroelectric behaviour of Pb free K- Na- Niobate Ceramics	International Conference on Technologically Advanced Materials and Asian Meeting on Ferroelectrics	K.R. Kambale	7-11 Nov 2016	University of Delhi
2	Electrical Properties of Graphene/Polymer nanocomposites Prepared by a Simple Route	International Conference on Advanced Rechargeable Batteries & allied Materials (ICARBM-2017), organized by Centre for Materials for Electronics Technology (C-MET) Pune during	R K Goyal	March 8-9 2017 (2 days)	C-MET, Pune
3	Synthesis and Characterisation of ZnO-Bi2O5-CuO-V2O5 based High Voltage Varistor	International conference on Ceramics, Glass and Refractories - Emerging Innovations	S. P. Butee	13-15 Dec 2016,	IICT, Hyderabad, Telangana, India
4	Corrosion of Heat Engineering Equipment	Corrosion of Heat Engineering Equipment",	P.P. Deshpande	5 - 16 Dec 2016	State Polytechnic University,

		POLYTECH, Peter the Great St. Petersburg, Visiting Lectures for 20 h			Institute of Energy and Transport Systems, Saint-Petersburg,
5	Corrosion behavior of SS316 in hank solution for biomedical applications	NMD'16 "Metals, Materials and Manufacturing for a Self-Reliant India	S.T. Vagge	11-14 Nov'16	BHU-IIT, Banaras
6	Effect of particle size and process parameters on dimensional shrinkage of sintered compacts	International conference on Powder Matallurgy and particulate Materials, PM 17	N B Dhokey	20-22 Feb 2017	New Delhi
7	Fabrication of Thermoelectric Generator for high temperature application using unicouples made from p-type and n-type β-Iron disilicide	International conference on Powder Matallurgy and particulate Materials, PM 17	V. Poddar	20-22 Feb 2017	New Delhi
8	Development of Near Net Shape Fe-Cu-C Sintered Powder Compacts Through Composition Control	European Powder Metallurgy World Congress-2016 Hamburg	S. P. Butee	10–13 Oct 2016	Germany
9	Recycling of mill scale for iron	European Powder Metallurgy World Congress-2016 Hamburg	N. B. Dhokey	10–13 Oct 2016	Germany

Workshop Attended

Sr. No.	Title of the Workshop	Name of the Faculty	Duration and Period	Venue
1.	Quality Improvement Program on " Excellence in Maintenance Engineering	Prof. R K Goyal	1-6 March 2017	Production and Industrial Engg Dept., COEP,
2.	Quality Improvement Program on " Excellence in Maintenance Engineering	Prof. Manisha Kulthe	1-6 March 2017	Production and Industrial Engg Dept., COEP,
3.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on “Characterisation of Micro- and Nanomaterials	Prof. Vashali Poddar	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
4.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on “Characterisation of Micro- and Nanomaterials	Prof. Manisha Kulthe	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
5.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on “Characterisation of Micro- and Nanomaterials	Prof. Kaustubh Kamble	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
6.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on “Characterisation of Micro- and Nanomaterials	Prof. P. G. Ranaware	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
7.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on “Characterisation	Prof. V. Thavale	March 20 - 24, 2017	Metallurgy depart., College of Engineering,

	of Micro- and Nanomaterials			Pune
8.	AICTE (under QIP) Sponsored One Week Short Term Training Program (STTP) on "Characterisation of Micro- and Nanomaterials	Prof. S U Dangarikar	March 20 - 24, 2017	Metallurgy depart., College of Engineering, Pune
9.	Two days workshop on Advances in Steel Technology: Processing, Properties, Performance	All Faculty	24-25 March 2017	Metallurgy Dept., COEP, Pune
10.	One Week GIAN Course: Slag Design in Metallurgical Processes	All Faculty	22-28 August 2016	Metallurgy Dept., COEP, Pune

Seminar Attended

Sr. No.	Title of the Workshop	Name of the Faculty	Period	Venue
1	XIX National Seminar on Ferroelectrics and Dielectrics	K.R. Kambale	19-21 Dec 2016	Dept of Physics, Maulana Azad NIT, Bhopal
2	5th Bharatiya Vigyan Sammelan & Expo 2017	M. J. Rathod	11 - 14 May 2017	Fergusson College, Pune
3	5th Bharatiya Vigyan Sammelan & Expo 2017	P. P. Deshpande	11 - 14 May 2017	Fergusson College, Pune

❖ 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**	**03**	**07**	**10**

Workshops Organized

Sr. No.	Title of the Workshop	Period	Duration	Venue	Name of the Faculty Coordinator	No. of Participants
1	Slag Design in Metallurgical Processes	22-28 August 2016	7 days	COEP	Dr. N. B. Dhokey	69
2	Characterisation of Micro- and Nanomaterials	20-24 March 2017	5 days	COEP	Dr. R. K. Goyal	39
3	Advances in Steel Technology: Processing, Properties, Performance	24-25 March 2017	2 days	COEP	Dr. N. B. Dhokey	55

Seminar Organized

Sr. No.	Title of the Seminar	Duration	Venue	Name of the Faculty Coordinator	No. of Participants
1	Younger nitriding methods on trial: Decision criteria for or against plasma or gas nitriding from a modern perspective -Thomas Müller Director of R&D RÜBIG GmbH & Co KG,	23 Nov 2016	College of Engineering	Dr. N. B. Dhokey	30

	Wels, Austria				
2	Nanostructures in Metal/Metal Oxide Powders Processed by Spark Plasma Sintering - Prof. Subhash H. Risbud Blacutt – Underwood Distinguished Professor of Materials Science, Department of Materials Science and Engineering University of California at Davis	19 Dec 2016	College of Engineering	Dr. N. B. Dhokey	35
3	Dr. Dara Antia Memorial Lecture this year delivered by Professor HKDH (Harry) Bhadeshia, currently the Tata Steel Chair Professor of Metallurgy and Director of SKF Steel Technology Centre at the University of Cambridge, UK	20 March 2017	IIM and COEP	Dr. N. B. Dhokey	250
4	Rare earths – A National prospective on economic growth,sustainability& security- Dr. R. N. Patra Former Chairman and Managing Director, Indian Rare Earths Ltd	7 April 2017	College of Engineering	Dr. Vilas Gunjal	45
5.	Cracking in Metals - Professor D B Goel, Ex. Professor of IIT	16 Jan 2017	College of Engineering	Dr. R. K. Goyal	85

	Roorkee				
6.	Composites for Defense Applications –Dr. Rahul Harshe (R & DE) Dighi, Pune	2 April 2017	College of Engineering	M. G. Kulthe	80
7.	Superplasticity - Dr J.K.Chakravartty former Director, MSD, BARC	5-6 April 2017	College of Engineering	N. R. Anand	85

❖ AWARDS & HONORS

- **For Faculty**

Sr. No	Name of the Faculty	Name of the Award	Description	No. of Awards
1	Nil			

- **For Students**

Sr. No	Name of the student	Name of the Award/Achievement	Description	No. of Awards
1.	Shreyas Joglekar	Best Outgoing Student - 2017	From Alumni Association	One
2.	Indrayani Kadu	Best Outgoing Student - 2017	From Institute	One
3.	Shreyas Joglekar	third in Poster Presentation at NMD-ATM Conference 2016	Steel Making Category	One
4.	Devki Deshmukh, Abhijeet Joshi and Shreyas Pethe (as a team)	Runners up in the Technocraft Booth Project Competition 2017	organised by Alumni Association of College of Engineering Pune	One
5.	Rushikesh Sabban	An award in the memory of Mr. M G Pawar for Welding Technology	Meta Vista, the annual departmental event was organized by the Indian Institute of Metals(IIM) – Pune Chapter	One
6.	Devki Deshmukh	selected for academic fellowship at Indira Gandhi Centre for	via Indian Academy of Sciences (IAS) Summer Research	One

		Atomic Research, Department of Atomic Energy, Kalpakkam	Fellowship Programme 2017	
7.	Prashantkumar Gaikwad ,Manasi Gade ,Adarsh Malji and Yogesh Waghmare	won innovation award in ISIE-ESVC 2017	team members of COEP Sunrisers	One
8.	HarshvardhanPatil, a team member of Team Velociracers,	second position in event Efficycle 2016 and first position in Endurance race.	was the driver for the season'16 of the vehicle manufactured by the team.	Two

❖ DETAILS OF STUDENTS GONE FOR HIGHER STUDIES

Name of the Student	Name of the University/ institute		Year of Passing
	Foreign	Indian	
Aditya Deshpande	Admission to MS program at Arizona State University		2016-2017
Pratik Joshi	Nuclear Engineering Graduate Program at NC State University		2016-2017
Chinmay Dahale		IISc Bangalore, Mtech Materials Engineering (GATE AIR 51)	2016-2017
Indrayani Kadu	Admission to MS program at KU Leuven, Belgium		2016-2017
Shreshtha Mishra	Admission to MS program at Arizona State University		2016-2017
Shreeraj Joshi	Admission to MS program at University of California		2016-2017
Gagandeep Kalshi		GATE AIR 97	2016-2017

❖ SPECIAL MENTION

❖ MEMBERSHIPS TO SOCIETIES

Sr. No	Name of the Society	Name of the faculty/s
1	'Secretary', Bombay Metropolitan Region (BMR) Chapter, Indian Ceramic Society (InCerS)	Dr. S.P. Butee

❖ FACULTY MEMBER

Sr. No.	Name of the Faculty	Highest Qualification	Designation	Areas of Interest
1.	Dr. N. B. Dhokey	Ph.D.	Professor & Head	Tribology, Powder metallurgy, Energy Materials, Soft Magnetic materials , Cryotreatment of materials
2..	Dr. M. J. Rathod	Ph.D.	Professor	Material joining and Laser material processing
3.	Dr. S. T. Vagge	Ph.D.	Professor	Corrosion and Surface Engg
4.	Dr. S. P. Butee	Ph.D.	Associate Professor	Electro-Ceramics
5.	N. R. Anand	M.E.	Associate Professor	Heat Treatment
6.	Dr. R. K. Goyal	Ph.D.	Associate Professor	Nanotechnology, polymer matrix nanocomposites, composites, electronic materials and materials characterization.
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.	A. M. More	M. Tech.	Assistant Professor	Physical Metallurgy
13.	K. Kamble	M.Tech	Assistant Professor	Ceramic processing, Electroceramics, ionic conductors, composite materials
14.	Nazia Patel	M.Tech	Assistant Professor	Thermal Spray Coating
15.	Dr. V. Gunjal	Ph.D.	Adjunct Faculty	Metallurgical Thermodynamics, Modelling in Materials Engg, Failure Analysis in Engg Materials
16.	V. S. Poddar	M.Tech	Adjunct Faculty	Wire Tech, Forging Tech, Electronic and

				Magnetic Materials
17.	Prakash Ranaware	Ph.D.	Adjunct Faculty	Heat Treatment
18.	Dr. P. R. Khangaonkar	Ph.D.	Adjunct Faculty	Physical Metallurgy
19.	M. U. Hosmane	M.E.	Adjunct Faculty	Forging Technology
20.	Dr. H. N. Dharwadkar	Ph.D.	Adjunct Faculty	Transport Phenomenon, Heat and Mass Transfer
21.	Dr. J. K. Chakravartty	Ph.D.	Steel Chair Professor	Mathematical Modelling
22.	Dr. Madhu Ranjan	Ph.D.	Emeritus professor	Forging Technology