

About the MSME:

Now days with the emerging trends in technology, the demand for new, smart and traditional materials is increasing worldwide. These are engineers who manufacture and tailor the properties of the material for these purposes. They design, process materials and construct components / structures using materials. Also they select materials and analyze failure of materials. They are as well working to manufacture the huge quantity of materials specially metals on the shop floor of the production plant. Responsible engineers are also interested in improving the performance of the product being manufactured or designed. Our understanding of the relationship between structure and properties provides the basis for both, selection of existing materials and development of new materials, and production thereafter. Controlling microstructure has led to development many new metals, alloys and ceramics, while manipulation of molecular structure, has produced a vast spectrum of polymers.

Courses taught include

- Physical Metallurgy
- Mechanical Metallurgy
- Extractive Metallurgy
- Thermodynamics of Materials
- Manufacturing Processes
- Materials Characterizations

Laboratories:

- Metallography Laboratory
- Material Characterization Laboratory
- Ceramic Laboratory
- Corrosion Laboratory
- Furnace Laboratory
- Powder Metallurgy Laboratory



MATERIALS SCIENCE AND METALLURGICAL ENGINEERING

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY (SCHOOL OF ENGINEERING AND TECHNOLOGY)

CSJM UNIVERSITY, KANPUR



About the Department:

University Institute of Engineering and Technology, CSJM University Kanpur invites you to take admission in Materials Science and Metallurgical Engineering Department (MSME). Beside IIT, this branch of superb technology only has its existence in UIET, CSJM University Campus only. Or this is the second Institute in this region offering an under graduate course in Materials Science and Metallurgical Engineering other than IIT Kanpur. The Department was established in 2004 as Materials Science and Engineering and renamed in 2008 as Materials Science and Metallurgical Engineering. Department offers 4 years B.Tech. course to 30 students per year.

Materials Science and Metallurgical Engineering discipline gives opportunity to the students who are passed out from this field to serve for the industries, production units, manufacturing plants, research institutions, academic institutions, space research centers, nuclear power plants and government running CSIR Labs, etc. Our well educated students passed out from this institute are working in many of such areas. We are committed to provide high value education to our students studying in our department. We are one way ahead in providing the guidance, support and platform for getting better jobs to our final year students.

Career opportunities:

Jobs created for this branch is greater than students graduated per year under this branch. The companies which provide our MSME students good placements with added benefits and perks in the field of Metallurgy and Materials Science are MAGMA METALS, PHELPS Dodge Corp., NEWMONT Gold Co., AMAX GOLD, STILL WATER Mining, ASARCO, B.R.G STEEL PLANT, RIMJHIM ISPAT, JSPL, RDSO, BRG, JINDAL STEEL, BHUSAN STEEL, RAILAYS. Also in several Government organizations and academic institutes MSME students are well placed like RAILAYS, DRDO, CSIR, IITs, NITs. Many of our students are pursuing higher studies in several IITs, NITs and in reputed abroad institutes.

Alumni are placed in:



In the last 5 years our students have been placed in these reputed companies and organizations.

Recent Achievements (2020-2021):

- Dr. Prince Kumar Singh - Assistant Professor, IIT Ropar-2020
- Dr. Reeta Mauraya - Assistant Professor, NIT Hamirpur-2020
- Dr. Prvan Kumar - Assistant Professor, NIT Srinagar - 2021
- Er. Ankur Aghinotri - IIM SAIL GOLD AWARD (BEST FERROUS PAPER AWARD) - 2021
- Er. Rohit Jha - PMRF Program
- Dr. Raj Kumar Dishwar - Assistant Professor, IIT (ISM) Dhanbad
- Er. Shivangi Gupta - Mittal Nipon Steel
- Er. Pankhuri Mehrotra - TATA Steel

Faculty:

The department has well qualified and experienced faculty members:

- Dr. Anju Dixit, Ph.D UPR, USA
- Dr. Vijay Kumar Kashyap, Ph.D IITK
- Ms. Bhoomika Yadav, M.Tech. IIT BHU, Ph.D IITK (Ongoing)
- Er. Ankur Katiyar, M.Tech IIT BHU
- Dr. Alka Gupta, PhD IITK

For Queries:

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