



# Indo-German Innovation Workshop on E-Mobility and Translational

## Technologies: Shaping a Collaborative Research and Industry Ecosystem-

23<sup>rd</sup> and 24<sup>th</sup> February, 2026



### About IIT Kharagpur

#### History

First in the chain of IITs to be set up by the Government of India, Indian Institute of Technology, Kharagpur started in 1951 in the erstwhile Hijli Detention Camp. It has now blossomed into one of the finest technical institutions in the world. Spread over a sprawling campus of 2100 acres, it is largest and most diverse technical institution in the country offering programmes in Bachelors, Masters and Ph.D. levels in all disciplines of engineering, basic sciences, medical and life sciences, management, law and humanities.

#### Location

Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by train from Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, auto rickshaw or cycle-rickshaw can be hired to reach the Institute.

#### Weather

Winter (October to February) is moderate and pleasant (10 to 25 C) in Kharagpur. Summer (March to June) is hot (25 to 40 C) and sometimes humid. Rains are normally confined to the months of June to September.

#### Contact

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### Overview

IIT Kharagpur is planning to establish an **Indo-German Centre** at the IIT Research Park, Kolkata, envisioned as a strategic platform for international collaboration in research, innovation, and technology translation. The Centre will primarily focus on **e-mobility**, addressing critical challenges in electrified transportation, energy storage, and sustainable mobility systems. In addition, it will pursue select high-impact verticals including **healthcare technologies, cybersecurity, and sustainability**, enabling interdisciplinary research and industry-relevant innovation.

The **University of Bayreuth, Germany**, has been invited as a key academic partner, with a specific mandate to collaborate on **battery materials, systems, and technologies for e-mobility**. Through this partnership, Bavarian industrial collaborators are expected to engage with the Centre to initiate joint research and development programs, co-create prototypes, and support pilot-scale validation. These activities will be aligned to strengthen the **Indian startup ecosystem and relevant industrial sectors**, facilitating technology maturation and commercialization.

To define the vision, structure, and operational roadmap of the Centre, a **two-day brainstorming workshop scheduled for 23-24 February 2026** is being organized. The workshop will convene stakeholders from **Indian industry, academia, and national research institutions**, alongside Indo-German academic partners. Participants will include representatives from **CSIR-CGCRI, TCG CREST, Himadri Chemicals, Tata Steel**, and Indian faculty members working in allied research areas.

The workshop will provide a structured forum to deliberate on critical issues related to the **sustainability, governance, and impact** of the proposed Centre. Key discussion themes will include long-term funding strategies, collaborative research modalities, student and intern exchange programs, shared infrastructure and prototype development, and effective **lab-to-market pathways**. The outcomes of the workshop are expected to guide the establishment of a robust, industry-integrated Indo-German Centre that accelerates innovation, fosters bilateral cooperation, and delivers measurable socio-economic impact.

### Objectives of the Workshop

- Define the vision, scope, and governance framework of the Indo-German Centre
- Identify priority research and technology themes in e-mobility and allied verticals
- Explore sustainable funding models involving academia, industry, and public agencies
- Develop Indo-German collaborative research and IP frameworks
- Design mechanisms for student, intern, and researcher exchange
- Establish pathways for prototype development, validation, and scale-up
- Formulate lab-to-market and startup engagement strategies
- Strengthen industry-academia-research institution partnerships in India and Germany

### Workshop Schedule and Methods

Dates: February 23 – 24, 2026  
Duration: 12 hours

### Eligibility

- Engineers, managers/executives and researchers from design and manufacturing companies /startups working on e mobility and other focused areas.
- Researchers from R&D laboratories working on e mobility
- Graduate students and senior undergraduate students from reputed academic and technical institutions at all levels seeking careers in the stated verticals
- Faculty from reputed academic and technical institutions

The course does not have any pre-requisites and is designed to cater to an audience with diverse backgrounds. Some introductory level understanding of Basic Electrochemistry, Materials synthesis and characterization will be helpful.

### Important Dates

Last date for receiving application: 18<sup>th</sup> February, 2026