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## **PRESS-RELEASE**

### **IIT (ISM) Dhanbad to Host Short Term Training Program on Six Sigma Green Belts**

The Department of Mathematics & Computing at IIT (ISM) Dhanbad is set to organize a five-day Short Term Training Program on Six Sigma Green Belts from June 23 to June 27, 2025, at the Executive Development Centre of the institute. Aimed at senior executives, middle management professionals, engineers, entrepreneurs, and transactional process leaders across industries, the program is also highly relevant for administrators in government bodies associated with mining operations, regulatory frameworks, and process governance, as well as scientists and research scholars.

Originating at Motorola in the 1980s, Six Sigma is a powerful, data-driven methodology designed to improve business processes through statistical analysis. It follows a structured approach known as DMAIC—Define, Measure, Analyze, Improve, and Control—to enhance process performance and reduce variability. The goal of Six Sigma is to achieve near perfection in quality by reducing defects to fewer than 3 to 4 per million opportunities. The methodology not only helps in eliminating errors but also leads to increased productivity, higher customer satisfaction, cost efficiency, and improved employee engagement. Six Sigma certification is awarded across various proficiency levels, including Yellow Belt, Green Belt, Black Belt, and Master Black Belt.

The training program will offer more than conventional classroom lectures. It will integrate activity-based learning, problem-solving sessions, case studies, and interactive discussions. Emphasis will be placed on the real-world application of Six Sigma tools across industries. Participants who meet the requirements—including securing at least 60% marks in the final assessment and submitting a project summary—will be awarded a Six Sigma Green Belt certificate. Those who complete the sessions and online evaluations will also receive a training completion certificate.

The course content has been designed to deliver both a conceptual understanding and practical exposure to the Six Sigma framework. It will also touch upon personal effectiveness skills that are vital for organizational success. By the end of the program, participants will have a solid grasp of Six Sigma fundamentals, hands-on experience with industry-relevant tools, and exposure to relevant case studies validating the Green Belt application.

The training program is being coordinated by Prof. Subhashis Chatterjee and Prof. S. Kundu from the Department of Mathematics & Computing, IIT (ISM) Dhanbad. Interested participants may reach out to the coordinators for further details and enrollment information.

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