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PRESS-RELEASE

IIT (ISM) Hosts Three-Day National Conference on Data Predictive Analytics and Numerical Simulation

The Department of Mathematics and Computing at IIT (ISM) Dhanbad inaugurated a three-day National Conference on Data Predictive Analytics and Numerical Simulation today at the Golden Jubilee Lecture Theatre. The conference, scheduled from April 23 to 25, is set to be a dynamic platform for researchers, academicians, and industry experts to engage in thought-provoking discussions across a broad range of themes.

The conference will feature sessions on data-driven computation; AI/ML applications in real-life systems; numerical computation; IoT in real data-driven systems; weather forecasting for scientific applications; predictive analytics; cutting-edge techniques in numerical simulations; neural networks, deep learning, reinforcement learning; data governance, privacy, and security; adaptive simulations using AI, and case studies in healthcare, finance, marketing, and manufacturing.

Prof. A.K. Nandakumaran, Chairman and Professor at the Department of Mathematics and Computing, graced the inaugural session as the Chief Guest. Emphasizing the importance of domain expertise, he remarked,

"One can't be an expert in everything. While working in interdisciplinary areas, it's essential to take input from experts across fields, but remain rooted in one's core specialization."

He further encouraged the attendees to embrace emerging technologies like AI and machine learning, while maintaining a strong foundational base.

"Just like the fears of computers replacing humans never materialized, the buzz around AI and Data Analytics should be met with openness, but not at the cost of our core strengths," he added.

Prof. Sukumar Mishra, Director of IIT (ISM), presided over the function and highlighted the significance of implementing AI and ML in real-world systems, underscoring their transformative potential across sectors.

In his welcome address, Prof. P.S. Rao, Convenor of the conference, informed that over 77 abstracts and research papers have been received from participants across India. The event is being conducted in a hybrid mode, offering both offline and online participation to ensure greater inclusivity.

Prof. S.P. Tiwari, Head of the Department of Mathematics and Computing, shared insights into the department's academic offerings and ongoing research initiatives. Prof. S. Mondal, Co-Convenor of the conference, concluded the inaugural session with a vote of thanks, expressing gratitude to the participants, organizers, and collaborators.

The conference is expected to foster interdisciplinary collaboration and bring forth innovative approaches to predictive analytics and numerical modelling for real-world applications.

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