

ABOUT DIA-CoE

DRDO Industry Academia Centres of Excellence (DIA-CoEs) have been established at premier academic institutions and universities across India to foster a Directed Research Ecosystem through collaboration between DRDO labs, academia and industries (including start-ups). These centres are driving research in cutting-edge futuristic technologies required for DRDO/armed forces.

The DIA-CoE at IIT Kharagpur has been operational since January 2024 and it is involved in facilitating DRDO-funded R&D projects to academia and non-academic research organization with/without the participation of industries under six research verticals.

ABOUT THE CONFERENCE

The global shift toward clean energy, digitalization, and advanced manufacturing is rapidly increasing the demand for critical metals such as lithium, cobalt, nickel, and rare earth elements, essential for EVs, renewable energy, and high-tech industries. These metals have very high economic importance and are often concentrated in few geographical locations, making their supply vulnerable to geopolitical issues, trade policies, and mining limitations.

India, through its National Critical Minerals Mission, is strengthening resource security via exploration, global partnerships, and sustainable supply chains. In this context, it is important to develop indigenous technologies for extraction and recycling of critical metals for reducing external dependence for these metals.

NACCRIM-2026 is being organized under the research verticals, "Advanced Extractive Metallurgy and Metal Recycling Technologies (AEMMRT)" of DIA-CoE IIT Kharagpur. This vertical focuses on the development of indigenous technologies for extraction and recycling of Critical Metals. NACCRIM-2026 will serve as a collaborative platform to discuss advancements and innovations in the field of extraction and recycling of critical metals with a strong focus on emerging technologies aligned with national priorities and global sustainability goals.

Themes:

- Exploration, beneficiation, and characterization of critical minerals.
- Extraction of critical metals from primary & secondary sources.
- Recycling and urban mining for critical metals recovery.
- Advanced separation, purification, and value addition technologies for critical metals.
- AI, automation, environmental impact, lifecycle analysis, and policy frameworks.



National Conference on Critical Metals: Advancements in Extraction & Recycling Technologies

NACCRIM - 2026

25-26 SEPTEMBER 2026

Venue: Kalidas Auditorium, IIT Kharagpur



Organized by,

DRDO Industry Academia - Centre of Excellence
(DIA-CoE, IIT Kharagpur)

<https://diacoekgp.iitkgp.ac.in/>

Program Schedule

Day 1: Friday, 25th September 2026

09:00 - 10:20 AM

Inaugural Session

10:20 - 10:45 AM

Tea Break

Session 1

10:45 - 11:20 AM

Keynote Address 1

11:20 - 11:45 AM

Invited Lecture 1

11:45 AM - 12:10 PM

Invited Lecture 2

12:10 - 12:35 PM

Invited Lecture 3

12:35 - 01:00 PM

Invited Lecture 4

01:00 - 01:15 PM

Contributed Lecture 1

01:15 - 02:15 PM

Lunch Break

Session 2

02:15 - 02:50 PM

Keynote Address 2

02:50 - 03:15 PM

Invited Lecture 5

03:15 - 03:40 PM

Invited Lecture 6

03:40 - 04:05 PM

Invited Lecture 7

04:05 - 04:30 PM

Invited Lecture 8

04:30 - 04:45

Tea Break

04:45 - 05:45

Panel Discussion

Day 2: Saturday, 26th September 2026

Session 3

09:30 - 09:55 AM

Invited Lecture 9

09:55 - 10:20 AM

Invited Lecture 10

10:20 - 10:45 AM

Invited Lecture 11

10:45 - 11:00 AM

Tea Break

11:00 - 11:25 AM

Invited Lecture 12

11:25 - 11:50 AM

Invited Lecture 13

11:50 AM - 12:15 PM

Invited Lecture 14

12:15 - 12:40 PM

Invited Lecture 15

12:40 - 01:00 PM

Closure & Vote of Thanks

1:00 PM onwards

Lunch

Abstract Submission

Abstracts are invited from academicians, researchers, and students wishing to attend the conference and sharing their research contributions.

- Language: English.
 - Length: Maximum of 300 words
 - Abstract should contain the names and affiliations of all the authors. It should clearly provide the purpose, methods, results, and conclusions of the research work.
 - There will be no registration charges for participation in the conference. Paid accommodation for contributed speakers (including students) may be arranged based on availability.
 - Abstract Submission Deadline: 15 July 2026
 - Abstract Submission Link : <https://forms.gle/yaAanNfgCPHWMsSG6>
- Submission QR code:



- Conference Registration (Non-Designated Participants):

<https://forms.gle/LcKH3GP6MjVSAw7Z7>

