

Summer Internship Programme on Microcontroller based Embedded System Design

(July 11, 2016 - August 2, 2016 @ NIT Patna)

Department of ECE, NIT Patna in collaboration with TI Centre for Embedded Product Design, NSIT is pleased to announce a 4-week long summer internship programme on Microcontroller based Embedded System Design, the chosen Microcontroller track is MSP430.

Register Now:

Requirements:

This programme is targeted at students, teachers and professionals who are starting their career in embedded systems. If you are a student, you should have completed at least one year in the UG programme. The following will be expected from you:

1. Participants are required to bring their own laptops
2. Basic knowledge in Digital/Analog electronics
3. Basic C Programming Skills
4. Familiarity with Microcontrollers
5. Strong interest in system building activities
6. Motivated learner!
7. Willingness to go the extra mile!

Programme Coverage:

The 4 week programme covers the following Topics:

1. Hands-on experience in designing schematics and PCBs using EAGLE CAD
2. Lectures on issues related to basic building blocks of embedded systems
3. In-depth understanding of the capabilities of the microcontroller chosen
4. Hands-on sessions around the Launchpad evaluation kit of the chosen track

Each participant is expected to work on an individual, stand-alone project of his/her choice. They must design and make a PCB for the project, solder all the components and program the microcontroller to achieve the stated objective and finally write a complete documentation for the project.

Fees:

The fee must be paid in the form of Demand Draft only. The DD should be drawn in favor of "NIT Patna" and payable at Patna.

Fee Structure:

Rs. 8000/- only

Hostel accommodation is available for participants at nominal rates. This payment will have to be made in full upon arrival. Kindly specify the accommodation requirement when registering for the programme.

Bag of Goodies:

Each participant would be given a back pack consisting of the some basic electronics components, electronic components ranging from resistors to digital ICs, Launchpad Microcontroller evaluation kit of the chosen track, and a certificate of participation.

Registration:

Prior registration is mandatory to participate in this programme. A registration fee will be charged, as mentioned above, to cover the expenses of the programme. Participants are requested to register by filling out the registration form attached in the NIT Patna website and send a scanned copy of the DD along with scanned copy of filled registration form by e-mail to mwakram@nitp.ac.in before June 20, 2016. There is a limitation in the maximum number of participants of 50, admission will be done first-cum first serve basis. Confirmations to all the selected candidates will be sent out periodically. Upon receiving the confirmation, you must send the original DD to:

Dr. Md. Waseem Akram
Asst. Prof., Dept. of ECE
Ashok Rajpath, Mahendru
NIT Patna, Patna-800005
Mob. No.: 9760984755

For any query regarding the program, you can contact to following persons as given below:

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