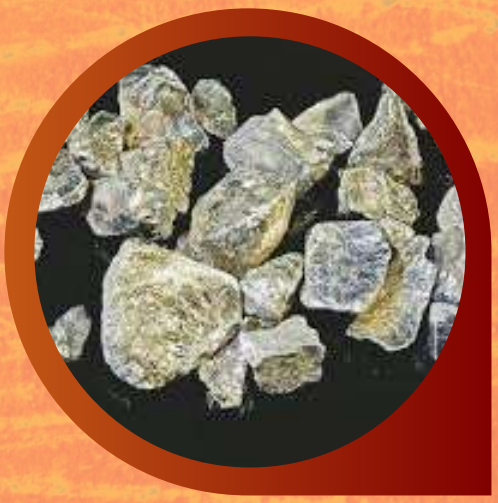
Department of Metallurgical and Materials Engineering

धातुकी एवं पदार्थ अभियांत्रिकी विभाग




Malaviya National Institute of Technology Jaipur

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

INFORMATION BROCHURE 2026

Mission

To impart Metallurgical and Materials Engineering education of international standards and conduct progressive and innovative research to meet the current and future challenges of technological development.

Vision

To provide Metallurgical and Materials Engineering manpower to meet the current and future demands of industries, research organizations, and academic institutions by imparting quality education.

Quality Policy

To impart knowledge in a manner that achieves total satisfaction of students, parents, employers, and society.

Motto

योग: कर्मसु कौशलम

Editorial Board

- **Prof. R.K. Goyal**, Professor & Head
- **Dr. Deepankar Panda**, Assistant Professor
- **Mukul Joshi,** UG Student (3rd Year)

Contents at a Glance

From the Desk of Director

Malaviya National Institute of Technology Jaipur (MNIT Jaipur) stands for excellence in quality education and is strongly committed to advancing teaching and research to the highest standards. In recent years, the institute has undergone significant growth and transformation in terms of academic activities, research output, and infrastructure development. In addition to delivering high-quality education, the institute regularly organizes training programs, invited lectures, workshops, and conferences. It consistently contributes to the academic community through a substantial number of publications in peer-reviewed journals and conference proceedings. A Regional Academic Centre for Space (RACS) has been established in collaboration with Indian Space Research Organisation. This facility is envisioned to serve as a hub for promoting space technology–related activities in the western region of India.

The Department of Metallurgical and Materials Engineering (DMME) is actively engaged in providing high quality education, research and development activities. It regularly organizes invited lectures by distinguished experts from industry, research organizations, and premier academic institutions such as Indian Institute of Science Bangalore (IISc, Bangalore), Indian Institutes of Technology (IITs), and National Institutes of Technology (NITs). The department is well-equipped with modern equipment and advanced instruments to support high-quality research. It also undertakes several prestigious research projects funded by agencies such as the Department of Science and Technology (DST), BRNS, ISRO, DRDO, Ministry of Mines, etc. The department is also funded by various private industries to carry out research activities as per their requirements. The wide range of academic and research activities carried out by the department reflects the vision and mission of the institute. I am pleased to note that the department has brought out a brochure that highlights its current status, achievements, and various activities.

Prof. Narayana Prasad Padhy

From the Desk of HOD

The Department of Metallurgical and Materials Engineering is one of the oldest departments of the institute and has evolved significantly over the years, continuously advancing in both teaching and research. Initially established to offer undergraduate program to a limited number of students, the department has expanded its academic portfolio to include postgraduate and Ph.D. programs. At present, the department has a total student strength of more than 360. The department is committed to delivering high-quality education through its dedicated faculty members, many of whom have academic and research experience from premier institutes in India and abroad. In addition to academic excellence, the department places strong emphasis on co-curricular and extracurricular activities to foster social values and ensure the overall well-being of students.

To promote leadership, organizational skills, and teamwork, the department supports an active student body called “Metallurgical and Materials Students Society (METMASS)”, Indian Institute of Metals (IIM) Jaipur Chapter and Bureau of Indian Standards (BIS) Department Student Chapter. These bodies conduct a range of cultural and technical activities, including technical talks, fitness awareness programs, Teachers’ Day celebrations, and Departmental-Industry Day (DID). Furthermore, to strengthen the student–faculty relationship, each faculty member mentors approximately 20 students, providing academic and personal guidance.

The department is well-equipped with dedicated research laboratories in areas such as advanced composites, powder metallurgy, joining of materials, welding, corrosion, mechanical testing, and advanced characterization techniques, including X-ray Diffraction (XRD) and Scanning Electron Microscopy (SEM).

During 2020–2025, the department has secured a total research funding of more than INR 700 lakhs from the government and private funding agencies. In the current half a decade, the department has achieved an exponential growth (i.e., significant increase in grant-in-aid, patents, and quality research papers). Through this brochure, we aim to present an overview of the department, highlighting its academic activities, research initiatives, and achievements.

Prof. Rajendra Kumar Goyal

About the Institute

Malaviya National Institute of Technology Jaipur was established in the year 1963 by the Ministry of Education (MoE, formerly MHRD), Government of India. The Institute earned the status of a National Institute of Technology and became a Deemed University on June 26, 2002. Formerly, it was known as Malaviya Regional Engineering College (MREC) Jaipur. This eminent institute was originally established as a joint venture by the Government of Rajasthan and the Government of India to facilitate the students a tight grasp of present-day. This institute derives its name after the inspiration from the great pedagogue and freedom fighter Pt. Madan Mohan Malaviya Ji.

The institute started with an intake of 30 students each in Electrical Engineering and Mechanical Engineering in the year 1963 at a temporary campus in Pilani. It was shifted to the present campus in the year 1965. The institute had a five-year Bachelor of Engineering Program in Electrical, Mechanical and Metallurgical Engineering which was changed to 4–year Program from the academic year 1983-84. Now, the Institute offers four-year Bachelor of Technology degree in 10 programs (Artificial Intelligence & Data Engineering, Civil Engineering, Chemical Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication, Mechanical Engineering, Metallurgical & Materials Engineering, Mathematics, and Physics) and a five-year degree in Bachelor of Architecture and Planning. Besides, the institute offers 20 PG specializations leading to M.Tech degree, three M.Sc. degree, one M.Plan degree, and Management degree courses. Moreover, a good number of Ph.D. students graduate every year. About 5000 students are studying on the campus. The institute has more than 300 highly learned and inspiring faculty. The Institute is actively engaged in research, consultancy, and developmental activities, high quality teaching. MNIT Jaipur is ranked at 42nd position in the NIRF 2025 Ranking (Engineering).

About the Department

The Department of Metallurgical and Materials Engineering was established in 1965. Initially, this department offered a five-year Bachelor's degree program admitting 30 students in its first batch. In 1984, the institute introduced a four-year Bachelor of Engineering degree course. In the year 1971, this department became the first to introduce a postgraduate degree course (i.e., Master of Engineering) in Non-Ferrous Metallurgy. Now, the department offers a Master of Technology in Materials Engineering. This department is also offering the Doctor of Philosophy (PhD) degree. In addition to B.E./B.Tech and M. Tech degrees, the department has produced 30 PhD degree holders during 2015-2025.

Presently, the department has 14 laboratories and state-of-the-art equipment such as High-temperature X-Ray Diffraction (XRD) and Scanning Electron Microscope (SEM). Besides, the department has a seminar room, a committee room equipped with audio-visual system, and a departmental library.

The department has sponsored research projects with a total outlay of more than Rs. 674 lakhs sponsored by the government as well as private agencies during 2021-2025. The faculty members of the department have published more than 150 research papers in peer-reviewed journals in the last five years. The department has continuous interactions/joint collaborative research projects with other academic institutions like IITs/NITs, R&D labs (such as CSIR-NCL Pune, CSIR-NML Jamshedpur, CSIR-IMMT Bhubaneswar, CSIR-NIIST Trivandrum, etc.) and other private industries to improve the quality of outcome-based education and research. Many faculty members are office bearers of "The IIM Jaipur Chapter". This chapter organizes regular expert lectures in the department for the benefit of students and faculty members. .

Faculty Members

Name: Dr. Rajendra Kumar Goyal
Designation: Professor & Head
Educational Qualification: BE, PhD (IIT Bombay)
Area of expertise: Nanomaterials, Additive Manufacturing of Polymeric Materials, Advanced Composites, Structure-Property Correlation, Development of Advanced Materials for Electronics (PCB, Microwave Substrate, EMI/RF Shielding etc.)

Name: Dr. Upender Pandel
Designation: Professor (HAG)
Educational Qualification: BE, ME, PhD (MNIT Jaipur)
Area of expertise: Metal Casting, Extractive Metallurgy, Materials Science.

Name: Dr. Vijay Navaratna Nadakuduru
Designation: Associate Professor
Educational Qualification: BE, M.Tech, PhD (University of Waikato, New Zealand)
Area of expertise: Mechanical Working, Powder Metallurgy, Nanostructured Materials, Friction Stir Welding.

Name: Dr. Krishna Kumar
Designation: Associate Professor
Educational Qualification: BE, M.Tech, PhD (MNIT Jaipur)
Area of expertise: Nanocomposites, Extractive Metallurgy, Thermoelectric Materials

Name: Dr. Ajaya Kumar Pradhan
Designation: Associate Professor
Educational Qualification: BE, M.Tech, PhD (IIT Kharagpur)
Area of expertise: Composite Materials, Corrosion and Surface Coatings, Tribology, Metal Casting.

Name: Dr. Sreekumar V.M.
Designation: Assistant Professor
Educational Qualification: BE, PhD (IIT Kharagpur)
Area of expertise: Metal Casting, Composite Materials / Nano-composite Materials, Advanced Manufacturing Technologies.

Faculty Members

Name: Dr. Jyotirmaya Kar
Designation: Assistant Professor
Educational Qualification: B,Tech, M.Tech, PhD (IIT Kharagpur)
Area of expertise: Joining of Materials, Structure-Properties Correlation.

Name: Dr. Swati Sharma
Designation: Assistant Professor
Educational Qualification: BE, M.Tech, PhD (IIT Kanpur)
Area of expertise: Physical Metallurgy, Mechanical Metallurgy, Structure-Property Correlations, Alloy Design, Surface Engineering

Name: Dr. Rajesh Kumar Rai
Designation: Assistant Professor
Educational Qualification: B.Tech, MTech, PhD (AcSIR NML)
Area of expertise: Structure-Properties Correlation, Creep-Fatigue Interaction, Deformation Micro-mechanisms, Electrochemistry, Fracture Mechanics

Name: Dr. Manjesh Kumar Mishra
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (IIT Bombay)
Area of expertise: Friction welding, Mechanical behaviour of materials, Testing and characterization of materials, Additive Manufacturing of Metals.

Name: Dr. Randhir Kumar Singh
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (AcSIR NML)
Area of expertise: Creep-Fatigue Interactions, Testing & Characterization of Materials, Hot Deformation Studies, Heat Treatment

Name: Dr. Kunal Borse
Designation: Assistant Professor
Educational Qualification: B,Tech, PhD (IIT Bombay)
Area of expertise: Nanostructured thin film solar cells, Polymer-fullerene bulk heterojunction organic solar cell, Corrosion and Surface Engineering.

Faculty Members

Name: Dr. –Ing. Brij Mohan Mundotiya
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (Gottfried Wilhelm Leibniz Universität Hannover)
Area of expertise: Thin films, Ultrafine and Nanostructured Materials, Nanostructured Thin Films/Coatings.

Name: Dr. Abhishek Tripathi
Designation: Assistant Professor
Educational Qualification: B.Tech, PhD (IIT Bombay–Monash Uni.)
Area of expertise: Crystallographic Texture, Thermomechanical Processing, Mechanical Behaviour.

Name: Dr. Deepankar Panda
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (NIT Rourkela)
Area of expertise: Crystallographic Texture, Deformation Behavior of Metals, Magnesium Alloys, Annealing Phenomena, and Mechanical Alloying.

Name: Dr. Bandi Suresh
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (VNIT Nagpur)
Area of expertise: Nanostructured Materials, Growth and Formation Mechanisms, Phase Transformations, Non-stoichiometric Oxides, Materials for Functional Applications.

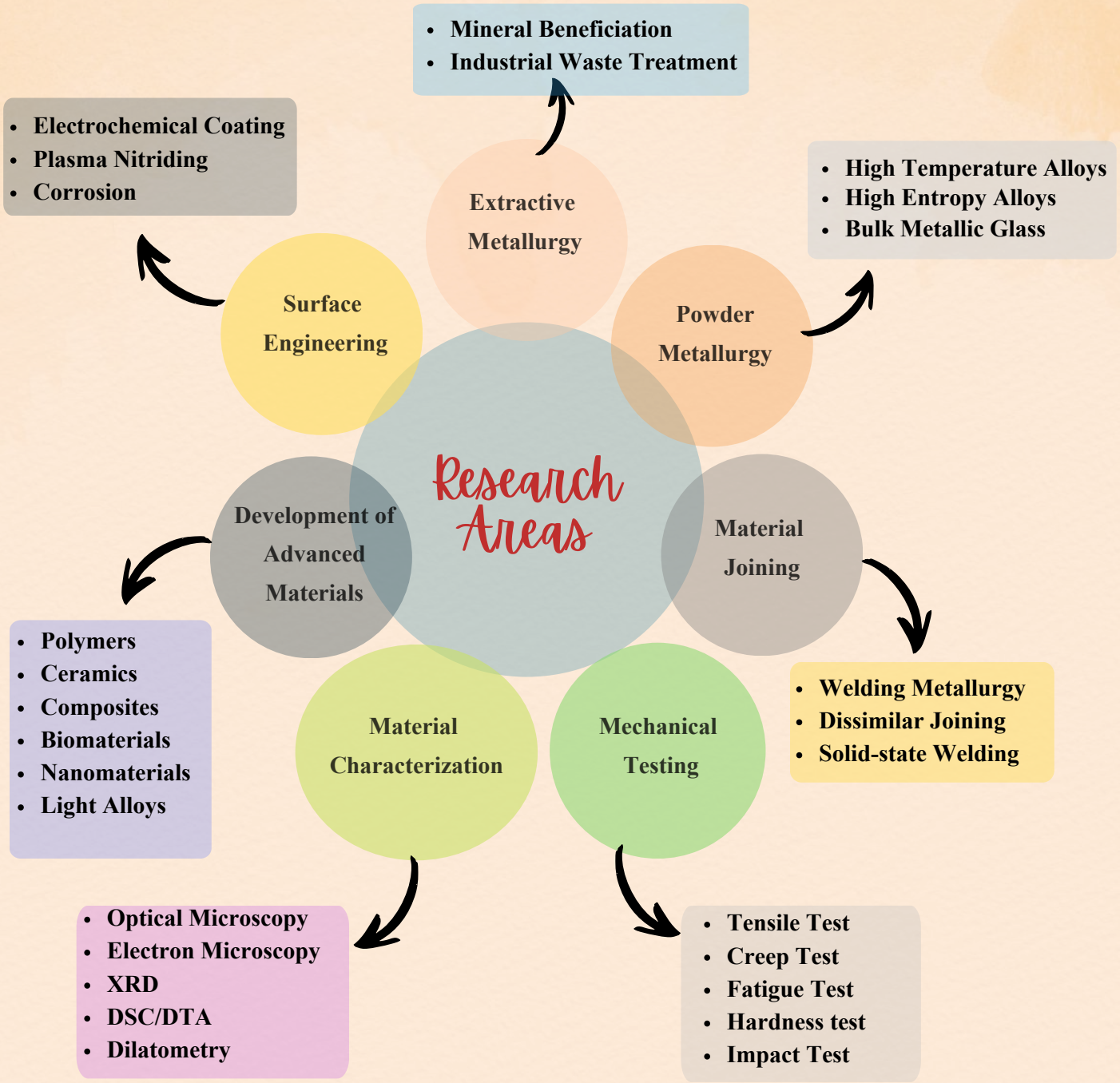
Name: Dr. Richa Gupta
Designation: Assistant Professor
Educational Qualification: B.Tech, M.Tech, PhD (IIT Bombay)
Area of expertise: Mechanical Behaviour of Materials, Phase Transformations, Structure-Properties Correlation, Superalloy, Hot Deformation Studies.

Support Staff

Name: Mr. Gaurav Kumawat
Designation: Senior Technician
Educational Qualification: B.Tech
Equipment Handling: SEM, XRD, Microhardness, Dilatometer, UTM

Academic Programs & Area of Research

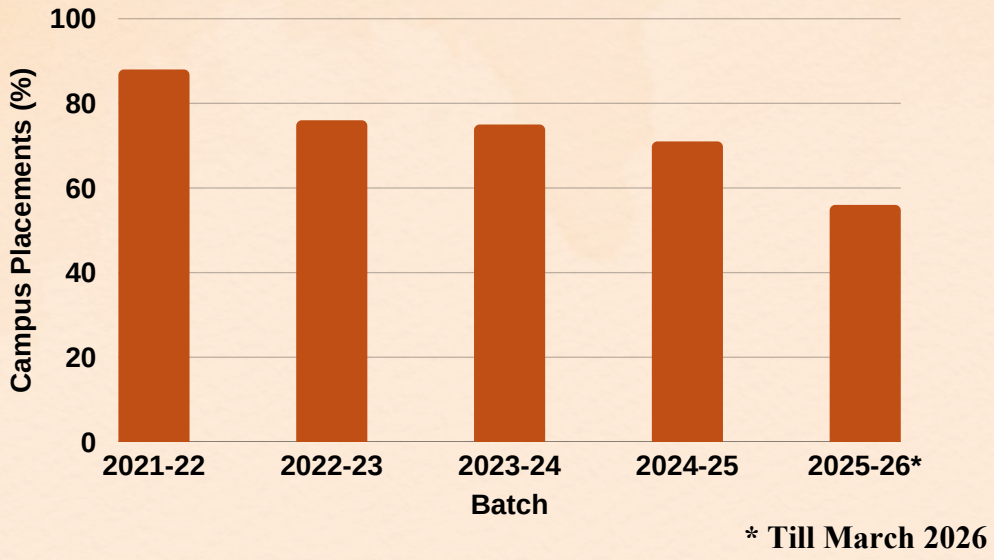
Program	Duration (Years)	Specialisation	Admission Through
B. Tech	4	Metallurgical and Materials Engineering	CSAB
M. Tech	2	Materials Engineering	CCMT
M.Tech. (Part Time)	3	Materials Engineering	Entrance Test and/or Interview
Ph.D.	3-5	Research area related to Metallurgical and Materials Engineering	GATE: Direct Interview Non-GATE:Entrance Test & Interview



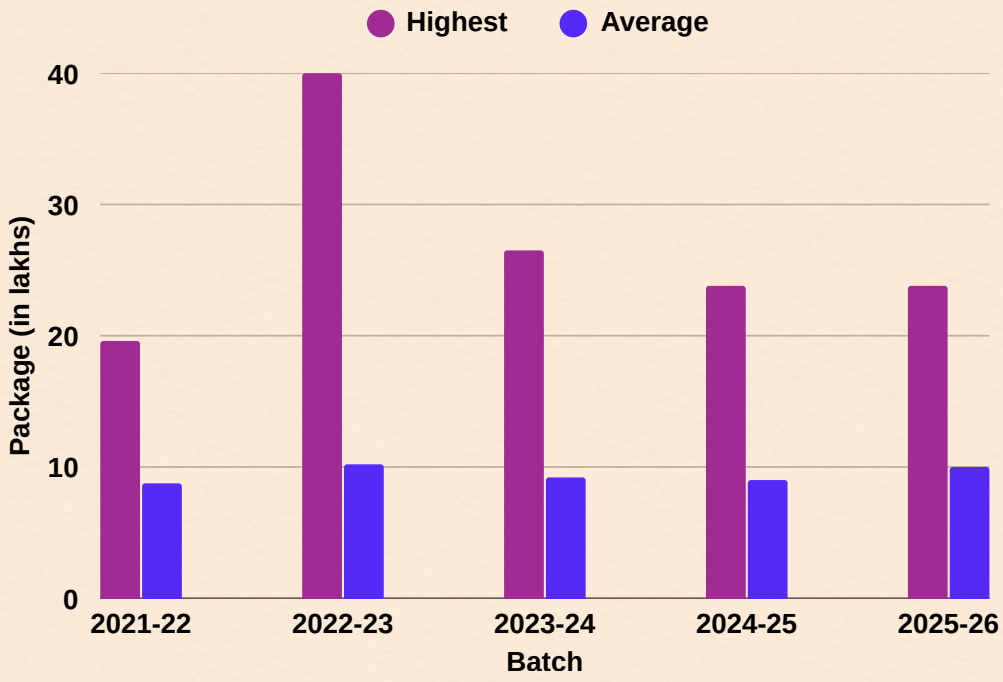
Placement Statistics

Our Top Recruiters

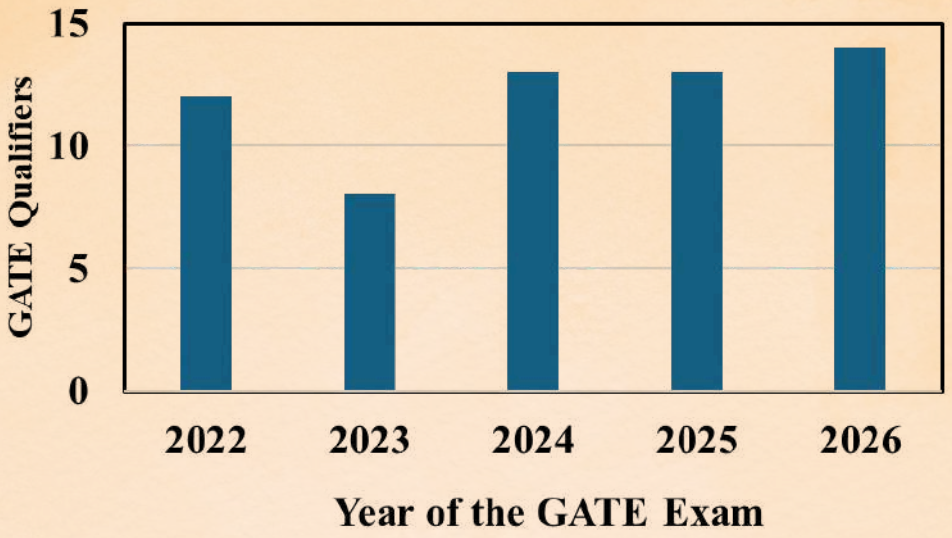
TATA BLUESCOPE STEEL
AM/NS INDIA
A joint venture between ArcelorMittal and Nippon Steel Corporation
BYJU'S The Learning App
JSW
ArcelorMittal
NIPPON STEEL
JSL JINDAL STAINLESS
TATA STEEL
OPTUM
Good for the system.
IIFL
NATION WITH NAMO
J.P.Morgan
Reliance Industries Limited
Growth is Life
Polestar
vedanta
transforming for good
genpact
Capgemini



* Till March 2026



Student Achievements



Prestigious Fellowship/Scholarship

- DAAD WISE Fellowship
- PMRF for Ph.D.
- IASc-INSA-NASI Summer Research Fellowship
- National Scholarship, Ministry of Tribal Affairs, India
- OPJEMS Scholarship

Higher Studies Opportunities

- Students get admission for MBA in IIMs every year.
- Students get admission for a direct PhD in IISc/IITs.

PhD scholar Vaibhav S. Darekar receiving best poster award in Int. Conf. APA 2025 held at Udaipur on October 13–15, 2025

BTech students receiving 1st Prize (Rs. 65,000/-) by Padma Vibhushan Dr. Anil Kakodkar in 'ResCon 2024' at IIT Bombay on 13-14 Jan., 2024

Industrial Visits

Hindustan Zinc Limited, Udaipur, Rajasthan on 13th – 14th Mar. 2026

Jindal SAW Ltd., Bhilwara, Raj. on 6th Sep. 2025

Vedanta Limited, Goa on 30th Mar. 2026

Hindustan Copper Limited, Khetri on 28th Sep. 2024

Major Facilities

Instrument Photo	Name of the Equipment
	X-Ray Diffractometer (DST-FIST Sponsored)
 	**Advanced Material Characterization** • Differential Scanning Calorimetry (DSC) • Scanning Electron Microscope (SEM) • Multi-viewer Microscope • Dilatometer
 	**Mechanical Testing** • Universal Testing Machine (Instron 8862) • Creep Testing Machine • Izod/Charpy Impact Tester • Microhardness Tester • Brinell Hardness Tester • Rockwell Hardness Tester
	**Advanced Composites** • Vector Network Analyzer • Resistivity Meter • 7½ Digits Digital Multimeter • Dielectric Strength Tester • Melt Flow Indexer • HDT/VSP Tester • Limiting Oxygen Indexer (LOI)





Major Facilities

Instrument Photo	Name of the Equipment
	**Mineral Processing** • Froth Flotation Cell • Ball Mill • Magnetic Separator • Mineral Jig • Pellet Forming Machine
	**Extractive Metallurgy** • Muffle Furnace • Weighing Balance • Hot Air Oven
 	**Foundry** • Bottom Pouring Furnace • Hot Tensile Tester • Humidity Content Tester • Compressive Strength Testing Machine • Infrared Moisture Tester
	**Fuel and Furnaces** • Bomb Calorimeter • Rising Hearth Furnace • Cleave Land Flash and Fire Point • Pensky Martin Flash And Fire Point • Redwood Viscometer
 	**Powder Metallurgy** • Planetary ball mill • Sintering furnace • Cold compaction press

Major Facilities

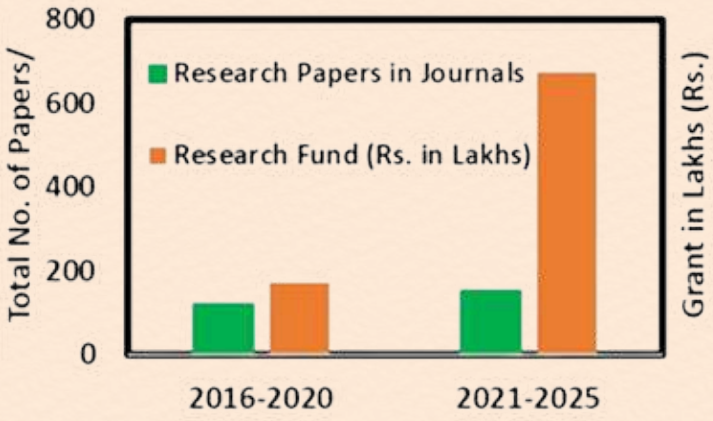
Instrument Photo	Name of the Equipment
	**Physical Metallurgy and Heat Treatment** • High-temperature Muffle Furnace • Salt bath furnaces
	**Mechanical Working Lab** • Bench-Vice, Power Grinder • Lathe Machine, Surface Grinder • Vertical Drill, Wire Drawing Machine • Shaper Machine • Spinning Lathe • Forging Hammer • Rolling Mill
 	**Metal Joining** • Resistance Spot Welding • SMAW Welding, Gas Welding
 	**Metallography** • Inclined Monocular Microscope • Disc Polishing Machine • Trinocular Metallurgical Microscope
	**Electrometallurgy and Corrosion** • Potentiostat • DC Power Source • DUCOM Wear Tester

Research & Development Activities

S.N.	Title of the Research Projects (2020-2025)	Funding Agency	Amount (in lakhs)
01	Additive Manufacturing of Polyetherimide (ULTEM) Based Nanocomposites for Aerospace & Space Applications	ISRO	25.86
02	Development of Plasma Sprayed High Temperature Oxidation Resistant Coating Materials for Satellite Thrusters	ISRO-RACS	22.00
03	Thermodynamic Modelling of Phases present in Non-standard Materials (Stainless Steel, Copper and Nickel Base Superalloys) used in Liquid Rocket Engine Materials	ISRO	20.80
04	Development of Emerging Materials (FIST-2021)	DST-FIST	141.00
05	Cold Spray Coating of High Entropy Alloys on Nickel-Aluminium Bronze Alloy to Improve its Cavitation Erosion and Corrosion Behaviour in The Marine Environment	DRDO	61.61
06	Development of Ultra-High Hardness Steel through Grain Refinement for Automotive and Defence Industries-A Novel Approach	CRG-DST	53.55
07	Novel Material Manufacturing Method for Large Volume Cast Metal Matrix Nanocomposites (Ultra-Cast)	Ministry of Mines	50.50
08	Novel Synthesis and Formability of Ultrafine Grained Ti-46Al-1B (at.%) Alloy	SERB-DST	36.43
09	Study on Dissimilar Joints like Aluminum to Steel, Inconel to Ti-6Al-4V, and Zircaloy-4 to Steel Produced by High Energy Density Welding Processes like EBW A and LBW	DST	35.00
10	Quenching Behavior of Bottom-Flooded Molten Pool	BRNS	35.00
11	Exploratory Study on Effect of Microstructure Evolution on Mechanical Strength of Superalloys	GTRE-DRDO	24.60
12	The Coating of CuNiFeCrMo-Graphene Oxide Nanocomposites on CFRP-Carbon Fiber Reinforced Plastics/ Composites to Improve Thermal Conductivity and Electrical Conductivity Properties of CFRP	ISRO	25.00
13	Development of AlCoCrFeNiTi High Entropy Alloy for High-Temperature Aerospace Applications	ISRO	24.83
14	Assessment of Additive Manufactured Titanium Alloy and Cast Nickel-Aluminium-Bronze Alloy an Exploratory Study for Naval Propeller Material	NRB-DRDO	20.04

Research & Development Activities

15	Development of Technology to Recover High Purity Metal	Aromatics (I) Pvt Ltd	15.30
16	Improving the Existing Processes for Manufacturing High-Alloyed Steel Components Through Additive Manufacturing	RS Infra Transmissions Ltd.	26.40
17	Hardness Evaluation of Nanocomposite Coating	RS Infra Transmission Ltd	9.50
18	Technical Qualification of Copper-Tin Alloy (C90300 grade) Casting of Statue	Shree Jin Kushal Suri Sevashram Trust	5.38
19	Study and Identification of Critical Parameters for Classification of Refractory Insulating Bricks/Shaped Insulating Products	Bureau of Indian Standards	5.00
20	Integrated Application of In-situ Monitoring CALPHAD Modeling and Ultrasonic Treatment for Predicting and Mitigating the Porosity and Hot Tearing Defects Formed during the Additive Manufacturing	ISRO	28.95
21	Study on the Processing of Nitinol at Meso Scale	DMRL-DRDO	10.00
22	Forming Limiting Diagram (FLD) Generation and Optimization of Cold Forming of KC20WN Cobalt Based Super Alloy for Rocket Nozzle Divergent	ISRO	21.67
23	Joining of AA6061 and CFRP using Hybrid Joining and Novel Surface Treatment	ARG	64.70



इस्पात मंत्रालय MINISTRY OF STEEL

विज्ञान एवं प्रौद्योगिकी विभाग DEPARTMENT OF SCIENCE & TECHNOLOGY

खान मंत्रालय MINISTRY OF MINES

SERB INDIA

DRDO

भाप अ कें BARC

Anusandhan National Research Foundation

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Research Paper in Peer-Reviewed Journals

S. N.	Journal Publications (2025)
01	N. Sindhu, S. Manani, Sreekumar V. M., and R. K. Goyal, J. Mater. Sci. , 60, 7577-7598, 2025. Q1
02	R. D. Gadve, S. H. Joshi and R. K. Goyal, J. Mater. Sci.: Mater. Electron. 36, 666, 2025. Q2
03	R. Gadve, S. H. Joshi, and R. K. Goyal, Polym. Compos. 46, 13450-13465, 2025. Q1
04	N. Sindhu, Sreekumar V.M., R. K. Goyal, Int. J. Cast Met. Res. (In press–2025). Q3
05	M. Joshi, A. Goyal, R. Gadve, G. Upadhyay, R. K. Goyal, High Perform. Polym., 37, 78-87; 2025. Q1
06	P. Bohane, S. Bandi, R. Karthikeyan, P. Deshmukh, T. B. Gohil, and A. K. Srivastav, JOM, 77; 2025. Q2
07	B. M. Mundotiya, B. Chauhan, and S. K. Bairwa, Int. J. Appl. Ceram. Tec, E15102, 1-10; 2025. Q3
08	B. M. Mundotiya, A. Shah, P. Burdak, S. K. Bairwa, J. Alloys Compd., 1020, 179466; 2025. Q1
09	P Singh, S Sharma, K Kumar, G Iyer, A Kumar, J. Mater. Eng. Perform., 34, 3706-3716; 2025. Q2
10	T. S. Kumar, S. Shalini, J. Petru, M. K. Mishra, N. Jeyaprakash, K. Kalita, J. Mater. Res. Technol., 36, 157-172, 2025. Q1
11	R. K. Rai, Mater. Chem. Phys., 332, 130311, 2025. Q1
12	S. Chandra, N. Paulose, R. K. Rai, Int. J. Fatigue., 194, 108858; 2025. Q1
13	R. K. Rai, S. Chandra, A. P. Singh, N. Paulose, C. Srivastava, Mater. Sci. Eng. A, 922, 147630, 2025. Q1
14	R. K. Rai, S. Chandra, N. Paulose, Met. Mater. Int., 31 (2), 355-367; 2025. Q1
15	R. Singh, S. K Vajpai, S. Sharma, Trans. Indian Inst. Met., 73, 1227-1237; 2025. Q2
16	S. S. Maurya, A. K. Grain, I. P. Kar, S. Kumar, S. Sharma, N. K. Singh, K. K. Pandey, A. K. Keshri, Metall. Mater. Trans. A, 56,1773-1785; 2025. Q1
17	Gaur, A., Kumar, R., Pandel, U., Keshri, A. K., Sharma, S. (2025). Materials Today Communications, 113493. (2025). Q1
18	R. K. Saini, U. Pandel, V. N. Nadakuduru, Phys. Met. Metallogr. 126, 1369-1379;2025.Q3
19	V. S. Darekar, Priyanka Gupta, and R. K. Goyal, Polym. Compos., 46, 17071-17088, 2025. Q1

Research Paper in Peer-Reviewed Journals

20	M. K. Mishra, A. G. Rao, A. Tripathi, D. Singh, R. Kumar, MMA, 14, 446-481, 2025. Q2
21	N. K. Sahu, R. K. Naik, D. Panda, S. K. Sahoo, P. K. Kar, S. K. Badjena, J. Mater. Eng. Perform., 34, 5828–5842, 2025.Q2
22	B. P. Mahto, A. Tripathi, A. G. Rao, R. Kumar, R. K. Rai, And M. K. Mishra, Metall. Mater. Trans. A., 56, 2705-2719, 2025. Q1
23	Banti Chauhan,Vijay Navaratna Nadakuduru, Brij Mohan Mundotiya , Colloids and Surfaces A: Physicochemical and Engineering Aspects, 722, 137323, 2025. Q1
24	B. M. Mundotiya, A. Shah, P. Burdak, S. K. Bairwa, J. Alloys Compd., 1020, 179466; 2025. Q1
25	Banti Chauhan, Ankit Dev Singh, Srijan Sengupta, Vijay Navaratna Nadakuduru, Brij Mohan Mundotiya, Wear, 578-579, 206177, 2025. Q1
26	Sangeeta Sharma, R. K. Singh, and R. K. Rai, Physics of Metals and Metallography, 126, 668-694, 2025. Q1
27	R K Saini, U Pandel, Vijay N Nadakuduru, Physics of Metals and Metallography, 126, 501-518, 2025. Q1
28	V. S. Darekar and R. K. Goyal, Polymer Composites, 46, S544-S555, 2025. Q1
29	Shrawan Kumar Bairwa, Suresh Bandi, Brij Mohan Mundotiya, J. Alloys Compounds Commun., 8, 100120, 2025.
30	Ashwin Shah, Mahesh Patel, Jayaparakash Murugesan, Rajesh Kumar Rai, Brij Mohan Mundotiya, Intermetallics, 187, 109021, 2025. Q1
31	Ishwar Sharma, Kavyansh Nag, Poojitha Tallapudi, Aayush Sharma, Bhavika Rakecha, Rajendra Kumar Goyal, Kunal Borse, Discov. Mater., 5, 102, 2025. Q1
32	Banti Chauhan, Deepankar Panda, P. Patel, S.K. Sahoo, Vijay Navaratna Nadakuduru, Brij Mohan Mundotiya, Surf. Interf., 76, 107965, 2025. Q1
33	Utkal Suresh Patil, S. M. Jagadeesh Babu, M.K. Thota, S. Avinash, Rahul Ramesh Kulkarni, S. Gangolu, Dasharath S M, M. K. Mishra, J. Alloys Compd., 1035, 181592, 2025. Q1
34	Sunil Manani, Nidhi Sindhu, R.K. Goyal, Sanjeev Das, T.P.D. Rajan and V.M. Sreekumar, Int. J. Cast Met. Res., 38, 71-83, 2025.

Research Paper in Peer-Reviewed Journals

35	Bishnu Prasad Mahto, Abhishek Tripathi, A.G. Rao, Rajesh Kumar Rai, Rajiv Kumar, M.K. Mishra, J.Alloys Compd., 1042, 183912, 2025. Q1
36	R K Saini, V. Vidyasagar, U Pandel, Vijay N Nadakuduru, J.Mater. Eng. Perform. (In press–2025). Q2
37	Ashwin Shah, Rajesh Kumar Rai, Brij Mohan Mundotiya, Mater. Corros., 76, 1548-1559, 2025.
38	Keshav Gupta, Anurag Sharma, and Kunal Borse, Mater. Lett., 403, 139552, 2025. Q2
39	Hemant Gulupalli, Ishwar Sharma, Biddika Lokesh, Kunal Borse, Optoelectron. Adv. Mat., 19, 211-215, 2025. Q4
40	A Andrews Cyril, Ankit Dev Singh, Ghanshyam Varshney, Ayan Dey, M. K. Mishra, Srijan Sengupta, J. Alloys Compd., 1030, 180838, 2025. Q1
41	A.Sharma, K. Kumawat, P. S. Birda, and J. Kar, J.Mater. Eng. Perform. 34, 14034–14042; 2025. Q2

S. N.	Journal Publications (2024)
01	P. Rao, S. Singh, K. Kumar, U. Pandel, C. Srivastava, J. Mater. Eng. Perform., 5, 1-16; 2024. Q2
02	R. Gupta, G. Mittal, K. Kumar, and U. Pandel, Funct. Compos. Struct., 4; 2024. Q2
03	M. Mohan, S. Singh, U. Pandel, K. Kumar, C. Srivastava, Electrochim. Acta., 485, 144095; 2024. Q1
04	M. Mohan, U. Pandel, K. Kumar, Mater. Res. Express., 11, 1-29; 2024. Q2
05	S. Manani, N. Sindhu, T. P. D. Rajan, R. K. Goyal and Sreekumar V. M., IJMC, 1-19; 2024. Q1
06	V. S. Darekar and R. K. Goyal, J. Mater. Sci.: Mater. Electron, 35, 1167; 2024. Q2
07	V. S. Darekar, R. D. Gadve and R. K. Goyal, J. Mater. Sci.: Mater. Electron, 35,1911; 2024. Q2
08	R. D. Gadve and R. K. Goyal, Nanotechnol., 35, 335205; 2024. Q2
09	N. Sindhu, R. Kumar Goyal, Sreekumar V. M., Metall. Mater. Trans. A, 55, 1654-1672; 2024. Q1
10	R. K. Goyal, Nanotechnol., 35,155702; 2024. Q2
11	M. Kumar, R. K. Goyal, S. Sharma, High Perform. Polym., 36, 130-140; 2024. Q1

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12	V. S. Darekar, M. G. Kulthe, A. Goyal, R. K. Goyal, J. Electron. Mater., 53, 1344-1359; 2024. Q2
13	B. B. Sahoo, P. K. Sahoo, V. Bhaviripudi, Krushna C. Sahu, A. Tripathi, N. K. Sahoo, R. Aepuru, Vishwajit M. Gaikwad, S. Sahoo, A .K. Satpati, and C. P. Lee, ACS Omega, 9, 4600-4612; 2024. Q1
14	V. T. Gaikwad, I. Balasundar, A. Tripathi, R. K. P. Singh, M.K. Mishra, MST, 40 (12), 909-920; 2024. Q1
15	B. Venugopal, R. Mudike, R. Ravi, P. K. Sahoo, A. Tripathi, I. Shown, J. Alloys Compd, 984, 173886; 2024. Q1
16	V. T. Gaikwad, M. K. Mishra, A. Tripathi, R. K. P. Singh, MST. (In press–2024). Q1
17	A. Tripathi and A. Tewari, MST. (In press–2024). Q1
18	S. Manani, M. Kumar, N. Patel, A. K. Pradhan, MMA, 13, 807–816; 2024. Q2
19	M. Agrawal, G. Mittal, N. Patel, A. K. Pradhan, MMA, 13, 443–451; 2024. Q2
20	N. Patel, A. K. Pradhan, IJMC, 18, 3104–3114; 2024. Q1
21	N. Patel, M. Joshi, A. Singh, G. Mittal, M. Agrawal, S. Manani, A. K. Pradhan, IJMC, 18, 1151–1159; 2024. Q1
22	N. Patel, S. Manani, A. K. Pradhan, IJMC, 18, 2624-2632; 2024. Q1
23	N. Patel, G. Mittal, M. Agrawal, A. K. Pradhan, IJMC, 18, 2181-2198; 2024. Q1
24	B.Chauhan, V. N. Nadakuduru, B. M. Mundotiya, TMSI, 18(2), 124-132; 2024. Q3
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26	M.Mohan, S. Singh, K. Kumar, U. Pandel, J.Inst. Eng. India Ser. D. (In press–2024). Q2
27	R. Gupta, G. Mittal, K. Kumar, U. Pandel, Model. Simul. Mater. Sci. Eng., 32, 055021; 2024. Q2
28	M. Mohan, S. Singh, U. Pandel, K. Kumar, C. Srivastava, J. Alloys Compd, 1003, 175766; 2024.
29	N. Tiwari, A. Anjum, K. Markad, R. Gupta, K. Kumar, IJIDeM. , 1, 1-32; 2024. Q2
30	R. Gupta, N. Tiwari, K. Kumar, U. Pandel, Polym. Compos, 1, 1-22; 2024. Q1
31	R. Gupta, G. Mittal, G. K. Nhaichaniya, K. Kumar, U. Pandel, J. Appl. Polym. Sci., 141, e56233; 2024.
32	I. Sharma, K. V. K. Adari, L. Biddika, K. Borse, Discov. mater., 4, 76; 2024. Q1
33	V. T. Gaikwad, I. Balasundar, A. Tripathi, R.K.P. Singh, M. K. Mishra, MST, 40, 909-920; 2024.
34	V. T. Gaikwad, M. K. Mishra, R. K. P. Singh, MMA, 13, 400-409; 2024. Q2
35	V. T. Gaikwad, M. K. Mishra, A. Tripathi, R. K. P. Singh, MST, 41, 867 – 876; 2024. Q1
36	S. Kumar, R. K. Rai, Trans. Indian Inst. Met., 77 (11), 4033-4039; 2024. Q2
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39	R. K. Rai, N. Paulose, J. K. Sahu, Phil. Mag., 104, (11-12), 537-556; 2024. Q3
40	R. K. Singh, S. Paswan, Trans. Indian Inst. Met., 77, 1287-1297; 2024. Q2
41	A. Kumar, Damodran, R. K. Singh, R. K. Kumar, S. Cyril, J. Daniel, A. K. Hegde, B. K. Nagesha, Proc. Struct. Integr., 56, 65-70; 2024.
42	K. V. Krishna, S. Rowthu, V. N. Nadakuduru, G. Pilla, N. K. Babu, FST, 80 (1), 68-81; 2024. Q2
43	Nair, A. M., Kumar, R., Maurya, S. S., Gaur, A., Keshri, A. K., & Sharma, S. Materials Today Communications, 41, 110238. (2024). Q1
44	R. R. Kumar, R. K. Singh, V. Florist, N. Pai, C. R. Anoop, D. Tripathy, S. V. S. N. Murty, J. Mater. Res. 39, 2397-2414; 2024. Q2
45	Sreekumar V. M., S. Manani, D. G. Eskin, Adv. Eng. Mater., 26 (13), 2400417; 2024. Q1
46	A. M. Nair, R. Kumar, S. S. Maurya, A. Gaur, A. Kumar Keshri, S. Sharma, Mater. Today Commun., 41, 110238; 2024. Q1
47	R. Kumar, S. Indupuri, K. K. Pandey, S. Sharma, S. M. Pandey, A. K. Keshri, Ceram. Int., 51 (3), 3633-3641; 2024. Q1
48	P. Singh, S. Sharma, K. Kumar, G. Iyer, S. Lal, A. Kumar, ERX, 6 (2), 025522; 2024. Q2
49	S. Prasad, S. Sharma, C. Satish, P. Singh, S. Indupuri, P. S. Kiran, N. Pandit, S. M. Pandey, A. K. Keshri, J. Mater. Res., 39, 1797-1811; 2024. Q2
50	M. Kumar, R. K. Goyal, S. Sharma, High Perform. Polym., 36, 130-140; 2024. Q1
51	R.S. Shekhawat, V. N. Nadakuduru, Powder Metall Met. C+. , 63, 147-158; 2024. Q3
52	R. K. Saini, U. Pandel, V. N Nadakuduru, Trans. Indian Inst. Met., 77, 3849–3857; 2024. Q2
53	M. N. Verma, V. N. Nadakuduru, J. Mater. Eng. Perform. 34, 11991–11999; 2024. Q2
54	N. Patel, A. K. Pradhan, IJMC, 18, 2924–2932; 2024. Q1
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08	N. Patel, S. Manani, A. K. Pradhan, Trans. Indian Inst. Met., 76, 1929-1936; 2023.
09	S. Manani, N. Patel, A. K. Pradhan, Trans. Indian Inst. Met., 76, 1095-1102; 2023.
10	A. Kumari, A. Kumar, R. Dawn, J. Roy, S. Jena, R. Vinjamuri, D. Panda, S. K. Sahoo, and V. R. Singh, J. Alloys Compd., 933, 167739; 2023.
11	N. K. Singh, A. Kumar, R. Dawn, S Jena, A. Kumari, V. R. Singh, M. Zzaman, R. Shahid, D. Panda, S. K. Sahoo, U. K. Goutam, V. K. Verma, K. Kumar, M. Khatravath, A. Priyamt, J. Electron. Mater. 52, 669; 2023.
12	J. Kar, Weld World, 67, 2007-2016; 2023.
13	A. Gaur, R. Kumar, P. Singh, U. Pandel, A. K. Keshri, S. Sharma, Metall. Mater. Trans. A. , 54, 4757-4769; 2023.
14	I. Sharma, H. Gulupalli, S. Thada, S. Jain, R. K. Goyal, K. Borse, JNAEN,11 (3-4), 80-84; 2023.
15	V. T. Gaikwad, M. K. Mishra, V. D. Hiwarkar, R. K. P. Singh, J. Mater. Eng. Perform, 32, 1660-1670; 2023.
16	R. K. Rai, MST, 39 (6), 714-719; 2023.
17	R. K. Rai, P. S. M. Jena, N. Paulose, J. K. Sahu, Fatigue Fract. Eng. Mater. Struct., 46 (3), 835-844; 2023.
18	S. S. Maurya, K. K. Pandey, S. Sharma, S. Kumari, K. K. Mirche, D. Kumar, S. M. Pandey, A. K. Keshri, Diam. Relat. Mater., 133, 109714; 2023.
19	V. Krishna K., G. Krishna C., N. Polamarasetty, M. K. Talari, V. N. Nadakuduru, and K. B. Nagumothu, FST, 80(1), 82-97; 2023

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S. N.	Journal Publications (2022)
01	R. K. Goyal, R. Agrawal, and A. K. Bhargava, Polym. Plast. Technol. Eng., 61, 471-481; 2022.
02	M. G. Kulthe, R. K. Goyal, S. P. Butee, Mater. Sci. Eng. B, 282, 115752; 2022.
03	S. Bhattacharya, A. A. Das, G. C. Dhal, P. K. Sahoo, A. Tripathi, N. K. Sahoo, J. Environ. Manage., 302, 114022; 2022.
04	S. Manani, A. Patodi, M. N. Verma, A. K. Pradhan, MAA, 11, 415-424; 2022.
05	U. S. Waware, R. Nazir, A. Hamouda, A. K. Pradhan, Eur. Phys. J. Plus.,137, 744; 2022.
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09	N. Sahu, D. Panda, S. K. Badjena, and S. K. Sahoo, J. Mater. Eng. Perform., 32, 4237; 2022.
10	S. N. Alam, P. Shrivastava, D. Panda, B. Gunale, K. Susmitha, and P. Pola, Mater. Today Commun., 31, 103267; 2022.
11	D. Panda, S. Tripathy, R. K. Sabat, S. Suwas, and S. K. Sahoo, J. Mater. Eng. Perform., 31, 9183; 2022.
12	D. Panda, R. K. Sabat, S. Suwas, and S. K. Sahoo, Philos. Mag., 102, 1091; 2022.
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14	J. Kar, K. Guguloth, Met. Mater. Int. , 28 (2), 503-513; 2022.
15	R. K. Rai, Mater. Chem. Phys., 291, 126780; 2022.
16	B. G. Gupta K, S. Patnaik, B. C. Ray, R. K. Rai, R. K. Prusty, J. Appl. Polym. Sci., 139, 41; 2022.
17	R. R. Kumar, R. K. Singh, C. R. Anoop, R. Das, S.V.S. N. Murty, K. T. Tharian, and A. Alex, J. Mater. Eng. Perform., 31, 10099-10107; 2022.
18	P. Bijalwan, K. K. Pandey, S. Sharma, P. Singh, A. Dan, A. Banerjee, A. N. Bhagat, A. K. Keshri, Surface and Interfaces, 30, 1-12; 2022.
19	R. Verma, S. Sharma, B. Mukherjee, P. Singh, A. Islam, A. K. Keshri, J. Eur. Ceram. Soc., 42, 2892-2904; 2022.

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S. N.	Journal Publications (2021)
01	S. Singh, S. Sharma, A. K. Keshri, T. Indian Inst. Met., 74, 2901-2907; 2021.
02	C. R. Anoop, R. K. Singh, R. R. Kumar, A. Prabhu, M. Jayalakshmi, S. V. S. Narayana Murty, and K. T. Tharian, MPC, 10, 16-88; 2021.
03	C. Kumar, P. S.M. Jena, R. K. Singh, G. A. Harmain, J. K. Sahu, Int. J. Press. Vessel. Pip.,194, 1-10; 2021.
04	R. K. Rai, J. K. Sahu, N. Paulose, D. C. Fernando, Mater. Sci. Eng. A, 21, 807; 2021.
05	R. K. Rai and C. Srivastava, MAA,10, 86-95; 2021.
06	V. T. Gaikwad, M.K. Mishra, V.D. Hiwarkar, R.K.P. Singh, JOM, 28, 111-119; 2021.
07	J. Kar, MAA, 10 (5), 652-660; 2021.
08	P. Shrivastava, S. N. Alam, D. Panda, S. K. Sahoo, T. Maity, and K. Biswas, Diam. Relat. Mater. 117, 108467; 2021.
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10	S. Bandi and A. K. Srivastav, CrystEngComm, 23, 1821; 2021.
11	S. Bandi and A. K. Srivastav, J. Mater. Sci., 56, 6615; 2021.
12	S. Bandi and A. K. Srivastav, Cryst. Growth Des., 21, 16; 2021.
13	U. S. Waware, R. Nazir, A. Prasad, A. M. S. Hamouda, A. K. Pradhan, M. Alshehri, R. Syed, A. Malik, M. S. Alqahtan, Surf. Coat. Technol., 409, 126888; 2021.
14	V. K. Pandey, S. K. Jatav, U. Pandel, R. K. Duchaniya, IJEMS, 28, 165-173; 2021.
15	R. Sen, U. Pandel, Powder Technol., 378, 510-520; 2021.
16	A. M. Patki and R. K. Goyal, Polymer-Plastics Technology and Engineering, 60, 70-83; 2021.
17	S. D. Bhosale, S. Gaikwad, R. D. Gadve and R. K. Goyal, Mater. Sci. Eng. B, 265, 115038, 2021.
18	M. Tiwari, R. D. Gadve and R. K. Goyal, Polym. Plast. Technol. Eng., 60, 1292-1307; 2021.
19	R. K. Goyal, P. Tamhane and S. Tambat, J. Mater. Sci.: Mater. Electron., 32, 28468-28479; 2021.

Reputed Peer-Review Journals

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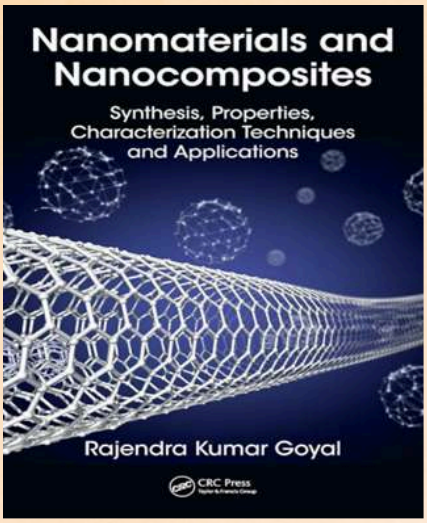
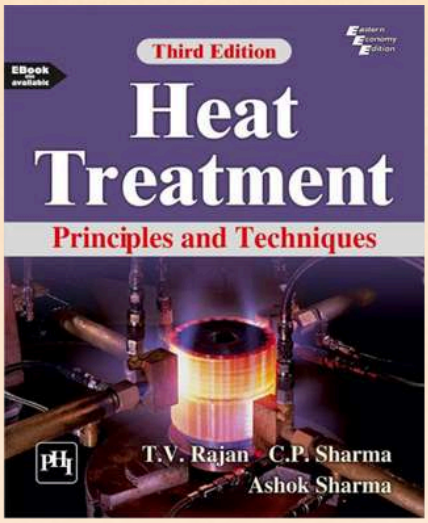
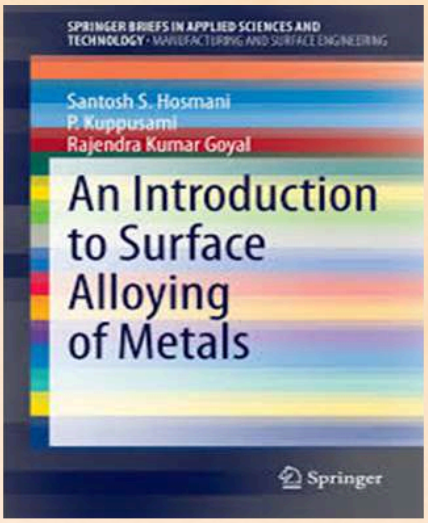
Patent Grants

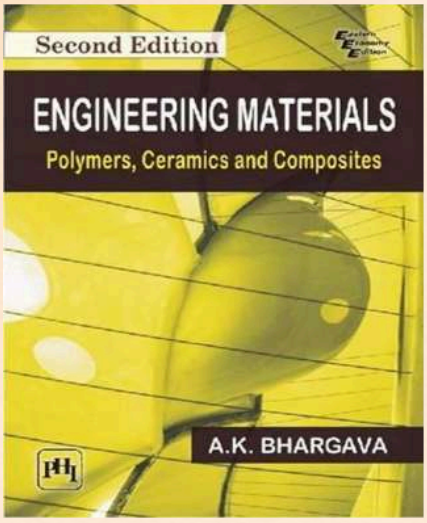
S. N.	Patent Granted
01	A method to improve corrosion resistance and reduce corrosion rate in mild steel, Dr. Kunal Borse, Ishwar Sharma, Prof. R. K. Goyal, AK Vinay Kumar, Biddika Lokesh, Hemant Gulupalli, Reg. No. 577379. Dt. 02-01-2026.
02	Corrosion protective coating composition comprising reclaimed waste foundry sand fines and method of preparation thereof, Dr. Kunal Borse, Ishwar Sharma, Prof. R. K. Goyal, T. V. S. Poojitha, Kavyansh Nag, Aayush Sharma, Bhavika Rakecha, Shashank Mandre, Reg. No. 572266. Dt.17-10-2025.
03	A method and an apparatus for simultaneously performing dip coating on multiple substrates, Dr. Kunal Borse, Ishwar Sharma, Gaurav Kumawat, Reg. No. 569859. Dt.19-08-2025.
04	G. George, V. Mundanatt, S. V. Madam, A reinforced elastomeric composite and a method of preparation thereof, Reg. No. 582073, Dt. 10-07-2024
05	Alloy mixing and casting machine, Dr. Vatsala Chaturvedi, Dr. Deepak Patel, Prof. Upender Pandel, Reg. No. 387094. Dt. 25-01-2024.
06	Modified white cast iron alloy composition for improved toughness and wear resistance in the as-cast condition, SK Das JK Sahu, PSM Jena, RK Rai, Reg. No. 500528, Dt. 17-01-2024
07	A Process for Synthesis of Nanocrystalline Cubic Hydrogen Tungsten Bronze Powder, Suresh Bandi and Ajeet Kumar Srivastav, Reg. No. 421722. Dt.15-02-2023.
08	Graphene from Waste Battery Electrodes, Ajeet Kumar Srivastav, Suresh Bandi and Dilip. R. Peshwe, Reg. No. 332793. Dt. 24-03-2020.

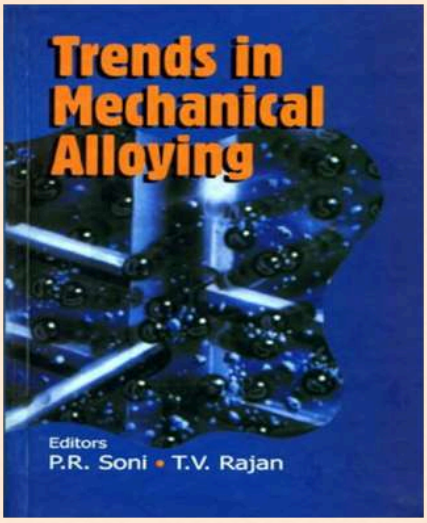
Book Publications

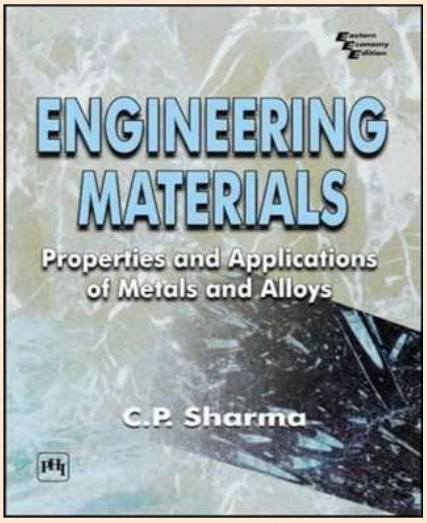


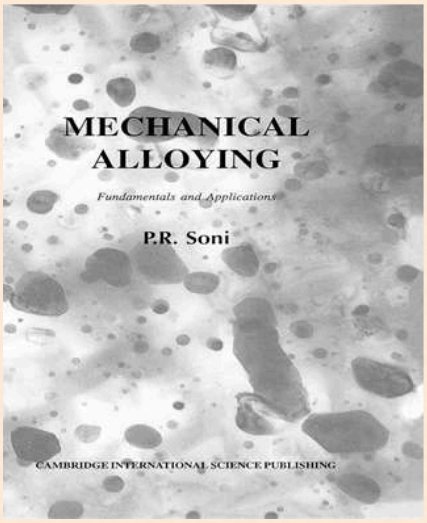


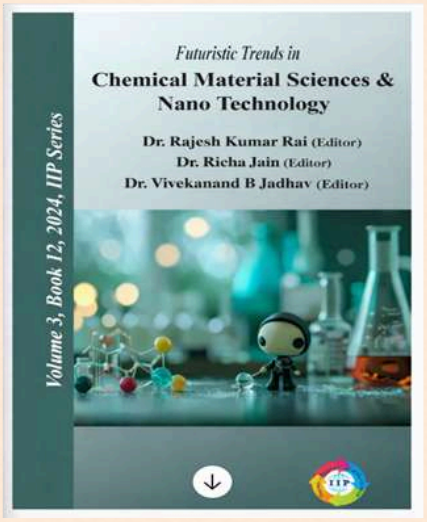


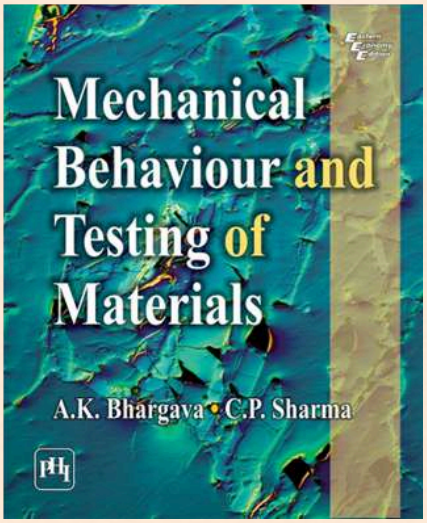












Expert Lectures

	Expert Lecture (2024-2025)
	Dr. Ammasi A (Principal Scientist, CSIR-NML, Jamshedpur) delivered an expert lecture on "Basics on Iron Making" on 11th-12th Feb 2026.
	Shri Ravi Kumar Varma (Sr. Scientist, SAC-ISRO, Ahmedabad) delivered an expert lecture on "Applications of Composite Materials in Space & Aerospace Sector" on 06th March 2026.
	Prof. M. K. Banerjee (Former Chair Professor, MNIT Jaipur) delivered an expert lecture on "Solidification Process" on 20th Feb 2026.
	Prof. Rajiv S. Mishra (University of North Texas, USA) delivered an expert lecture on "Alloy Design Strategies Across the AM Spectrum" on 24th Dec 2025.
	Dr. Gopi Kishor Mandal, (Chief Scientist, CSIR-NML Jamshedpur) delivered an expert lecture on "Scope of Computational Thermodynamics in Metallurgical Industries and Research" on 21st Nov 2025.
	Dr. Jiten Ghosh (Sr. Principal Scientist, CSIR-CGCRI, Kolkata) delivered an expert lecture on "Laboratory based Atomic Pair Distribution Function (APDF): Short range to long range crystal structure solution with high resolution X-ray diffraction" on 11th Nov 2025.
	Dr. Sandan Kumar Sharma (Assistant Professor, IIT Patna) delivered an expert lecture on "Understanding tribological behavior of materials for aircraft" on 12th Aug 2025.
	Dr. Snehashish Tripathi (Principal Scientist, CSIR-NML Jamshedpur) delivered an expert lecture on "Development of ultra-high strength Al-Mg-Sc alloy & Development of high temperature low sag Al-alloy conductor" on 08th Apr 2025.

Expert Lectures

	Expert Lecture (2024-2025)
	Dr. Avijit Metya (Principal Scientist, CSIR-NML Jamshedpur) delivered an expert lecture on “Ultrasonic NDE and mechanical properties evaluation” on 08th Apr 2025.
	Shri Ganesh Katakareddy (Sr. Engineering, KCP Ltd.) delivered an expert lecture on “Role of Metallurgists and Material Scientists in Aerospace & Heavy Engineering- Key Aspects of welding” on 07th Apr 2025.
	Shri K. Naveen Singh (General Manager, JSW Bellary,) delivered an expert lecture on “Advances in Steel Making Technology and the Journey Towards Green Steel: The Indian Scenario 2030” on 24th Mar 2025.
	Dr. Chenna Krishna S (Scientist/Engineer SF, VSSC-ISRO, Trivandrum) delivered an expert lecture on “Integrated Approach of Simulation and Experiments for Development of Inconel Alloy Hemispherical Forgings” on 17th Mar 2025.
	Shri T. M. Subramanian (Alumnus-1976 Batch) delivered an expert lecture on “Iron ore conversion to steel without coking coal, Capture of CO_2 from blast furnace operations, and conversion to climate-friendly products” on 9th Apr 2024.
	Dr. Santosh S Hosamani (Professor, IIT Indore) delivered an expert lecture on “Influence of Severe Surface Deformation on Microstructure and Properties of Austenitic Stainless Steel” on 24th Apr 2024.
	Dr Ravi KR (Professor, IIT Jodhpur) deleiveerd an expert lecture on "Challenges and Opportunities for Metallurgical Engineers” on 21st Mar 2024.
	Shri Khushi Ram Bairwa (Ex. AGM, HCL Khetri) delivered an expert lecture on “Copper Ore Beneficiation: Ore to Concentrate”on 14th March 2024.

Expert Lectures

Shri K. Naveen Singh (GM, JSW Bellary) with faculty

Dr. Avijit Metya and Dr. Snehashish Tripathi (Principal Scientists), NML Jamshedpur with faculty and students

Shri Ravi Kumar Varma (Sr. Scientist, SAC-ISRO) with faculty, students and IIM Members

Shri Ganesh Katakareddy (Sr. Engineer, KCP Ltd.) with faculty and students

Dr. AHV Pavan (Sr. Manager, BHEL, Hyderabad) with faculty and students

Prof. B. S. Murthy (Director, IIT Hyderabad), Prof. N. P. Padhy (Director, MNIT), and faculty

Conference Organized

An "International Conference on Advanced Materials for Sustainable Development (ICAMSD 2025)" on 28th and 29th March, 2025

Release of conference souvenir during the inaugural function. [Left to right: Prof. R. K. Goyal (Conference Chair), Dr. Komal Kapoor (Chief Guest), Prof. N. P. Padhy (Chairman (I/c) and Director of MNIT Jaipur), Brig. Arun Ganguli (Guest of Honor), and Prof. Bhuvanesh Gupta (President, APA)]

Lighting of the lamp during inaugural function. [Left to right: Prof. Bhuvanesh Gupta (President, APA), Dr. Komal Kapoor (Chief Guest), Prof. N. P. Padhy (Chairman (I/c) and Director of MNIT Jaipur), Brig. Arun Ganguli (Guest of Honor), and Prof. R. K. Goyal (Conference Chair)]

Prof. N. P. Padhy (Chairman (I/c) and Director of MNIT Jaipur), Prof. Bhuvanesh Gupta (President, APA), Dr. Komal Kapoor (Chief Guest), Brig. Arun Ganguli (Guest of Honor), Prof. R. K. Goyal (Conference Chair) and other delegates

Workshop/Short-Term Course Organized

Workshop "Advanced Materials Characterization held during 19th – 23rd March 2024.

Short-term Course "Metallurgy for Non-metallurgists" (18th – 23rd November, 2024).

Experts Dr. R. K. P. Singh (Bharat Forge, Pune), Prof. N. Prabhu (IIT Bombay), and Dr. Rajiv Kumar (IIT Ropar)] with Prof. R. K. Goyal (HoD), faculty and research scholars

Faculty and research scholars with experts Prof. Rajiv S. Mishra (University of North Texas, USA) and Prof. Harlal Singh Mali (MNIT Jaipur).

Workshop/Short-Term Course Organized

Workshop on 'Advanced Materials" held during 23rd-24th December, 2024

Curriculum development workshop for PG Program (Materials Engg) on 08th March 2024

UG students, PhD scholars and faculty with Shri Ravi Kumar Varma (Space Scientist, SAC-ISRO, Ahmedabad) after the expert lecture on 6th March 2026

Outreach Activities

Experts for NBA/NAAC Accreditation/ JEE Main/ AICTE

Evaluators of Research Projects (DST, CST-UP, AICTE)

Experts to Evaluate PhD/MTech Theses

Workshops/Conferences/Short Term Courses

Experts for Faculty/ Scientists Recruitment

Reviewer for NPTEL Lectures

Session Chair, Member of Advisory Committee

Speakers (Keynote/ Invited/Oral)

Reviewers of Peer-Reviewed Journals

Other Activities

MNIT Jaipur signed a MoU with NFC (Dept. of Atomic Energy, GoI) on 28th March 2025 to foster collaboration in research, academic exchange, and joint events.

Prof. Michael Bradley, Prof. Ajay K. Dalai, and Prof. Medam Venktesh (Univ. of Saskatchewan, Canada) had a discussion with faculty for joint research on 19th March 2025.

Inauguration of state-of-the-art X-Ray Diffractometer (XRD) with High Temperature Facility (up to 1200 °C) Lab held on 24th November 2024 (under DST-FIST Grant)

Other Activities

Visit of Prof. Nikhil Gupta (NYU) & his students funded by the NSF, USA.

Prof. Rajiv S. Mishra (Univ. of North Texas, USA) with faculty members

Review Meetings for IIM-ATM 2026

A review meeting of the IIM-ATM 2026 core committee held on 10th January 2026 was chaired by Dr Komal Kapoor (Chairman, NFC & Incoming President, IIM), Dr Dinesh Srivastava (Ex-Chairman, NFC), and Prof. R. K. Goyal (Head, DMME & Chairman, IIM Jaipur Chapter). Department is hosting the IIM-ATM 2026 in Jaipur after 50 years.

Left to right: Dr Swati Sharma (Treasurer, IIM-ATM 2026), Dr Vikas Kr Sangal, Shri Vijay Kaushik (Co-convener, IIM-ATM 2026), Shri Navin Dubey, Prof. R. K. Goyal (Convener, IIM-ATM 2026), Dr Komal Kapoor (Chairman, NFC & Incoming President, IIM), Dr Dinesh Srivastava (Ex-Chairman, NFC), Dr. Abhishek Tripathi, Dr. Sreekumar V. Madam, and Dr. Deepankar Panda. (Release of IIM-ATM 2026 Souvenir in a 2nd Review Meeting at MNIT Jaipur on 10th March 2026

Alumni Interaction with UG and PhD Students

Celebration of Silver Jubilee (1991-1995 Batch) at MNIT Jaipur on 25th Dec 2021

Distinguished Alumni

The sense of belonging developed during one's study continues as students graduate and move on with their careers. The department has an invaluable network of alumni in India and abroad. The alumni support is well evidenced when they come back to the campus to reminisce about their days and share their experiences. Our alumni hold key positions in the government, public, and private sectors.

Batch	Alumni Details
1970	Dr. A. K. Suri, Chairman NFC Board, BARC, Mumbai, India.
	Dr. K. L. Luthra, Chief Materials Scientist, GE Global Research, Niskayuna, N.Y., USA.
1971	Dr. Thomas Abrham, Founder President, Global Organization of People of Indian Origin, USA.
	Mr. Bhuvanesh Chandra Kabra, Retired General Manager, MECON Ltd.
	Dr. Brij Bhushan Gupta, Ex. Director, Malwa Institute of Science and Technology, Indore, India.
	Shri Govind Ram, Retired Associate Vice President, Hindustan Zinc Limited, Udaipur
	Shri Jagdish Kumar Vanjani, Vice President, Vikas Group of Companies, Kolkata, India.
	Shri Ram Mohan Haldia, Retired Asst. Director, MSME Test House, Jaipur, GOI.
	Shri Sumer Singhvi, Retired Vice President, Hindalco Industries, Renukoot UP, India.
	Shri Thomas Abraham, President, Innovative Research and Products, Inc. USA.
1973	Shri Prakash Singh Bagga, Director, Supreme Metallurgical Services Pvt. Ltd., Dewas. M.P., India
1974	Shri Prabhat Mathur, Proprietor, Metal Cast, Jaipur, Rajasthan, India
	Shri Pushkar Raj Chandna, CEO, Yashad Consultancy (P) Ltd., Delhi, India
1975	Shri R. K. Gajria, Director, Manisha Techno Consultants L.L.P., Mumbai, India.
1976	Shri Chandra Singh K Mehta, President, Haldyn Glass Ltd. Gujrat, India
	Shri Ramesh Malhotra, Chief Operating Officer, NetProphets Cyberworks Pvt. Ltd. Delhi, India.
	Shri Alok Goyal, Co-Founder & CEO, GlobalGranimarmo Ltd. sirohi, Rajasthan, India.
1978	Shri Mukesh Sharma, AGM, Steel Authority of India Limited, Jharkhand, India.
1979	Shri Raj Kumar Choubey, Director, RNT Medicare Private Limited, Kolkata, India.
1981	Shri K. Srinivasan, CEO, Soft Business Services. Bengaluru, Karnataka, India.
	Shri K.G.N. Mohan, Sr. Vice President, BMM Ispat Ltd. Hospet, Karnataka, India.
1982	Dr. Rajiv Sharan Mishra, Director, Advanced Materials and Manufacturing Processes Institute (AMMPI), University of North Texas, Denton, Texas, USA.
	Shri Syed Bukhari, Principal Consultant, Kofax, USA.
1984	Dr Asim Bag, Founder & Managing Director, Examat Pte. Ltd., Singapore.
1986	Dr. Bhagyadhar Bhoi, Chief Scientist-Head, Advanced Material Technology, CSIR - Institute of Minerals and Materials Technology, Bhubaneswar, Odisha, India

Distinguished Alumni

Batch	Alumni Details
1987	Dr. Shekhar Bhansali, Director, Florida International University, Florida, USA.
	Anuj Seth, VP, Materials Science R&D, Modern Meadow, New Jersey, USA.
	Shri Adarsh Gupta, General Manager, SAIL, Bokaro, Jharkhand, India.
	Shri Anshu Sahay, Vice President – II, RBL Bank, Pune, Maharashtra, India.
1988	Shri N Balaji, Head – Marketing, Mukand Sumi Special Steel Limited,
1989	Shri Subhash Bansal, DGM, Jindal Steel and Power Ltd., Raigarh, Chhattisgarh, India
	Dr. Ashok M. Raichur, Professor, Indian Institute of Science, Bangalore, India.
1990	Shri Rajesh Malhotra, Leader-Data and AI Platform, IBM, Gurugram, Haryana, India.
	Shri Rajesh Kumar Saini, Head-Technical Department (Quality & Process Control), Maharashtra Seamless Ltd (D.P. Jindal' Group), Maharashtra, India.
	Dr. Govind, Sr. Scientist, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala, India.
1991	Shri Ravi Gupta, Head - Corporate Learning & Skill Development, HZL, Udaipur, India.
1992	Shri Rajesh Bansal, Circle CEO, MP-CGCircle, Indus Towers Limited, Indore, M.P., India.
	Shri Shiva Venkataraman, Sr. Operations Director, Stanley Black & Decker, Inc., Michigan, USA.
1993	Shri Girikanth Avadhanula, Sr Director - Digital Supply Chain, SAP Pune, India.
	Shri Mukesh Nakra, Sales Head - Azure Economy, Infosys, Dallas-Fort Worth Metroplex, USA.
1994	Shri Kumar Ramasubramanian, Vice President-Product Management, POCN, New Jersey, USA.
	Shri Udit Banerjee, GM- Application Technology Sales, Linde South Asia Services, Kolkata, India.
	Shri Atul Gupta, General Manager, Hindalco Ind Ltd, U.P., India.
1995	Shri Prakash Balasubramanian, CEO, Sastha Scientific Agencies, Bangalore, India.
	Dr. Nikhil Gupta, Professor, New York University, New York, USA.
	Shri Vivek Saxena, Associate Vice President, Vedanta Ltd., Jharsuguda, Odisha, India.
	Shri Rajesh Dhandel, AGM (Vigilance), HCL, Khetri, Jhunjhunu, Rajasthan, India.
	Shri Hiranya Kumar Nayak, Environmental Engineer, State Pollution Control Board, Bhubaneshwar, Odisha, India.
1996	Shri Himanshu Sharma, General Manager, HCL Technologies, Noida, U.P., India.
	Shri Shoubhik Dasgupta, Chief Operating Officer, Pi EV Solutions (P) Ltd, Bengaluru, India.
1997	Shri Prashant Srivastava, Associate Partner, IBM, Georgia, USA.
	Shri Rohit Bhargava, Director, Business Reporting & Analytics, Boston University, Boston, USA.
	Dr. Chirag Shah, Principal Engineer, McDermott International Inc., Itasca, Illinois, USA.
1997	Shri Asish Agrawal, MD, Prabhu Ceramics and Minerals Pvt Ltd, Sambalpur, Odisha

Distinguished Alumni

Batch	Alumni Details
1999	Shri Biswajit Chowdhury, Associate Partner, IBM, Dallas-Fort Worth Metroplex, USA.
	Shri Ilan Pillai, Sales Director & Partner, RCG Global Services, New York, USA.
2000	Shri Sudipto Saha, Vice President, ACCESS Development Services, Kolkata, India.
2001	Shri Pankaj Faujdar, Managing Director & Segment Head, Hitachi Vantara, New York, USA.
2002	Dr. Kaliyan Hembram, Principal Scientist, International Advanced Research Centre for Powder Metallurgy and New Materials, Hyderabad, Telangana, India.
	Shri Dishant Mittal, Director Sales, Oerlikon, Gurgaon, Haryana, India.
	Shri Bhagwan Singh, AGM, NMDC R&D, Hyderabad, Telangana, India.
2004	Shri Gaurav Gupta, Founder and Chief Creative Officer, Gurugam, Haryana, India.
2005	Dr Arun Devaraj, Sr. Research Scientist, Materials Science, Pacific Northwest National Laboratory, Richland, Washington, USA.
2006	Dr. K. Jai Ganesh, Yield Analysis Engineer (PTD), Intel Corporation, Hillsbaro, Oregon, USA.
	Shri Nikhil Maheshwari, Head of Finance and Accounting, SRF Europe Ltd, Budapest, Hungary.
2008	Prachi Fatehpuria, Senior Program Manager, Google, California, USA.
	Shri Narendra Bijarnia, IPS, Haryana Cadre.
2010	Shri Bharat Gwalani, Assistant Professor, North Carolina State University, USA.
	Shri Nikhila Sharma, Managing Director, Centre for Mindfulness, United Kingdom.
	Shri Samay Singh Meena, ASP (IPS), Near Bangalore, Karnataka, India.
	Dr. Ankur Gupta (2010), Materials Scientist, Persimmon Technologies Corp., Wakefield, USA.
2011	Shri Anurag Satpathy, Head - South Asia International Development Hub, Mott MacDonald, Delhi, India.
2011	Shri Rajesh Raj, Vice President, Head of Enterprise Business, Kaar Tech, Texas, USA.

Visit of Eminent Personality

Dr. Komal Kapoor (Chairman and CE, NFC) on 27th November 2024

Prof. Naresh Thadhani (GIT, USA) on 23rd Dec 2024

Prof. B. Gupta (President, APA) on 27th March 2025

Dr. R.K.P. Singh (Director, Bharat Forge, Pune) & Prof. N. Prabhu (IIB)

Prof. Rajiv S. Mishra (Univ. of North Texas, USA) on 24th Dec 2025

Prof. Nikhil Gupta (New York University) on 19th July 2022

Dr. Deepak Goyal (Intel Corp., USA) on 28th Aug 2024

Students Activities

To celebrate National Metallurgist Day, the Department of Metallurgical and Materials Engineering, MNIT Jaipur organized a series of events on 14th and 15th November 2024. These events were organized focusing on a holistic development of the students. The events comprised of Technical events, such as quizzes, expert talks, career talks with seniors as well as sports and cultural events.

METMASS

(Student Society)

Heads of Department

Dr. D. Kumar
05/09/1967- 05/02/1980

Dr. T.V. Rajan
06/02/1980–05/02/1983
06/02/1989–05/02/1992
10/05/1998–09/05/2001

Dr. H. N. Dharwadkar
06/02/1983–05/02/1986
06/02/1992–05/02/1995

Dr. M.K. Bhargava
06/02/1986–05/02/1989
06/02/1995–09/05/1998
10/05/2001–28/02/2002

Dr. S.K. Jain
01/03/2002–25/06/2002
26/06/2002–28/02/2005

Dr. Ashok Sharma
01/03/2005–30/05/2008

Dr. R.K. Yadava
01/06/2008–
30/05/2010

Dr. P. R. Soni
01/06/2010–15/03/2012

Dr. U. Pandel
16/03/2012–31/06/2016
13/06/2022–11/06/2024

Dr. A.K. Bhargava
01/07/2016–17/01/2019

Dr. V. K. Sharma
18/01/2019 –20/02/2020

Dr. R.K. Goyal
21/02/2020 – 12/06/2022
12/06/2024 – till date

Happy Meta Family

Contact Us

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About the B.Tech. Program

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DUGC Convener

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