AAROHAN '17

THE ANNUAL TECHNO-MANAGEMENT FEST • 9TH-12TH FEBRUARY

NIT DURGAPUR

UNESCO
United Nations
Educational, Scientific and
Cultural Organization

Indian National
Commission

Skubotics

Learn, Play and Grow

Remote Sensing and Automation Workshop using IoT and Raspberry Pi

We, Robocell, CCA, official robotics club of NIT Durgapur in association with Skubotics bring to you an exciting workshop on Remote sensing and automation.

Topics to be covered:

- Familiarization with basic electronic concepts
- Introduction to Arduino Programming
- Interfacing of Sensors with Arduino
- Understand how to upload Arduino Data to the "Cloud"
- Developing a live IoT network: Read, record and store the room temperature data online or in an excel file
- Simulating the IoT network with a laptop/desktop
- Introduction to Raspberry Pi
- Installation and Know-Hows while running Linux on a Raspberry Pi
- Developing the same IoT application and migrating it to Raspberry Pi

Kit contents:

- Relay Card - Relay Controller Board
- Input Card - Switch, Pot, LM35
- Output Card - LEDs, Buzzer, Darlington Array
- Arduino

Workshop Fees: 2800/- per team (Max. 4 members in a team)

Dates: 4th and 5th Feb 2017
Venue: NIT Durgapur

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