

## REGISTRATION FORM

### SHORT TERM COURSES FOR STUDENTS

DEC 2011 to MARCH 2012

#### Rajagiri School of Engineering & Technology

1. Name:.....

.....

2. Semester ..... Branch:.....

3. Tel. No:.....

4. Email:.....

5. Course name: .....

.....

6. Amount paid (Rs.) : .....

Date:

Signature of the participant

### Registration and Payment of Fee

- Fill up the Registration Form attached to this brochure
- Submit the filled-in Registration Form along with registration course fee Rs. 100/- in cash\* to the department coordinator and remaining amount during the commencement of the courses.
- For Courses conducted in December 2011, last date of registration: 30<sup>th</sup> November 2011.
- For Courses conducted during January to March 2012, last date of registration: 15<sup>th</sup> December 2011.

\*This amount is *non-refundable* and will be adjusted against the course fee

#### ORGANISING COMMITTEE

Chief Patron: **Rev. Dr. Antony Kariyil CMI, Director, RSET**

Patrons: **Dr. J. Isaac, Principal, RSET**

Convener: **Ms. Liza Annie Joseph, HOD-AEI**

Department

Coordinator: **Mr. Anuj Abraham, Assistant Professor**



**RSET**  
RAJAGIRI SCHOOL OF  
ENGINEERING & TECHNOLOGY

## RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY

### CONTINUING EDUCATION CELL

*announces*

## SHORT TERM COURSES

## FOR STUDENTS

**DEC 2011 to MARCH 2012**

**Courses offered by**

**Department of Applied Electronics and  
Instrumentation**

### *About the Courses:*

#### **EXTENSIVE TRAINING ON MATLAB & TOOLBOXES:**

The course will start in 3<sup>rd</sup> semester and end in 8<sup>th</sup> semester introducing a tool box in every semester.

##### **1. INTRODUCTION TO MATLAB:**

[For S4 AEI]

Course covers variables, operations, plotting, visualization and programming, solving equations and simulink.

**Duration: December 5<sup>th</sup> -7<sup>th</sup> 2011 (12 hours)**

**Course fee: Rs. 600/-**

##### **2. SIGNALS & SYSTEMS USING MATLAB:**

[For S4 & S6 AEI]

Course covers basic signal generation, convolution, frequency analysis and applications, system response & transfer function in s-domain & z-domain, and partial fraction expansion.

**Duration: December 13<sup>th</sup> -16<sup>th</sup>, 2011 (8 hours)**

**Course fee: Rs. 400/-**

##### **3. DIGITAL SIGNAL PROCESSING USING MATLAB:**

[For S6 AEI]

Course covers realization of direct form, cascade, lattice structures, filter design, IIR and FIR filter implementation

**Duration: January- March 2012 (8 hours)**

**Course fee: Rs. 400/-**

##### **4. CONTROL SYSTEMS USING MATLAB:**

[For S6 AEI]

Course covers transfer function and frequency response design, bode plot, nyquist plot, and stability analysis.

**Duration: January- March 2012 (8 hours)**

**Course fee: Rs. 400/-**

Certification by: RSET

#### **PIC MICROCONTROLLER:**

[For S6 AEI]

It covers basics of microcontrollers ,architecture of PIC microcontroller, instruction sets, addressing modes, assembly language programming concepts, I/O port usages, interfacing of LED, push button, 7- segment display, LCD, relay, ADC, stepper motor etc., hands-on training on MPLAB IDE.

**Duration: January 2<sup>nd</sup> -5<sup>th</sup>, 2012 (10 hours)**

**Course fee: Rs. 750/-**

Certification by: RSET

#### **PLC & INDUSTRIAL AUTOMATION:**

[For S8 AEI]

It covers an introduction to PLC, industrial data networks, virtual instrumentation, process control, drives and servo motors.

**Duration: January 2<sup>nd</sup> -6<sup>th</sup>, 2012 (24 hours)**

**Course fee: Rs. 750/-**

Certification by: RSET

#### **Course coordinators:**

##### **MATLAB Course:**

Dr, Abraham Thomas, Ms. Meena V, Mr. Sreejith TV, Mr. Anuj Abraham , Mr. Anish T, Ms. Asha Joseph.

##### **PLC & Industrial Automation:**

Mr. Krishna Kumar KP, Mr. Raman G, Mr. Dominic Mathew.

##### **PIC Microcontrollers:**

Ms. Shanmuga Priya M, Ms. Aparna George.

#### **About DAEI:**

The Department of Applied Electronics and Instrumentation of RSET, established in 2001, offers undergraduate program in Applied Electronics & Instrumentation and post-graduate program in Signal Processing. The department aims to develop highly trained professional in the field of electronic applications, instrumentation and process control and to promote in students a positive attitude towards engineering research application. Department trains the students to adapt to the dynamic industrial scenario and take up engineering profession with confidence and commitment.

#### **About Continuing Education Cell:**

There is more to learning than just the syllabus prescribed by the university. A good educational institution should be able to offer courses tailor-made to the needs of the participants and aimed at enhancing their knowledge and skill base.

The RSET Continuing Education Cell (CEC) has been formed with the intention of encouraging the different departments to offer short term courses as part of the Continuing Education Programme to RSET students as well as to students of other schools/colleges and to the public in general and streamlining and facilitating such courses.

Several courses are being offered on a regular basis by various departments under the continuing education programme.