National Institute of Electronics and Information Technology Gorakhpur

Name of Group: Electronics Division

Name of Course: Course in Robotics

Objective: This course involves a cognitive understanding of the hardware and software part of a robot. This class gives students a real time hands-on experience on what it takes to be a professional engineer.

Duration: 4 Weeks / 6 Weeks

Eligibility: Completed or Pursuing BE / BTech / Diploma or equivalent.

Course Fees (Proposed): Rs. 1000/- per week (+GST)

Registration Process: Candidates have to apply in prescribed application form. The forms can be collected from NIELIT Gorakhpur centre or can be downloaded from the NIELIT Gorakhpur website. The duly filled form along with the course fees has to be submitted at NIELIT Gorakhpur centre. The Fees deposited is Non-Refundable.

Course Content:

Modules:	Duration	Contents
Module 1	4 Week	• Embedded basics, • Robot: An introduction • Buzzer, LED, LCD interfacing • Simple motion control, Velocity control, ADC sensor display on LCD, Interrupt on Firebird • Basics of Arduino, sensor interfacing, assembling using Arduino
Module 2	2 Week	• Arduino based projects

∗ There will be 3 Hours Session per day.
∗ These sessions will include Theory Classes, Demo and Practical.

Mode of Payment: Fees can be paid either by swiping debit/credit card or by challan.

For any queries and more details please contact
Ms. Shalinee Mishra **(8317093875)**