

New course at IIT Mandi

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NEW DELHI: Indian Institute of Technology Mandi is launching a new BTech programme in engineering physics from the next academic year. The programme is being offered jointly by School of Basic Sciences (SBS), School of Computing and Electrical Engineering (SCEE) and the School of Engineering (SE) at IIT Mandi. The curriculum of Engineering Physics will introduce students to a wide variety of fields in pure as well as applied Physics.

A Bachelor's in engineering physics will open several career paths in interdisciplinary areas such as Quantum Technology, Photonics, Nano-Electronics and Artificial Intelligence, which are promising to become dominant in the near future.

Speaking about the uniqueness of the programme, Dr. Pradeep Kumar, course coordinator, School of Basic Sciences, IIT Mandi, said, "21st century belongs to the interdisciplinary

areas and engineering physics will act as catalyst to bridge the gap between basic science and traditional engineering disciplines to tackle the next generation technological challenges such as quantum technology and artificial intelligence".

The core course will cover basic areas in physics such as quantum mechanics, condensed matter physics, as well as feature basic courses in maths and engineering.

Speaking about the importance of this programme, Dr. Pradeep Parameswaran, dean (Academics), IIT Mandi, said, "The principles of physics are fundamental to the theory and practice of engineering. IIT Mandi since its inception has believed in challenging rigid disciplinary boundaries, and our course offerings reflect our interdisciplinary outlook. Hence, we feel this engineering physics course will appeal to all stakeholders: potential students as well as employers in industry and academia."