

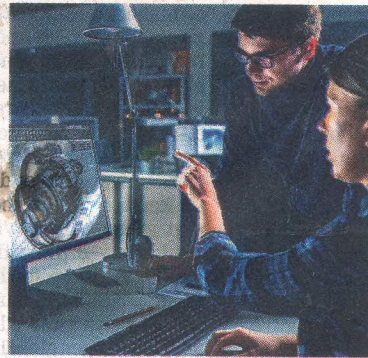
AICTE to include emerging technologies in the revised curriculum of CSE

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The AICTE will introduce new emerging technologies in the curriculum of Computer Science Engineering (CSE). Technologies such as Quantum Computing, 3D Printing, Virtual Reality (VR), Augmented Reality (AR), nanotechnology, holographic technologies, new developments in cybersecurity and advanced data analytics and other analytical technologies, too, would be added to the revised curriculum of CSE.

The curriculum would be taught across engineering colleges and universities in the country barring the IITs and NITs from 2023-24 academic session. AICTE had formed a six-member committee in May last year which has now decided to add new technical dimensions to the existing CSE curriculum. The curriculum change was essential as the industry is increasingly heading towards digitalisation which requires the technical know-how of emerging technologies.

Speaking to *Education Times*, Buddha Chandrasekhar, chief coordinating officer, AICTE, Ministry of Education, says, "We are fine-tuning the content that is taught to Computer Science students so that they are able to create a robust hub of digital capabilities in the future. We are working to add some sections related to Quantum Computing, 3D Printing, Virtual Reality (VR), Augmented Reality (AR), nanotechnology, holographic technologies, cyber security technologies and advanced Data Analytics and analysis technologies in the revised curriculum of Computer Science



By introducing new curriculum, a pool of neo-tech-savvy Indian students would emerge

which will be taught from 2023-24 academic session. In addition to this, we have also added some new simulations and node.js technology applications (superfast technology) in the curriculum."

This will equip the students with the technical know-how of emerging technologies which would also enhance their employability prospects post completing their graduation. "This will increase their employment opportunities in sectors like Automobile, Banking, Finance, and Retail. Also, technology is rapidly changing and businesses worldwide are becoming digital which has necessitated some additions to the existing curriculum," says Chandrasekhar, underlining how this will create an opportunity for research and innovation.