



Prof. Shatrughan Soren



From HoD's Desk

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Dear Readers,

We are pleased to present the twelfth edition of our department's monthly newsletter, featuring highlights from alumni getting position of District Judge.

Our faculty members have continued to demonstrate research excellence through notable scientific advancements, reflected in high-quality peer-reviewed publications. Furthermore, they have actively collectively participated in writing book chapters in emerging areas. Looking ahead, we are proud to announce the upcoming national conference "CRISP - 2025", to be hosted by the Department of Fuel, Minerals & Metallurgical Engineering this October, organized as part of the centennial celebrations of IIT(ISM) Dhanbad.

Departmental Highlight



IIT
ISM



Corporate
Communicati
ons
IIT(ISM)

IIT(ISM) ACHIEVEMENTS



Ashutosh Kumar Mishra

(2005 batch, Mineral Engineering alumnus of IIT (ISM) Dhanbad)

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Ashutosh Kumar Mishra (B.Tech ,Mineral Engineering: 2005),secured 4th Rank in Jharkhand Superior Judicial Services Examination for the post of District Judge.



Learning & Sharing



Prof. Pankaj K. Jain

Presented Paper titled “Characterization and Preliminary Beneficiation Challenges of Graphite Ore from Bhutan: Insights into Flotation Feasibility” in NATIONAL CONFERENCE ON CRITICAL MINERALS -EXPLORATION AND EXPLOITATION, 7-8 Aug 2025, organized by Geological Survey of India, Central Region, Jabalpur, Madhya Pradesh.

First Circular



**NATIONAL CONFERENCE ON CRITICAL MINERALS -
EXPLORATION AND EXPLOITATION**

7th & 8th August, 2025

**Organized by
GEOLOGICAL SURVEY OF INDIA
CENTRAL REGION**

Jabalpur, Madhya Pradesh

The background of the circular is a large, detailed image of a multi-level open-pit mine, showing the terraced levels of the excavation and the surrounding landscape.

Paper published:
Haque, Z., & Jain, P. K. (2025), Optimising metal liberation from waste printed circuit boards through controlled thermal pre-treatment. The Canadian Journal of Metallurgy and Materials Science, Published online: 02 Sep 2025. <https://doi.org/10.1080/00084433.2025.2546732>

Book chapters contributed by faculties and alumni of FMME department

Book Title: Treatise on Process Metallurgy (Second Edition)
Volume 2B: Unit Process
Edited By: Seshadri Seetharaman, Alexander McLean, Roderick Guthrie, Sridhar Seetharaman, Hong Yong Sohn
Publisher: Elsevier

**Scientific
Breakthroughs**

Anand Anupam
Jai Prakash Patel
Pankaj Kumar Jain
Jai Prakash Patel, Anand Anupam, and Sumantra Bhattacharya
Pankaj Kumar Jain, N.R. Mandre, and Sumantra Bhattacharya
Pankaj Kumar Jain
Pankaj Kumar Jain
Shravan Kumar
Shravan Kumar
Gaurav Jha and Shatrughan Soren
Barun Kumar Nandi and Daisy Das
Sumantra Bhattacharya



Volume 2B: Unit Processes

Treatise on Process Metallurgy

Second Edition

Edited by
Seshadri Seetharaman
Alexander McLean
Roderick Guthrie
Sridhar Seetharaman
Hong Yong Sohn





National Conference
on



Critical Metals

(Recycling, Innovation, Separation & Processing)

CRISP-2025

13-15 OCTOBER 2025

Organized by

Department of
Fuel, Minerals & Metallurgical Engineering
IIT(ISM) Dhanbad

In collaboration with



Upcoming Event!!!
Register soon---



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