

New BTech courses at IITGn

Institute to introduce Bachelor of Technology in Computer Science and Technology; course to offer specialisation in algorithm designs, artificial intelligence, etc.

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Adding to the degrees conferred by the institute, the IITGn has announced it will offer a Bachelor in Technology (BTech) in Computer Science and Engineering from the upcoming academic year. Officials at the Indian Institute of Technology Gandhinagar said the new CSE course has been designed keeping in mind the institute's vision. The program aims to promote critical thinking, expose students to an interdisciplinary view of knowledge and also equip students with the necessary skills for lifelong learning, stated an email from the institute.

It further stated that the CSE curriculum at IITGn is designed to provide substantial opportunity for experiencing applications through hands-on projects, inspired by real world problems. It emphasises the mathematical foundations of computer science. At the same time, the electives support a variety of specialisations, including algorithm design, machine learning, artificial intelligence, data science, information



security, operating systems, among others.

Professor Anirban Dasgupta, IITGn faculty of CSE, said, "Recognising the interdisciplinary nature of modern computer science, the curriculum will also entail specific tracks in which a sequence of electives will be available for undergraduates to specialise in." One of the main objectives of the curriculum is to enable a student to start working on a research project of their choice as soon as possible, as early as the fifth semester, he said. The program will also have supervised readings, semester-long project courses, industry collaborations and expert visitors," said Dasgupta.