

IIT Indore to develop 250 new technologies in Ujjain

OUR STAFF REPORTER

Ujjain

After Chief Minister Mohan Yadav inaugurated its Centre for Experiential Learning on Innovation, Technology and Entrepreneurship (C-ELITE), the Indian Institute of Technology, Indore, has shared its next five-year plan for its facility in the ancient town.

"IIT Indore will be developing 250 new technologies in the next five years. Through

the Lab-to-Market programme, it is envisioned to incubate 150 ideas and convert at least half of them to be market-ready. In addition, the campus will have degree, executive and skill development programmes. It is also planned to train 2,500 personnel in deep technology in five years," a press release issued by IIT Indore read.

"The campus will have five conference halls, 15 digital classrooms, administrative building, residential and

hostel complexes. Thus, it will serve as a hub for cutting-edge research, interdisciplinary collaboration and the nurturing of talent that will contribute to the nation's progress," the press release further stated.

The C-ELITE houses three state-of-the-art labs, including Makers' Space, Heritage and Innovation Centre in Astronomy and Space Engineering (HICASE) and Laser Engineering.

Makerspace Laboratory will provide an enabling physical



environment for young engineering students to go hands-on and give form and expression to their innovative and creative minds. The objective

is to empower students to take systems apart, examine the component parts, and rebuild the original systems. It will also help the students to put together new systems, to convert creative ideas into actual engineering products.

The HICASE will be one of the first-of-its-kind to use the best of ancient and modern worlds to enlighten the young minds. The aspects covered in this centre will be Astronomical Heritage, Space Sci-

ence Education Hub and Skill Development Centre, Data Intensive Computing and Analytics Laboratory and Start-up and Innovation in Device Technology related to Astronomy and Space Research.

The Laser Engineering lab will provide hands-on experience to the student and faculty in designing the laser system for different customised requirements of the industries. The lab includes Laser based GI Index Printing on Textile to

print Bagh logo for geographical indexing on the textile's products and wood carving, Laser Michelson Interferometry in high-precision distance and thickness measurements using the laser beam, Laser Engraving and 3D Printing, Opto-Mechatronics System which will give a glimpse on laser beam steering in nano to micro level and Photoacoustic System for Health Monitoring for screening early-stage cancer diagnosis.