



# भारतीयप्रौद्योगिकीसंस्थान (भारतीयखनिविद्यापीठ), धनबाद Indian Institute of Technology (Indian School of Mines), Dhanbad

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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad Partners with Zenith Unmanned Systems Pvt. Ltd. to Drive Indigenous Innovation in Defence Technology**

In a significant step toward strengthening India's indigenous defense capabilities, the **CIIE IIT (ISM) Dhanbad Foundation** has announced a strategic collaboration with **Zenith Unmanned Systems Pvt. Ltd.**, a pioneering startup developing advanced unmanned aerial platforms.

The partnership aims to accelerate research, development, and deployment of **AI-powered, stealth-oriented kamikaze drone systems** tailored for tactical defence applications. The innovation—designed with a **fixed-wing stealth configuration**—minimizes radar detection while enhancing operational agility and precision. Integrated with **Artificial Intelligence (AI)** and **Machine Learning (ML)**, the platform is capable of **autonomous mission planning, swarm coordination, and high-accuracy target engagement** in diverse terrains.

Developed under the “**Make in India**” initiative, the system is engineered to be **lightweight, cost-effective, and modular**, ensuring ease of assembly, rapid deployment, and reduced dependence on foreign components—key to advancing India's defense self-reliance.

Speaking on the collaboration, **Prof. Alok Kumar Das, Dean, Industry & Innovation Entrepreneurship (IIE), IIT (ISM) Dhanbad**, said, “This partnership reflects our strong commitment to translating academic and technological innovation into national impact. Through CIIE IIT (ISM) Dhanbad Foundation, we are empowering startups like Zenith Unmanned Systems to push the frontiers of indigenous defense technology and contribute meaningfully to India's strategic autonomy.”

The **CIIE IIT (ISM) Dhanbad Foundation** continues to serve as a catalyst for deep-tech entrepreneurship by nurturing ventures focused on sustainability, national security, and industrial innovation. This collaboration marks another milestone in its journey to foster academia–industry synergy and strengthen India's technological prowess.

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