

Workshop on Robotics

Department of Computer Science & Engineering and Information Technology organized 2-days workshop on Robotics held on 6th –7th of March 2010. This workshop conduct by Technophilia & IIT Kanpur, presents RoboKriti-**NXT**.

Technophilia & IIT Kanpur's Techkriti 2010 introduces first and the only Robotics Workshop in India based on "HAPTICS".

Haptics is the science of applying touch sensation and control for interaction with virtual or physical applications. In combination with a visual display, haptics technology can be used to train people for tasks requiring hand-eye coordination, such as Robotic Tele Surgery and Space ship maneuvering.

“**RoboKriti** - The art of Building Robots” is a workshop especially designed for newbie's and robotics enthusiasts of all disciplines from diploma Institutes to Engineering Colleges of all the branches like Electronics, Telecommunication, Mechanical, Computer Science, Production, Metallurgy etc.

The students will learn the basics concepts and will gain the practical experience while working on the RoboKriti kit. They will be introduced to the basic fundamentals of robotics and will learn to apply them in real life.

The RoboKriti Kit is specially designed and developed by Team Technophilia. Using this kit, students make a robotic vehicle, which can be controlled via five mediums, viz:

- 1. Wired Remote control**
- 2. Wireless Remote Control (RC Control)**
- 3. Computer Control**
- 4. Speech Control (Speech Recognition)**
- 5. Internet Control**

The duration of workshop was two consecutive days, 8 hours per day. There are 4 sessions in total 16 hours, properly divided into theory and hands of experience . In this workshop total 101 number of students participated and successfully completed the workshop. After the completion of the workshop the students were provided certificates & Kits.

This workshop aims to provide a technical platform for the young technical minds so as to smoothen their technical journey in the field of robotics. It basically consists of basic fundamentals and practical concepts of basic electronics, robotics and its various applications.

This workshop successfully completed

Under the guidance of: **Prof. H.K. Soni (H.O.D - CS &IT Dept).**

Event Coordinator: **Mr. Praveen Goyal & Ms. Sheenu Sharma.**