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PRESS-RELEASE

IIT (ISM) Dhanbad Signs MoU with Minimac Systems Pvt. Ltd. to Establish Minimac's Centre of Excellence in Fluid Testing and Analytics

IIT (ISM) Dhanbad, one of India's premier institutions with a rich 98-year legacy of pioneering research and technological leadership in earth sciences, engineering, and interdisciplinary innovation, has entered into a strategic collaboration with Minimac Systems Pvt. Ltd., Pune. Minimac Systems, a national leader in lubrication reliability solutions and predictive maintenance technologies, will fully fund the establishment of Minimac's Centre of Excellence in Fluid Testing and Analytics within the IIT (ISM) campus. This state-of-the-art centre will be the first such facility in Eastern India, reinforcing the institute's long-standing commitment to bridging industrial needs with advanced scientific research.

The newly announced centre aims to emerge as a hub of high-impact applied research, industrial skilling, and technological advancement in fluid engineering, oil analytics, and intelligent maintenance systems. With IIT (ISM)'s decades-long legacy of academic excellence and industry-linked research, the collaboration brings together institutional strength and modern industrial expertise to drive innovation in domains that are increasingly critical for India's manufacturing, mining, and energy sectors. The Centre will facilitate advanced product validation, prototype development, and analytical studies in hydraulic and lubrication systems, while also enabling joint research projects supported by real-time industrial field data from Minimac Systems.

The association will further open new avenues for talent development, providing IIT (ISM) students and researchers with opportunities to engage in live R&D projects, internships, and industry immersion programs. Structured initiatives such as a Campus Ambassador programme will create extended platforms for skill-building, innovation exposure, and enhanced career pathways. Both institutions will also collaborate in unlocking central and state-level research grants and schemes—such as those offered by DST, MeitY, MSME Design Clinic, and Start-up India—to strengthen the Centre's infrastructure and long-term operational capability.

The MoU was signed in the august presence of Prof. Sukumar Mishra, Director, IIT (ISM) Dhanbad; Prof. Parthasarathi Das, Dean (R&D); Prof. Ajit Kumar, Centre Coordinator; and Prof. Niranjan Kumar, Centre Co-coordinator. Representing Minimac Systems Pvt. Ltd. were Shri Anshuman Agrawal, Managing Director, and Shri Harshit Agrawal, Head, Digital Transformation and Engineering. The dignitaries expressed confidence that the partnership will set new benchmarks for industry-academia synergy in emerging areas of fluid testing, diagnostics, and smart maintenance technologies.

Speaking on the occasion, Director Prof. Sukumar Mishra noted that the collaboration aligns perfectly with IIT (ISM)'s mission to expand its innovation ecosystem. "This MoU strengthens our institutional vision of fostering research that directly contributes to national technological growth. The Centre of Excellence will not only advance scientific understanding in fluid engineering but will also create opportunities for students and industry to jointly innovate in areas of immediate relevance," he remarked. Shri Anshuman Agrawal echoed this sentiment, stating that Minimac Systems sees IIT (ISM) as a natural partner for cutting-edge applied research due to its strong scientific foundations and industry-oriented academic culture.

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