

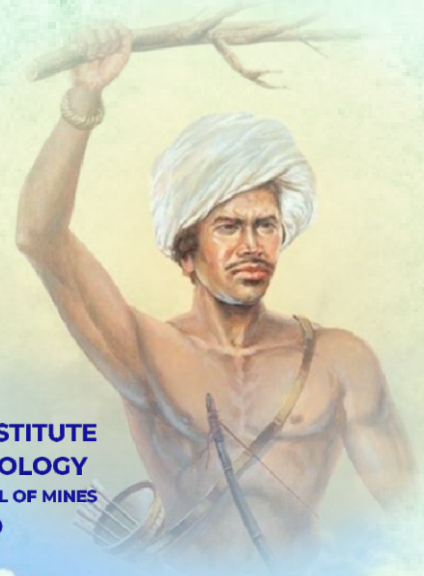
**Centre of Excellence, Ministry of Tribal Affairs  
Government of India  
at  
IIT(ISM), Dhanbad**

*Legacy that Inspires the Future*

भारतीय प्रौद्योगिकी संस्थान  
भारतीय खनि विद्यापीठ  
धनबाद



**IIT** INDIAN INSTITUTE  
OF TECHNOLOGY  
**ISM** INDIAN SCHOOL OF MINES  
DHANBAD







## Legacy of the Institute

The Indian National Congress at its XVII Session of December 1901 passed a resolution stating that “in view of the fact that the tendency of recent legislation namely, The Indian Mines Act VII of 1901, is that all Indian mines must be kept under the supervision of mining experts, the Congress is of opinion that a Government College of Mining Engineering be established in some suitable place in India on the models of the Royal School of Mines in England, Mining Colleges of Japan and at other places in the continent”. The McPherson Committee formed by Govt. of India, recommended the establishment of an institution for imparting education in the fields of Mining and Geology, whose report, submitted in 1920, formed the main basis for establishment of the Indian School of Mines, Dhanbad.

The Indian School of Mines was formally opened on 9th December 1926, by Lord Irwin, the then Viceroy of India to address the need for trained manpower related to mining activities in the country with disciplines of Mining and Applied Geology. In 1967 it was granted the status of a deemed to be university under Section 3 of UGC Act, 1956. Since its establishment, IIT(ISM) has undergone considerable expansion of its activities, and presently it can be considered as a total technology education institute.

## Vision and Mission

To be a nationally and internationally acclaimed premier institution of higher technical and scientific education with social commitment having an ethos for intellectual excellence, where initiative is nurtured, where new ideas, research and scholarship flourish, where intellectual honesty is the norm and from which will emerge the leaders and innovators of tomorrow in the realm of technology.

## History and Discovery


Situated in the heart of the country's prime coking coal belt, 260 kms from Kolkata with a campus spread over an area of 393 acres, (with 218 acres of existing campus and 175 acres under acquisition and development) the fully residential IIT(ISM) has all the facilities of world class academic institute. What started as an institution to impart mining education has graduated into a full-fledged technical institution of international acclaim offering a host of programmes like B. Tech., M. Tech., M. Sc. Tech., MBA, Executive MBA, Executive M.Tech and Ph.D. programmes.

At present, IIT (ISM) Dhanbad has 17 departments and several centres, which are equipped with all necessary infrastructure and world-class faculties to undertake all kinds of fundamental and applied research problems. IIT(ISM) Dhanbad has been placed 41st in the QS Global University Rankings in Engineering - Mineral & Mining.

## Activities of IIT(ISM), Dhanbad related to Societal Development for Tribals and other communities in rural areas of Jharkhand

- A team of faculty members of Department of Management Studies and Industrial Engineering of IIT (ISM) Dhanbad led by Dr Rashmi Singh, Assistant Professor and Dr Niladri Das, Associate Professor has embarked on a mission to transform the lives of scheduled tribe people of remote Jamtara district through tailor made interventions to help them evolve as farm based entrepreneurs funded by DST, GOI.
- A team of IIT (ISM) Dhanbad faculty members under the leadership of Dr Rashmi Singh, Assistant Professor, Department of Management Studies and Industrial Engineering are conducting series of workshop funded by DST, GOI for creating awareness and teaching tribal students of remote areas about the relevance of science and technology in real life situations.



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- IIT (ISM) became the first institute in the country which has launched skill development training under Pradhan Mantri Kaushal Vikash Yojna (PMKVY 4.0) The institute conducted a three month-long skill development program on the Assistant Mine Surveyor course for enhancing the employability of youths launched at IIT (ISM) Dhanbad.
  - Centre of Societal Mission (CSM) has adopted five villages nearby IIT (ISM) campus and provides sustainable and inclusive growth by providing opportunities for improvement of quality of life.
  - Social Impact Assessment Projects related to assessment of Corporate Social Responsibility Initiatives for Local Community Development and Environmental Impact Assessment for various companies in Mining, Mineral, Steel, Thermal Power, Oil and Gas and other related industries.

## **The following centers and facilities are available in the institute:**

Central Research Facility  
Fabrication and 3D Printing Facility  
High Performance Computing Facility (HPC)  
Centre for Hydrogen and CCUS Technology  
Centre for Water Resources Management  
Centre of Excellence and Renewable Energy  
Centre for Earth, Energy and Environmental Research  
Environmental Information System Centre  
Centre for Sea Bed Mining  
Centre of Excellence, Ministry of Tribal Affairs, GoI

## **Innovation Infrastructure:**


Tata Steel Innovation Centre on Mining and Mineral Research  
Atal Community Innovation Centre (ACIC)  
TEXMin (Technology Innovation Hub)  
CIL Innovation and Incubation Centre

## **Centre of Excellence at IIT (ISM) Dhanbad, funded by Ministry of Tribal Affairs, GoI**

This Centre of Excellence is created through funding by Ministry of Tribal Affairs, GoI to facilitate empowerment of tribal communities in Jharkhand. This centre will design suitable capacity building and skill development programmes for tribals of Jharkhand to boost employment, income, livelihood, and economic well-being. The centre will create an academia-industry-government interface which will promote tribal welfare in Jharkhand. This is in line with the vision of our Honorable Prime Minister, Shri Narendra Modi Ji for inclusion of tribal communities in the societal mainstream of the country. Also, with his vision for social inclusion of tribals, 15th November was declared as Jan Jatiya Gaurav Divas on the occasion of birth anniversary of Bhagwan Birsa Munda.

### **Mission/Vision**

To promote empowerment of scheduled tribes in Jharkhand through tailor made scientific interventions for sustainable economic wellbeing.







## Objective

- To empower tribals of Jharkhand through customized & tailor made capacity building & skill development programs.
- To provide an interface for academia, industry, and government for collaborating in the area of tribal development in Jharkhand.
- To provide sustainable means of livelihood to the tribals of Jharkhand through appropriate scientific interventions.

## Activities of the Centre

- ✓ Capacity Building and Skill Development Programmes for creating better livelihood opportunities for tribals in Jharkhand.
- ✓ Up skilling of traditional skills for tribals in Jharkhand for better employment opportunities.
- ✓ Creating sustainable entrepreneurial ecosystem for promoting entrepreneurship activities for tribals in Jharkhand.
- ✓ Providing training in various emerging domains as per requirement of the industry.
- ✓ Exposure of tribal students in Jharkhand to various best practices of the industry through expert talk, industry visits, seminars, etc.
- ✓ Hands on experience for the tribal students of Jharkhand to the latest technologies and software's through various centres of excellence and innovation hub of the institute.
- ✓ Workshops, Nukkad Natak, Science Exhibitions, Simulation exercises, Puppet shows, etc. for tribal students in Jharkhand.
- ✓ MOUs with industry partners for participation in various activities of the centre and facilitation of placement for trained tribal students in the industry.
- ✓ Channelizing the CSR funds of the industry for all round holistic development of tribal communities in Jharkhand through Centre of Excellence at IIT (ISM), Dhanbad.

## Collaborating with Industry Partners

- Funding the activities of the centre for customized and tailor made capacity building and skill development programmes of tribal communities as per requirement of the industry.
- MOUs with industry for facilitating employment opportunities, industry exposure, etc. for tribal communities.
- Funding the Specific Training and Up Skilling Programmes for Project affected Persons (PAPs) in various areas where the industry is located through the centres of excellence.
- Guest Faculty and Expert Talk for the various programmes conducted by centre of excellence.
- Funding various activities for tribal students in various government schools to facilitate scientific temperaments and exposure to state of the art technology.
- Promoting innovation and entrepreneurial activities to create entrepreneurial ecosystem for tribal communities through centre of excellence.

**For more information contact:**

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