

Two Days Faculty Development Programme
on
“MICROCONTROLLER AND
EMBEDDED SYSTEMS”
24th and 25th JAN 2020

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- Members** : Prof. Sayeesh
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**Alva's Institute of Engineering &
Technology**
Shobhavana , Mijar, Moodbidri – 574225
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Faculty Development Programme on
“MICROCONTROLLER AND
EMBEDDED SYSTEMS”
(As per VTU 2018-19 Scheme (18CSL48))



In Association with VTU and CSI

24th and 25th JAN 2020
Early Bird Registration: Rs 500 /-
Register on or before 31st Dec, 2019

Key Note Speaker

Dr. Shivayogi B Ullagaddi
Special Officer,
Visvesvaraya Technological University,
Belagavi.

Resource Person

Prof. Mohan Kumar J
School of Information Sciences
Manipal Academy of Higher Education

Technical Support

Mr. Sriram, Manager
ESA Sales, Bangalore

Organized By

Department of Computer Science and
Engineering

Alva's Institute of Engg. & Technology

“Shobhavana Ca”, Mijar, Moodbidri-574225

Mangalore, D.K., Karnataka

Phone: 08258 – 262724, 262725, 262726

Registration Fee: Rs. 600/-
Last Date for Registration: 10/01/2020



ALVA'S INSTITUTE OF ENGG. & TECHNOLOGY

ALVA'S Education Foundation Alva's Institute of Engineering and Technology, Mijar, Moodbidri is a premier Engineering Institute of Alva's Education Foundation, established in the year 2008, located adjacent to Mangalore-Sholapur National Highway, which is 24 Kms from Mangalore International Airport. The college is recognized by All India Council for Technical Education (AICTE), New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi. The college is ranked as one of the best Technical Institute in South Canara region. The institute offers under graduate programs in 5 branches of Engineering – Computer Science & Engineering, Civil Engineering, Electronics & Communications Engineering, Information Science & Engineering, Mechanical Engineering. Computer Science & Engineering, VLSI Design & Embedded Systems. Seven departments at the institute has been recognized as research centers by Visvesvaraya Technological University, Belagavi.

Department of Computer Science & Engineering

Department of Computer Science and Engineering started functioning from the year 2008, with an intake of 60 and has enhanced to 120 from academic year 2012-13. The Post Graduate course, M.Tech in Computer Science and Engineering, was introduced from the academic year 2012-13 with an intake of 18 students. Department is recognized as a research centre from VTU. Faculty members are actively involved in co-curricular and extracurricular activities with association and professional bodies like CSI/ISTE. Department of Computer Science & Engineering has always been on a high growth and path since its establishment. To keep pace with latest technologies, department has employed experienced and dedicated faculty with strong commitment towards research work. The department is dedicated to education, research and overall excellence. For skill development Department have highly equipped add-on labs like Envision lab, Innovation Lab and iOS Lab.

The students are well placed in reputed industries as well as continuing higher education in the premier institutes. The Department of CSE organizes various events such as workshops, Seminars, Technical talks, delivered by eminent resource persons from academia & industry, who have excelled in their field.

The department regularly conducts special courses on advanced topics. Department of CSE encourages the faculty and students for participating in research activities for enhancing their subject knowledge and acquire information regarding current trends.

VISION OF THE DEPARTMENT

"Engendering competent, excellent professionals by transforming the knowledge and computing skills to individuals through modern innovative tools and techniques"

MISSION OF THE DEPARTMENT

- To produce skilled, creative software developers through rigorous training.
- To conduct specific technical courses to keep abreast to the latest technological developments and transformations in the domain.
- To implement the ideas of research and innovations in interdisciplinary domains.
- To establish Industry-Institute Interaction programs to enhance the skills of employability and entrepreneurship.

PROGRAM SPECIFIC OUTCOMES

A graduate of the Computer Science and Engineering Program will exhibit:

PSO1: Professional Skills: The ability to understand & implement the computer programs in the areas of Computer Architecture, System Software, Database Management Systems, Web Design, Multimedia and Computer Networking.

PSO2: Problem-Solving Skills: The ability to solve real-world problems by suitable mathematical model with strong technological concepts in rapidly growing arena of computer technology.

PSO3: Successful Career and Entrepreneurship: Knowledge in diverse areas of Software Engineering and Management & Entrepreneurship for IT Industry, conducive in cultivating skills for successful career development.

PROGRAM EDUCATIONAL OBJECTIVES

The graduates of Computer Science & Engineering will able to

PEO1: Exhibit fundamental strength in core courses of Computer Engineering to solve the problems of computing world.

PEO2: Adapt and contribute the emerging technological changes.

PEO3: Employed in computing profession or engaged in learning to pursue higher studies.

FDP OBJECTIVES

Learning Objectives:

This FDP (18CSL48) will enable us to:

- Develop and test Program using ARM7TDMI/LPC2148
- Conduct the experiments on an ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler.
- To gain experience in programming languages that are used in current industrial practice.
- To promote innovative projects and patent them for commercialisation.

Laboratory hands-on Outcomes:

Should be able to:

- Develop and test program using ARM7TDMI/LPC2148
- Conduct the various experiments on an ARM7TDMI/LPC2148 evaluation board using evaluation version of Embedded 'C' & Keil Uvision-4 tool/compiler.

TARGET AUDIENCE

The FDP is open for the participants **from academia and industry**. Number of participants will be limited to 30. The selected participants will be informed of their selection by e-mail.