

TWO DAY NATIONAL LEVEL WORKSHOP ON PYTHON PRODUCTIVITY FOR ZYNQ ALL PROGRAMMABLE SYSTEM ON CHIP USING PYNQ

17.10.2019—18.10.2019

ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MUTHAYAMMAL ENGINEERING COLLEGE (AUTONOMOUS)

RASIPURAM-637408

&

COREEL TECHNOLOGIES PVT LTD, BANGALORE



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Coordinators

Mr. T. Suresh Babu, Assistant Professor, ECE

Mr. S. Bhoopalan, Assistant Professor, ECE

Ms. J. Jeevarekha, Assistant Professor, ECE

RESOURCE PERSONS

Mr. H. Balachander,
Technical Manager UPT,
Coreel Technologies Pvt Ltd, Bangalore

Mr. V. Senthil Murugan
Manager—University Relations
Coreel Technologies Pvt Ltd, Bangalore

REGISTRATION FEES

Students (UG & PG) : Rs. 300/-

Faculty Members : Rs. 500/-

DATES TO REMEMBER

Last date : 04.10.2019

Date of intimation : 07.10.2019

Confirmation : 12.10.2019

For More Details,
Mr. S. Bhoopalan M.E.,
Coordinator – Workshop,
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For Registration,
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MEC

Muthayammal Engineering College, established in the year 2000 and committed to uplift the rural community educationally in a stimulating learning environment. It is a co-educational self financing institution approved by AICTE, New Delhi and affiliated to Anna University. It offers 10 U.G. Programmes and 6 P.G. Programmes to cater to the needs of over 3000 students from various parts of our country and abroad. The college has got NBA accreditation for 4 UG programmes. It is accredited by the IT giants such as Tata Consultancy Solutions, WIPRO and Cognizant Technology Solutions. It stands ahead as one of the elite group of Technical Institutions in Tamilnadu, for its: Innovative practices in Teaching-Learning, Consistent Academic Result, The Best Infrastructure-well-equipped Classrooms & Laboratories, fully Networked Computing, Resourceful Library etc, Industry focused Training & Placement activities, Skills development thro' various Knowledge-Sharing Platforms, Continuous evaluation of teachers & students' performance and corrective measures, On-campus availability of Value Added Courses – EMC2, CISCO, ORACLE, JAVA, RED HAT, BEC, C, C++, and Special Coaching for TOFEL, GRE, CAT, GATE

ECE

The Department of ECE has 36 highly qualified and experienced faculty members with various specializations. The Department has well equipped laboratories such as Electronic Devices and Circuits Lab, Communication Systems Lab and Digital Signal Processing Lab. The department is also awarded the center of excellence for Research and Advanced studies by Anna University, Chennai. The department is offering B.E. in ECE and M.E. in VLSI Design and M.E. in Communication Systems. The department is having industry related laboratories such as Texas Instrumentation Lab and Wipro Research lab.

COREEL TECHNOLOGIES

CoreEL Technologies is a Customer Application Specific Product & Solutions (CASPS) company offering INNOVATIVE solutions from its diverse portfolio of expertise that includes Intellectual Property (IP) cores, System Design, Manufacturing, Sustenance and OEM solutions in the form of EDA tools, CAE tools, COTS products and Technology training. The distribution services encompass a range of products and solutions for the electronic design and embedded systems arena. CoreEL is the authorized representative in India for many leading global technology players. We offer a comprehensive portfolio of advanced EDA tools that enable you to make the most of your resources. Develop smaller, faster, cost-effective and intelligent next-generation electronic products. The CoreEL University Program brings world class design suites, development platforms & tools and technical support to academia community. 'Sandeepani - School of Embedded System Design' - a premier institute for higher learning in embedded system design and VLSI technologies. Sandeepani delivers courses for working professionals (corporate trainings) and students (professional development courses). Sandeepani is an Authorized Training Partner for Xilinx, Mentor Graphics, Ansys and 3D printing technology.

OBJECTIVES

- To train the candidate in the important area of industrial relevance through academic and industrial experts
- To provide hands on experience on the usage of various tools, models, methodologies and techniques
- To provide comprehensive idea of various industrial best practices in the field and make them adapt in their academic curriculum as case studies
- To emphasize the pedagogy of learning by doing with exposure to the state of the art commercial tool for verification purpose
- To provide them comprehensive ideas of various verification techniques used at Pynq.

COURSE CONTENTS

- Introduction to SoC Architectures
- PYNQ Project & Pynq framework
- Jupyter Notebook Interface & Ipython
- Overlays and Hardware Design
- Interfacing with peripherals and sensors
- Pynq IOPs logictools overlay
- Overlay design methodology

