



THRUSANG-14

A National Level Technical Fest



WORKSHOP on “LEGGED ACCELEROBOTIX”

THRUSANG-14, A two day National Level Technical Fest was organized by the students of Electronics and Computer engineering Department under the roof of a noteworthy student association called ESSENCE on 26th and 27th of September. THRUSANG this year has come up with a theme “PANORAMIC DEVELOPMENT THROUGH INDUSTRIALIZATION”.

Legged Accelerobotix workshop aims at giving an opportunity to the budding engineers to take a stand and actively participate in the development of Legged Robots right from the scratch. This workshop covers the concepts which prove to be the basic building blocks of legged robots and enables the students to develop a “HEXAPOD – 6 Legged Walking Robot” in just two days.

Along with this student will learn AVR microcontroller programming concepts like digital I/O programming, use of I2C protocol & Interfacing of a 3-axis digital acceleration sensor to control the robot based on hand gesture. In this workshop the resource person told about the Introduction to Robotics, Types of Robots, Introduction to Legged Robots, Types of walking in Legged Robotics (Biped, Quadruped, Hexapod, Leg-Wheel), about Sensors.



Resource person: Smith Shah from Technophilia Mumbai

Introduction to AVR microcontroller: Details of AVR microcontroller, Microcontroller Programming: Introduction to Embedded C programming, Familiarization with WinAVR Cross-Compiler programming environment, Writing basic IO programs ,Acceleration Sensor: Concepts and Activities.



Students working in Accelerobotix workshop at C121