REGISTRATION FORM

One Day Workshop
on

EMBEDDED LINUX ON ZYNQ-7000 SOC USING VIVADO

September 25, 2015

Name: _____

Designation: _____

Qualification: _____

Institution/Organization: _____

_____

Phone/ mobile: _____

Email: _____

Registration Fee Details:

DD No _____Date _____

Bank _____Rs _____

Date   Signature

REGISTRATION FEE:

Faculty from Institution: Rs. 300 /-
Industry participants: Rs. 1,000/-

CHIEF PATRON:

Sri Ch. Malla Reddy,
Founder Chairman, MRGI
Hon'ble Member of Parliament, Govt. of India

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CONVENORS:

Dr. VSK Reddy
Principal, MRCET

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Director, Dept. of ECE

ORGANIZING SECRETARY:

Dr. S. Srinivasa Rao
Head, Dept. of ECE

COORDINATOR:

Mr. Mallikarjunaa Lingam.K, Assoc. Professor

RESOURCE PERSONS:

Mr. Alex Wong
Senior Technical Analyst,
Digilent Inc. USA

Mr. Sam Bobrowicz
Application Engineering Manager,
Digilent Inc. USA

Ms. Sadiya Arshad
National Manager UPT

EXPERT MEMBERS FROM COREEL TECHNOLOGIES:

Mr. Ramesh Naidu
Zonal Manager

Mr. Sharath Kanth
Senior Application Engineer

Mr. Nagaraju
Application Engineer

ONE DAY WORKSHOP
ON

EMBEDDED LINUX ON ZYNQ-7000 SOC USING VIVADO

September 25, 2015

Organized By

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)
Affiliated to JNTUH, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2008 Certified
Maisammaguda, Dhulapally, Secunderabad – 500100,
Telangana State, India, Contact: 040-23792146/64634237,
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In Association With

DIGILENT BEYOND THEORY   **XILINX**

CoreEL Technologies
Enabling Excellence

ABOUT MRCET

Malla Reddy College of Engineering and Technology (MRCET) is approved by AICTE, New Delhi and affiliated to JNT University, Hyderabad. The MRCET College is offering B.Tech and M.Tech Programmes in the areas of Computer Science and Engineering, Electronics & Communication Engineering, Information Technology, Aeronautical Engineering, Mechanical Engineering, Civil Engineering, Mining Engineering and Master in Business Administration (MBA). The college also has UGC Autonomous status for both Engineering and Management Programs. The college also is accredited by National Board of Accreditation (NBA) and NAAC with 'A' Grade and is also recognized under UGC 2f & 12(B) Status. The Institution is certified with ISO 9001: 2008. The college is equipped with state of the art laboratories for all the departments, full–fledged training & placement cell, Industry Institution Interaction Cell etc,. The college has been ranked 'AAA' Grade among India's Best Engineering colleges-2015, Survey by Careers360 (Outlook Group).The College also ranked Fifth (5th) Among the Top Engineering Colleges of Excellence in Andhra Pradesh Competition Success Review (CSR) -2015. Ranked as one of the Best Engineering Colleges in India - Survey conducted by Outlook Magazine 2015. The College has taken initiative simultaneously progressing various Academic and Industry Collaboration agreements with foreign Universities such as University of New Orleans, USA, International Technological University, Silicon Valley, USA. University of Cambridge, ESOL Examinations (BEC), UK Institute of Technology, Blanchardstown, United Kingdom, Nalsar University, Hyderabad, and Cisco Systems for facilitating both student and faculty development programs in order to improve the quality of students education. We would like to mention here that our college is a life time member of NHRD, where we gain interactions and a lot of knowledge sharing with HR personnel of various reputed Industries and IT organizations which in turn helps update the standards of our students to match with the industrial requirements. The faculty having the synergy of excellence in application oriented teaching, research and consultancy experience in India and overseas. The experience faculty continuously Endeavour to impart the knowledge to groom the students into industry ready engineers.

ABOUT ECE DEPARTMENT

The Department of Electronics & communications engineering (ECE) was started in 2004, with intake of 60 & in due course the intake was increased to 240. The department has been accredited by NBA. We have been sanctioned Rs.30 lakhs for R & D projects under Research Promotion Scheme of AICTE. The Department is offering M.Tech courses in Systems and Signal Processing and VLSI& Embedded Systems. The Department has been organizing Tec fest named ELECTROSURGE every year and has also organized national level conferences named SPCOM. Several faculty development workshops in the area of ES, DSP, Image and Video Processing were organized by the department. Further Department has successfully organizing International conferences on Computing Communications, Systems and Applications every year. Department has recently launched a half yearly international Journal of Computing Communications and Systems (IJCCS). Department has established several student forums/Chapters in various professional societies viz, IEEE,IETE and ISTE . The Department has well established labs and well qualified and experienced faculty.

ABOUT CoreEL TECHNOLOGIES

CoreEL University Technologies is a CASPS technology company with business spread across design services & product development, distribution and training. Head Quartered in Bangalore, India, CoreEL is a leading provider of VLSI & Embedded Systems design services and IP. Since its inception in 1999. These services are offered to Defense and Aerospace, Telecommunication and Networking, Homeland Security, and Broadcast Video. CoreEL University Program: CoreEL University Program provides Eco-System support to Indian Academia in Engineering Higher Education, in the field of Embedded systems thereby enabling the delivery of quality education. CoreEL university achieves this by providing state of the art products from XILINX, MENTOR GRAPHICS, MATLAB, Ansys, VxWorks (WIND RIVER), Speedgoat, PCB Design Tools for Mentor Graphics Analog Discovery Kits from Digilent

ABOUT DIGILENT

Digilent Inc. is a leading electrical engineering products company serving students, universities, and OEM's worldwide with technology-based educational design tools. Based in Pullman Washington USA, Digilent designs, manufactures, and distributes its electronic design tools on a worldwide basis. Since its founding in 2000, Digilent products can now be found in over 2000 universities in more than 70 countries throughout the world. As a multinational company with offices in the US, Taiwan, China and Romania, Digilent is able to provide low-cost, expert quality solutions for a variety of customer needs. In addition to its own products, Digilent has OEM design and manufacturing services for leading technology companies including Xilinx, Analog Devices and Cypress Semiconductor.

OBJECTIVES OF THE WORKSHOP

❖ Analyze the basics of the Linux operating system and Embedded Linux concepts.

❖ Use the Xilinx Vivado and PetaLinux Tools to achieve a working embedded Linux kernel on a Zynq platform.

❖ Build and boot Embedded Linux applications on the ARM Cortex-A9 platform.

WORKSHOP SCHEDULE

Morning Session

• Introduction to Embedded System Design using Zynq

• Lab 1: Simple Hardware Design

• Zynq Architecture

• Extending the Embedded System into Programmable Logic

• Adding Your Own IP Peripheral

• Lab 2: Creating and Adding Your Own Custom IP

• Telecommunication IP cores access demo

Afternoon Session

• Introduction to Digilent and CoreEL

• Products offering from Digilent

• Embedded Linux Overview

• Lab 3: A First Look

• Compare and contrast embedded Linux on Xilinx ZynqSoC and Linux on desktop.

• Introduction to PetaLinux Tools

• Demo for Analog Discovery on Zeboard

All participants will be provided with course material, learning aid and lunch.

REGISTRATION PROCESS:

Faculty from Institution: Rs. 300 /-

Industry participants: Rs. 1,000/-

Please send the completed registration form with a scanned copy of the DD in favor of "MRCET Technical Fund", payable at Hyderabad on or before September 20, 2015. Registration Fee includes workshop kit and lunch. Certificate will be issued to all participants.

CONTACT US:

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VENUE: MRCET AUDITORIUM
www.mrcet.ac.in

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

Maisammaguda, Dhulapally, Secunderabad - 500100, Telangana State.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Certificate of Participation

This is to certify that Dr/Prof/Mr/Ms_____

working in _____has attended Workshop on

"EMBEDDED LINUX ON ZYNQ-7000 SOC USING VIVADO" organized in association with CoreEL

Technologies, Hyderabad and Digilent Inc., USA   September 25, 2015.

For CoreEL Technologies   Head   Director   Principal

CoreEL
Technologies

Work shop on Embedded Linux on Zynq-7000 SOC using Vivado