भारतीय प्रौद्योगिकी संस्थान भुवनेश्

Indian Institute of Technology Bhubaneswar

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Press Release

IIT Bhubaneswar Launches Blended Mode M.Tech Program in Systems Engineering for Industry Professionals

Bhubaneswar, India, 21st July, 2025: Indian Institute of Technology (IIT) Bhubaneswar has announced the launch of its innovative blended mode M.Tech program in Systems Engineering, designed specifically for working professionals in the industry. This one-of-its-kind initiative aims to bridge the gap between academia and industry, enabling engineers with a minimum of three years of experience in plants or industrial settings to enhance their expertise in modern systems engineering.

This M.Tech program will help build the knowledge needed for understanding the behavior of engineering systems through its courses on modelling of system behavior, testing systems performance, design of systems and the tools and techniques for predicting system behavior such as reliability engineering, statistical machine learning. The technical management aspects of systems engineering will also be covered through a course on requirements management to prepare the engineers for a range of roles associated with systems engineering. The curriculum for the Systems Engineering M. Tech Program was developed in collaboration with Applied Materials India Private Limited, a subsidiary of Applied Materials, Inc., the global leader in materials engineering solutions for the semiconductor industry.

Speaking on the launch of the program, Prof. Shreepad Karmalkar, Director, IIT Bhubaneswar, emphasized, “Such programs foster deeper collaboration between academia and industry. Beyond professional development, they open avenues for joint R&D, leading to innovations that can significantly benefit society and contribute to the vision of an Atmanirbhar Bharat.”

Adding to this, Prof. Chandrashekhar Bhende, Dean (Post-Graduate & Research Programs), IIT Bhubaneswar, mentioned that this multidisciplinary curriculum demonstrates our dedication to providing flexible learning that meets the evolving needs of industry. The program is designed to empower learners with the skills necessary to drive innovation and lead complex engineering projects in their organizations.

Speaking about the programme, Mr. Sujit Jha, Senior Director, Imaging and Process Control Group at Applied Materials India, who has been instrumental in envisioning the programme, outlined the importance of Systems Engineering in developing advanced, multi-domain technologies. He also emphasized Applied Materials' support for academic enrichment programs that prepare students for careers in the semiconductor and allied industries. Mr. Jha expressed his enthusiasm about the programme's launch and success.

Dr. Srikant Gollapudi, Associate Professor, School of Minerals, Metallurgical and Materials Engineering and the Coordinator of program was also present on the occasion and provided an overview of the program. The program is set to commence soon, with participation from eligible industry professionals eager to advance their systems engineering competencies through this flexible learning model.
