



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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PRESS-RELEASE

IIT (ISM) Dhanbad to Host Two-Day International Workshop on Air Quality Monitoring and Data Analysis (AQMDA-2026) from February 14

The **Department of Environmental Science and Engineering** at **Indian Institute of Technology (Indian School of Mines) Dhanbad** will organize a two-day International Workshop on *Air Quality Monitoring and Data Analysis (AQMDA-2026)* beginning February 14, 2026.

The workshop aims to provide a premier global platform for scientists, academicians, policymakers, industry leaders, and research scholars to deliberate on advanced technologies and data-driven strategies for combating air pollution. With rapid urbanization and industrial expansion intensifying environmental concerns, AQMDA-2026 will focus on innovative monitoring systems, real-time data analytics, IoT-enabled sensors, AI-driven pollution modelling, regulatory frameworks, and applied case studies across surface and subsurface environments.

International experts including **Y. P. Chugh** and **K. V. Kollipara** from Southern Illinois University, USA; **K. V. Raj** from NIOSH, Atlanta; and **Qin Kai** from China University of Mining and Technology, China, will share their insights on air quality monitoring and policy frameworks.

The inaugural session will be graced by Shri Neelesh Kumar Sah, Joint Secretary, **Ministry of Environment, Forest and Climate Change**, and presided over by Prof Dheeraj Kumar, Deputy Director of IIT (ISM) Dhanbad.

Eminent representatives from industries such as **Coal India Limited**, **Bharat Coking Coal Limited**, **Central Mine Planning and Design Institute**, and **Tata Steel**, along with faculty from leading IITs and NITs, will participate. Students from premier institutions across the country will also present posters aligned with the workshop themes. Key technical sessions will cover fundamentals of air quality measurement, monitoring of PM_{2.5}, PM₁₀, NO_x, SO₂ and CO, IoT and AI integration, predictive modelling, national and international regulations, and live instrument demonstrations with hands-on training.

Established in 1926, IIT (ISM) Dhanbad continues to be a leader in mining, environmental engineering, and sustainable research. AQMDA-2026 is expected to foster interdisciplinary collaboration and strengthen global partnerships towards achieving cleaner air and a sustainable future.

For Registration Queries:

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