

## SPONSORSHIP CERTIFICATE

Ms./Mr.....

(Name and designation) is hereby sponsored to attend - **WESP 2011**- a workshop on **Embedded System Programming for Innovative Projects**, conducted at Government Engineering College Wayanad. If selected, (s)he will be permitted to attend the program for the entire duration.

Signature with date

Head of the Institution

(Office Seal)

### Important Dates

Last Date of receiving Application:

**October 03, 2011 -Monday**

Date of Intimation regarding Selection

**October 07, 2011 – Friday**

Workshop duration

**October 11 - 15, 2011 – Tuesday to Saturday**

### Address for Communication

Mrs. Sindhu N. /Mrs. Bindhima T.  
Assistant Professor  
Electronics & Communication Engineering (ECE)  
Government Engineering College Wayanad  
Thalappuzha (P.O.), Mananthavady - 670 644

Email: [wesponse2011@gmail.com](mailto:wesponse2011@gmail.com)

Tel: +91 9020823223, +91 9495663242  
04935 271261

Web: <http://www.gecwyd.ac.in>

## ABOUT THE COLLEGE

Government Engineering College Wayanad (GECW), one among the prestigious technological institutions under the Technical Education Department of Government of Kerala, is located at Thalappuzha, Wayanad. The institute is affiliated to Kannur University. The under-graduate programs are in Computer Science & Engineering, Electronics & Communication Engineering and Electrical & Electronics Engineering disciplines. The college has state-of-the-art facilities including library with more than 10000 volumes, ICT-enabled class rooms, electronic subscription of journals, to name a few. The misty environs of the campus surrounded by tea plantations and refreshing mountains adds to the beauty and serenity of the campus.

### WAYANAD - THE "LAND OF PADDY FIELDS"

Wayanad is the green paradise nestled among the mountains of the Western Ghats. The mountain district is the most picturesque in the state by the green glaze of alluring vegetation and pleasant climate. The place is also a well-known hill station with many tourist attractions like the Edakkal caves, the Chembra peak, Jain Temples, Wild life sanctuaries, Earth Dam and waterfalls. Clean and pristine, enchanting and hypnotizing, the land is filled with history and culture.

### ABOUT THE DEPARTMENT

The department offers PG programme in Communication Engineering & Signal Processing, and UG programme in Electronics & Communication Engineering. It has well qualified and well experienced faculty, excellent laboratory facilities. Among the ventures taken by the departments are the faculty and student projects sponsored by CERD.

*On behalf of CERD and ECE GEC Wayanad, you are invited for a mind storming session.*

*Dr. Anil B.,  
President, CERD SCPIU & Principal, GEC Wayanad.*

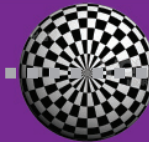
*Dr. Thajudin Ahamed V. I.  
Professor in charge, CERD SCPIU & HOD ECE*

# WESP 2011

A FIVE-DAY WORKSHOP  
ON

## EMBEDDED SYSTEM PROGRAMMING FOR INNOVATIVE PROJECTS

**OCTOBER 11 -15, 2011**



*Sponsored by*

**CENTRE FOR ENGINEERING  
RESEARCH AND DEVELOPMENT**

**CERD**

**GOVERNMENT OF KERALA**



*Organized jointly by*

Department of Electronics & Communication Engineering  
&

Centre for Engineering Research and Development –  
Satellite Centre Programme Implementation Unit  
Government Engineering College Wayanad  
Mananthavady – 670 644

## OBJECTIVES OF THE WORKSHOP

Research undertaken by teachers is beneficial not only to them but to the student community also who get involved in design and development activities well before their professional career. In fact, teachers are fortunate to have the most effective work force in the form of creative and enthusiastic students. And, there is no scarcity for innovative ideas. However, rarely only these ideas take shape into viable engineering projects. The major hurdle is the inability and lack of confidence to formulate and present the ideas.

Embedded systems are involved in almost every facet of modern life including cell phones, pagers, answering machines, microwave ovens, video game consoles, remote controls, and digital cameras, to name a few. Modern automobiles may contain as many as 65 embedded microprocessors, controlling such tasks as antilock breaking, climate control, engine control, audio system control, and airbag deployment.

This tremendous growth in embedded computing has given rise to demand for engineers with experience in designing and implementing embedded systems.

*The workshop will discuss and practice tools for the following*

- Embedded C Programming for PIC, 8051 Real Time Extension.
- Interfacing with 8051 RTX and PIC
- Project development based on GSM, RFID, robotics etc.
- PCB Designing.

We hope that this venture will be a turning point to the faculty and students to start working on embedded system based projects.

*The workshop will be of in-house and interactive nature where sessions may extend beyond office hours.*

### Resource Persons

The various sessions of the training programme will be handled by the experts from CERD, DOEACC, academics and industry.

## ELIGIBILITY

Faculty members from Science and Technological Institutions (Engineering Colleges & Polytechnics) of *Kerala state* are eligible to apply. PG & final year UG students from the above mentioned institutions, in and around the district of Wayanad, can also apply. Number of participants is limited to 20 faculty and 50 students (80% internal and 20% external).

### Registration Fee:

No registration fee for participants from government/ aided institutions. For others, it is Rs.1,000/-, which should be send as DD, *in favour of WESP 2011 payable at SBI, Mananthavady*, along with the application.

An additional amount of Rs.500/- has to be paid by all the participants one the first day as cost of a multi PIC programmer kit to be used during the workshop and afterwards.

### How to Apply

Duly filled registration form, with the sponsor certificate endorsed by the head of the institution, should reach us by October 03, 2011. A scanned image/PDF file of the registration form may be sent by email as advance copy to ensure your selection.

### Financial Support and Accommodation

Participants from Government Engineering Colleges will be paid *second class rail fare* in the shortest route. *Accommodation and food will be arranged for all the participants.*

The climate in Wayanad is generally cool during October. Hence, it is preferable to carry light winter cloths.

## WESP 2011 A Five-Day Workshop On Embedded System Programming for Innovative Projects (October 11-15, 2011)

### REGISTRATION FORM

Name :  
Sex : Male / Female  
Designation :  
Qualification :  
Specialization :  
No. of UG/PG projects undertaken :  
No. of consultancy work undertaken :  
Experience in embedded systems field :  
Contact Address :  
Mobile No. :  
Email :  
Date :

Signature of the Applicant