

# IITB Partners Mojo for Deploying SAFE

Priyanka.Sangani@timesgroup.com

**Pune:** IIT Bombay (IITB) is working with tech firm Mojo Networks to enhance how it is using technology in its classrooms.

According to Bhaskaran Raman, professor, IITB, the university has collaborated with the tech firm for the deployment of SAFE (Smart, Authenticated, Fast Exams) – a smartphone app-based system for conducting exams in classrooms.

“The app has been developed by the IITB research team over the past few years and one of the main challenges was the WiFi network and connectivity,” he said. Pune-headquartered Mojo Networks provides Wi-Fi infrastructure that can be scaled up across thousands of users in a large organisation.

“The key issue with WiFi connectivity comes up when it is not engineered well. Our role was to ensure connectivity, as well as the quality and capacity of the connection, along with providing a secure network,” said Kiran Deshpande, president, Mojo Networks. SAFE is currently being used to administer in-class tests for classroom sizes ranging from 100 to 500 students. The genesis for the app lay in pedagogical data that showed periodical tests help increase the attention levels in students. “As classroom sizes increase, the level of interactivity in the classroom decreases. We wanted to increase the number of tests we were conducting, but a pen-paper solution is impossible with so many students. So, we first tried browser-based tests, and finally an app,” said Raman.

So far, SAFE has been used for in-class quizzes in 14 IITB courses in the past two years. It was also used in the pre-interview screening test for IITB CSE MTech RA admissions in May 2016.