About the Institute

K.L.N. College of Engineering has been the first self-financing co-educational Engineering College started in Madurai in 1994. The College has been affiliated to Anna University and approved by All India Council for Technical Education (AICTE). The College is located in the south eastern outskills of Madurai and is 11Km away from Madurai city. The college runs 7 undergraduate engineering programs and 7 Master Programs including M.E. Communication Systems.

Department of ECE

The Department of ECE was started in 1994. The Department has adequate infrastructure with spacious classrooms, conference halls and well developed eight laboratories having the advanced designing tools like MATLAB, Orcad P-Spice, Xilinx, IE3D, ADS, LabView and modernized equipments like spectrum analyzer, microwave power meter, GPS kit. The department initiates the U.G., P.G. & research projects in Embedded Systems through the Centre for Embedded Systems which is based on the collaboration of institution & Embedded industry. The department library has over 1500 books and magazines and journals. AICTE, New Delhi has sanctioned fund as under MODROB scheme for modernizing Microwave Lab and DSP lab of this department.

Objectives of the Workshop

Two-day µC/OS-II and Keil-RTX training session provides an in-depth look at one of the embedded community's favorite real-time kernels. This comprehensive session covers the full gamut of µC/OS-II and Keil-RTX's many helpful services, offering insight into both how these services are typically used and how they are implemented. The session is based on a combination of discussion and hands-on content, the latter of which consists of a series of coding exercises that help to bring complex kernel concepts to life. Attendees of the session are given access to a number of helpful reference sources and applications.

With

Pantech ProEd Private Limited, an ISO 9001:2008 certified organization and being a part of Pantech Group of Companies. Pantech ProEd Private Limited is proficient enough to provide with the highest quality project design and training in INDIA. A comprehensive start-to-finish curriculum ensures that one gains proficiency and confidence in both the basic and advanced features. The hands-on courses and workshops are designed to accelerate learning curve and prepare to face the industries expectations on the day one.

Two-Day Workshop
on
"Embedded Systems with µC/OS-II and Keil-RTX RTOS for Researchers"

18-09-2014 & 19-09-2014 (Thursday & Friday)

REGISTRATION FORM

Name :

Qualification :

Designation :

Experience :

Department :

Organization :

Address for :
Communication

Mobile No. :

E-mail id :

Accommodation required : Yes   No

D.D. No. :   Dated

Amount :   Bank :

Date: Signature of the Applicant

Accommodation

No TA / DA will be paid to the participants. On prior request, accommodation can be arranged in our college hostel with breakfast & dinner at a nominal fee.

Who can Register?

The programme is open for all engineering faculty members & industrial persons. Interested Research Scholars & P.G. students are also allowed to register. Application can be downloaded from the website www.klnce.edu

Registration Fee includes

1) Course Kit
2) Course Materials
3) FDP Certificate
4) Working Lunch, Tea & Snacks

Registration Fee

1) Delegates from Academic
   Institution and Industry   Rs.650/-

2) Research / PG Scholars   Rs.600/-

The registration fee should be paid through Demand Draft drawn in favour of "THE PRINCIPAL, K.L.N. COLLEGE OF ENGINEERING" payable at Madurai.

Local Transportation

Our college buses are plying on daily over 35 routes from various parts of city. Participants can use these buses to reach K.L.N.C.E. For further information please contact coordinators.

Important Dates

Registration form along with D.D should reach us on or before 15th September 2014. Limited spot registration only be allowed.

Program Schedule

Day 1:

Session – I
- Introduction to RTOS and µC/OS-II
- kernel basics & its applications

Session – II
- Scheduling and context switches
- Tasks, Interrupts and exceptions
- Synchronization primitives, Mutual exclusion

Session – III
- Time Management
- Muti-tasking (Task Management- (LED Blinking + UART)) & Mutex
- Resource management & semaphore

Session – IV
- Case study (Practical)
- Any one application design using RTOS

Day 2:

Session – I
- Compiler Overview - Keil
- 8-Bit Controller Overview – 8051
- Difference B/W MCU & Processors

Session – II
- 8-bit MCU Features & Comparison
- PIN Diagram/Addressing/Memory organization, Timers, Counters & Interrupts

Session – III
- General Outlook on the 8051 Kit
- Simple Arithmetic operations with ALP
- Switch / LED (I/O)
- Character LCD Interface (2x16 | 4x20)

Session – IV
- Case study (Practical)
- Any one application design using RTOS

Correspondence

1) **Prof.S.C.Sivaprakash**
   Mobile: 9894429478
   E-Mail: similinum@gmail.com

2) **Ms.S.Indumathi**
   E-Mail: siva17indu@gmail.com

Department of ECE
K.L.N. College of Engineering
Pottapalayam – 630 611.Madurai, Tamilnadu.

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Chairman
Dr.A.V.Ramprasad, Principal

Convener
Prof.V.Kejalakshmi, HoD/ECE

Coordinators
Prof.S.C.Sivaprakash
Ms.S.Indumathi

Organized by
Department of Electronics & Communication Engineering

K.L.N.COLLEGE OF ENGINEERING
Pottapalayam - 630 611
Sivagangai District.
Phone: 0452 2090971, 2090972
Fax: 0452 2698280