FIVE DAYS FACULTY DEVELOPMENT PROGRAMME (FDP)
On
LOW POWER EMBEDDED SYSTEMS DESIGN
USING
TI MSP 430 MICROCONTROLLER DEVELOPMENT TOOLS
(10th – 14th March 2020)
Organized by
Department of Electronics & Communication Engineering
Vaagdevi College of Engineering, Warangal
An Autonomous Institution
In Association With
Texas Instruments
(Empowered by M/s. EdGate Technologies Pvt. Ltd., Bengaluru)

Preamble
The Texas Instruments University Program is an intersection between Texas Instruments technology, educators and the engineers of tomorrow. Our advanced analog and embedded processing technologies fuel the passions of students and educators in university labs worldwide. Established in 1982, the Texas Instruments University Program is a global program dedicated to supporting educators, researchers and students in facilitating the inclusion of Texas Instruments analog and embedded processing in engineering classrooms, teaching and research labs, textbooks, design projects and course curriculum.

As part of this initiative, five days Faculty Development Programme on Low Power Embedded Systems design using TI MSP 430 Microcontroller Development Tools is being conducted at Vaagdevi College of Engineering, Warangal for the Student members of Engineering, MCA and other allied Engineering colleges.

Major Course Contents
- Introduction to MSP430/TI VAC/CC3200/ architecture
- Configure MSP430 LaunchPad to use on-board Switch in polling method
- Configuration of Basic Clock system
- Interface 16x2 LCD to MSP430 LaunchPad
- Introduction to MSP430 Watchdog Timer (WDT)
- Design of Sensor node and hub to send and receive data using CC110L Boosterpack
- Overview of Energia
- IOT and TCP/IP, Internet terminologies
- Design of Embedded server
- Control LaunchPad using Google Assistant
- Overview of MQTT protocol, MQTT Programming
- Implementing a System that sends notification to mobile phone.

Registration Fee Particulars
- Faculty members: Rs. 250/-
- Research Scholars: Rs. 400
- *Registration fee includes participation in the FDP and welcome kit.

No Lunch will be provided.

Accommodation
No Accommodation and TA/DA will be paid to the participants.

How to apply
Participants are requested to register by filling up an online registration form provided at www.vaagdevi.edu.in under announcements.

Selection Criteria
Selection will be done based on first-come-first-serve basis to a maximum number of 30 (Thirty). The list of selected participants will be intimated through SMS/E-mail. Candidates will be issued certificates on successful completion of the course.

Mode of Payment
Selected participants need to send a crossed demand draft (DD) drawn in favor of “Principal, Vaagdevi College of Engineering Warangal” and payable at Warangal.

Important Dates
- Last date for application: 05th Mar 2020
- Intimation of Selected members: 06th Mar 2020
- Last date for payment: 07th Mar 2020
- Duration: 10th – 14th Mar 2020

About the Institute
Vaagdevi College of Engineering is an autonomous and NAAC ‘A’ accredited institution encouraging creativity and quality in teaching and learning processes for the intellectual growth of its students. It was established in the year 1998, with the aim of providing high quality education at VCE, we weave new perspectives in the strands of day-to-day work, we evolve the willingness to do things differently and visualize the world in a different panorama that drives our students to exhibit creativity. Vaagdevi College of Engineering has five Engineering Departments EEE, ECE, CSE, ME& CIVIL. The college runs several PG programs (i) Power Electronics (ii) Thermal Engineering (iii) Software Engineering (iv) Computer Networks & Information Security (v) VLSI System Design (vi) wireless & mobile communications apart from MBA & MCA.

About the Department
The department of Electronics & Communication Engineering at Vaagdevi College of Engineering has a top level quality assessment rating for teaching and reputation for research. It was established since inception of the college. The department is providing guidance to produce highly qualified engineers and researchers who shall contribute for the growth of Electronics & Communication Engineering has a student’s strength of nearly thousand and a guided by a team of devoted and diligent staff members. The laboratories are equipped with the state of art equipment in VLSI System Design, DSP, Microwave, Analog & Digital Communication Systems, and Wireless Communication & Microcontrollers.

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