



## NITK opens new 'NextGen 3D Lab'

Mangalore Today News Network

**Mangaluru, Feb 10, 2017:** Reports project that a first-of-its-kind initiative among the NITs of India, National Institute of Technology, Karnataka, Suratkal, has set a milestone by having a NextGen 3D Lab in collaboration with Hexagon Capability Center India (HCCI).



The NextGen 3D Lab at NITK campus is a part of Campus Championing Programme of HCCI towards the promotion of higher education and research. The lab, set up at a cost of Rs 7 crore, offers courses which utilise SMART 3D, one of the premium global engineering products.

Hexagon Capability Center India vice president and Country head Navaneet Mishra said that through the lab, the students will be facilitated with hands-on experience in handling the cutting edge software tools used in industrial plant, marine and materials handling facilities across the world and in India.

NITK director Prof K N Lokesh said the lab will have a multi-disciplinary approach and students from any stream of engineering can be a part of the NextGen 3D Lab. The training inducted to the students in the lab will make them industry ready. The NITK has plans to offer the course as an open elective for the graduate and postgraduate students of all departments at NITK, he added.

HCCI independent director and member of the board Nandini Sabanayagan said the lab is a vast multi-disciplinary project which provides the best platform for the engineering students. She hoped that the lab will be utilised to the full extent and the benefited students will give back to the country in terms of creativity.

Mechanical Engineering Department assistant professor and lab in-charge Dr Mrityunjay Doddamani said that engineering students from other colleges will also be provided an opportunity to undergo training in the 3D lab.

**NextGen 3D Lab** The laboratory is equipped with 20 machines and one server powered by licensed Smart 3D software. The students initially will go through a specially designed instructor-led training program, led by trained professors with PhD backgrounds, who have undergone training from HCCI's technical experts.

The course would be offered as an elective for graduate and postgraduate students and will be made available across all departments at NITK.

The in-person training module would be augmented with practical assignments in the lab where students get to work on the real time projects.

The Smart 3D is a data-centric and rule-driven solution, which is specifically designed to deliver mission-critical requirements. The software enables designers, subcontractors, suppliers, authorities, and others to easily and effectively monitor, manage, or execute projects across companies. It provides multi-industry capabilities in a single application.

NITK Mechanical Engineering department head Prof S Narendranath, Prof K V Gangadharan, HCCI PP&M executive manager and head Krishnan Meghani, HCCI human resources director Peter Cherian and HCCI project leader Chethan S were present.