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PRESS-RELEASE

IIT (ISM) Hosts Eight-Day Boot Camp on Cryptography and Network Security

Around 65 budding technocrats from various technical institutes across the country gathered at the Computer Science & Engineering department of IIT (ISM) to gain multifaceted knowledge in Cryptography and Network Security. The inaugural session of the eight-day-long boot camp, organized under the aegis of the Ministry of Electronics and Information Technology (MeitY), Government of India, commenced with an insightful introduction to cryptographic principles and hardware platforms.

The boot camp, conducted as part of Phase-III of the Information Security Education and Awareness (ISEA) project from February 12-19, aims to significantly enhance participants' skills in handling security threats and fostering a culture of cybersecurity awareness. The increasing prevalence of cyber threats underscores the need to empower communities with robust security practices, ensuring a safer digital environment for all citizens.

Speaking at the inaugural function as Chief Guest, Prof. Chiranjeev Kumar, Head of the Department of Computer Science & Engineering, emphasized the significance of this initiative. He stated, "Participants will not only gain theoretical knowledge in Cryptography and Network Security but will also benefit from hands-on training provided by experienced faculty members."

Prof. Sachin Tripathi, Associate Professor at the department, highlighted past efforts to strengthen cybersecurity education. He mentioned that a five-day Faculty Development Program on Conceptual Blockchain was organized by the department starting October 19, 2024. This program trained 57 faculty members from various technical institutes affiliated with the University of Technology in Blockchain Technology.

Providing insights into the boot camp's curriculum, Prof. Tripathi elaborated that participants would progress through various security levels, beginning with application-level security, followed by system-level security, and culminating in network-level security. "The camp will equip attendees with essential tools for securing networks and mitigating cyber risks," he added.

The camp is structured to dedicate four days to Cryptography studies, followed by four days focusing on Network Security. "Cryptography involves the art of securing information through coding techniques, while network security primarily addresses data protection and threat mitigation," explained Prof. Tripathi. He further emphasized that practical sessions would help participants understand encryption and decryption techniques in software applications.

Notable faculty members conducting the training include Prof. Dharavath Ramesh, Prof. Arup Kumar Pal, and Prof. Hari Om, along with others including Mr. Deep Narayan Das, Mr. Devendra Mani Tripathi, and Mr. Rajesh Mishra. Their expertise will provide participants with a comprehensive understanding of cybersecurity tools and methodologies.

This initiative by IIT (ISM) reinforces its commitment to developing cybersecurity competencies among aspiring technocrats and fostering a resilient digital ecosystem in India.

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