

# BTech students to study human values as compulsory subject

**IN SYLLABUS** Students will also study environmental engineering and disaster management

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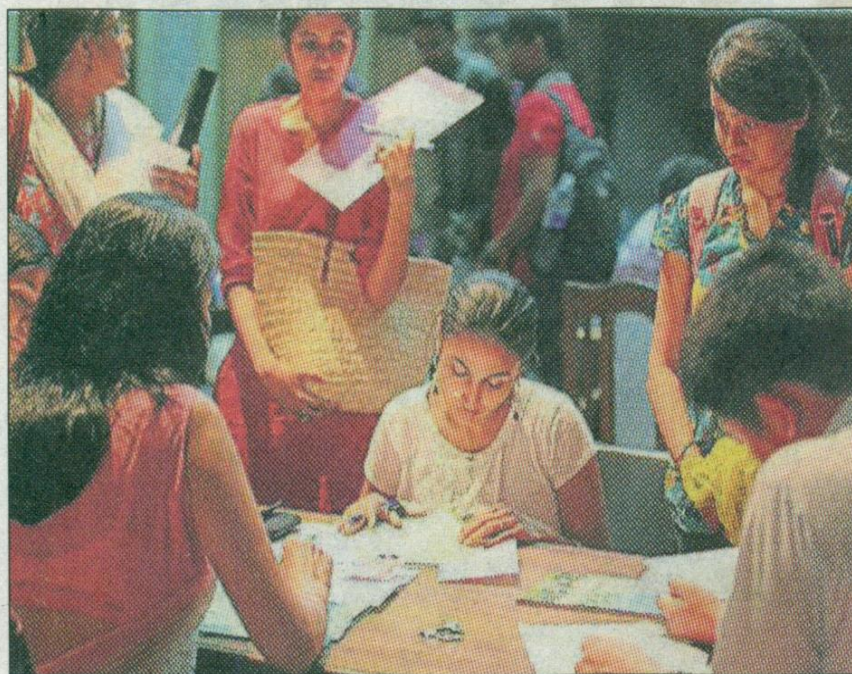
**KOTA :** Engineering students in Rajasthan will now study 'human values' and 'environmental engineering and disaster management' as compulsory subjects in the first year of their BTech course.

The Rajasthan Technical University (RTU) in Kota has decided to introduce the subjects for, what it calls, inculcating ethical values among the engineering students and promoting their social connect. Students of the 118 engineering colleges affiliated to RTU will study the subjects from this academic session (2017-18).

"The idea is to not only nurture a good engineer but also make a good human being for which value-based education is necessary," RTU vice chancellor professor NP Kaushik told Hindustan Times.

"We want to prepare an engineer who has social connect, and at the same time can connect with the environment because most of the natural disasters in the world occur due to human errors."

The human values subject includes topics, such as natural acceptance of human values, ethical human conduct, need and



■ About 14,000 applications have been received for admission to the first year BTech course.

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content of value education, and harmony in human being, family, society and nature.

The subject will also have practicals. "Students will be sent to hospitals, old-age homes, slums and also for social work with NGOs, so that they can understand human values in application instead of mere theory," Kaushik said.

Students will also conduct practicals in environmental engineering and disaster management. About 14,000 applications have been received for admission

to the first year BTech course.

Five subjects -- mathematics, physics, chemistry, English and computer programming -- are taught in first two semesters of the first year. Now RTU will give option to students to study physics/chemistry and English in any of the two semesters to make way for the introduction of the new compulsory subjects.

This means that if a student studies physics in the first semester, then he/she can study chemistry in the second semester, or vice versa. If a student studies

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human values in the first semester, then he/she can study English in the second semester, or visa versa.

Another aim behind introducing the new subjects is to reduce pressure of studying physics and chemistry in one semester, said an RTU professor.

Like other subjects, human values and environment subjects will carry 100 marks for theory and 50 for practicals. RTU has developed the syllabus for human values and environment/disaster management subjects and released a list of books.

"First-year engineering students will read topics like pollution, deforestation, global warming, waste management, rainwater harvesting and disaster management so that when they become engineers, they take care of environment in their professional work," said professor BP Suneja of RTU.