

Fifth School on System Design Using Microcontroller

Duration: One Week from 26th December, 2016

Organised by

Department of Instrumentation and USIC
Gauhati University



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Co-ordinator

Dr. Utpal Sarma

Develop skill to make fun and earn

Background:

In the present world, all types of electronic equipments are becoming smart / intelligent i.e. each of them do possess some sort of inherent processing and storage capabilities. Smartness to these devices are provided by embedding several types of Microcontrollers.

At present there is a very high demand of embedded system designer. If the students at their undergraduate level become familiar with these topics there will be possibilities to emerge better embedded system designer from the group.

Participants will be encouraged to do their end semester project based on Microcontroller.

Objectives

1. Familiarise with working of microprocessor and microcontroller
2. Writing code for microcontroller in C and programming a microcontroller
3. Exposure to the concept of Embedded System
4. Design and fabrication of signal conditioning circuits for sensing and data acquisition

Target groups

The target group for the workshop will be the fifth semester appeared students of TDC with major in Physics, Electronics and Computer Science, end semester post graduate students and research scholars.

Workshop Coverage

The course will cover the following topics from basic level.

- Architecture of Microprocessor & Microcontroller,
- Concept of Data Acquisition System
- Idea of Signal Conditioning
- Project work on Microcontroller based Data Acquisition System.

The lectures will be followed by hands on both analog and digital electronics.

Registration Fee: ₹1,000.00

The registration fee will be refunded to few participants based on their performance during the school

Important Dates:

1. Last date of application in prescribed forms: **10.12.2016**
2. Date of publication of selection list: **15.12.2016**
3. Date of registration: **26.12.2016**

Dr. Utpal Sarma

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Application Form for Under Graduate Students

1. Name:
2. Date of Birth:
3. Name of the Institute:
4. Address for Communication:
5. Phone No.:
6. E Mail ID:
7. Major Subject:
8. Marks in Percentage/ Grade Obtained:

Sem I (Major)	Sem II (Major)	Sem III (Major)	Sem IV (Major)	Total

Signature of the Applicant

Recommendation from the Head of the Department

_____ is hereby recommended as a candidate for participation in the "Fifth School on System Design Using Microcontroller", organized by Dept. of Instrumentation and USIC, Gauhati University, Guwahati-14 from 26.12.2016.

Signature
Head of the Department
(with date and office seal)



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Gauhati University

Application Form for Post Graduate Students

1. Name:
2. Date of Birth:
3. Name of the Institute:
4. Address for Communication:
5. Phone No.:
6. E Mail ID:
7. Major Subject:
8. Marks in Percentage/ Grade Obtained*:

Sem I	Sem II	Total

Signature of the Applicant

Recommendation from the Head of the Department

_____ is hereby recommended as a candidate for participation in the "Fifth School on System Design Using Microcontroller", organized by Dept. of Instrumentation and USIC, Gauhati University, Guwahati-14 from 26.12.2016.

Signature
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Gauhati University

Application Form for Research Scholars

1. Name:
2. Date of Birth:
3. Name of the Institute:
4. Address for Communication:
5. Phone No.:
6. E Mail ID:
7. Major Subject:
8. Name of the Supervisor and Field of Research:
(A recommendation letter from supervisor should be enclosed)

Signature of the Applicant

Recommendation from the Head of the Department

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Signature
Head of the Department
(with date and office seal)