DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Faculty Development Programme from 31/7/17 to 5/8/17

The department of Electronics and Communication Engineering, MVJ College of engineering conducted an **Faculty Development Programme(FDP) on " NI LabVIEW Graphical Programming and Real Time System Design using Tiva C Series"** in association with Telos Technologies. This FDP is planned for one week to enhance the coding skills on Texas Instruments TIVA-C series processors and LabVIEW software. On first two days, Mr. Mahesh (speaker) fromTelos technologies Pvt ltd (Texas Instrument's university program partner) gave the hands on-training on Texas Instruments TIVA-C series processor (TMC123C). The next four days CLAD trainers of MVJCE gave the hands on training on LabVIEW. The detailed report about the FDP is given as below:

Day 1 :
Inaugural function was held at 8.30am in the DSP Laboratory. The Event coordinators Mrs. Aparna, Mr.ShaikKareemulla, Mrs.I.ThangaDharsni welcomed the Vice Principal Mrs.M.Brindha, the speakers Mr,Mahesh and Mr,Vivekand participants of the FDP.

On Session-1, Speaker gave brief introduction about the Texas Instrument's Tiva kit and ARM processors

On Session-2, Speaker explained about the TIVAWARE Code Composer studio (CCS) software, Energia software and gave the training on how to configure the CCS with the TIVA-Cseries TMC123G kit.

On Session-3, Speaker gave the details about General Purpose IO pins in the TIVA-C series TMC123G processor and hands on training are given to the faculties to configure the CCS with the TI's processor kit.

On Session-4, Faculties executed programs like LED blinking, interfacing potentiometer, generating interrupts, interfacing dc motor in the TIVA-C series TMC123G processor kit with the use of CCS software.
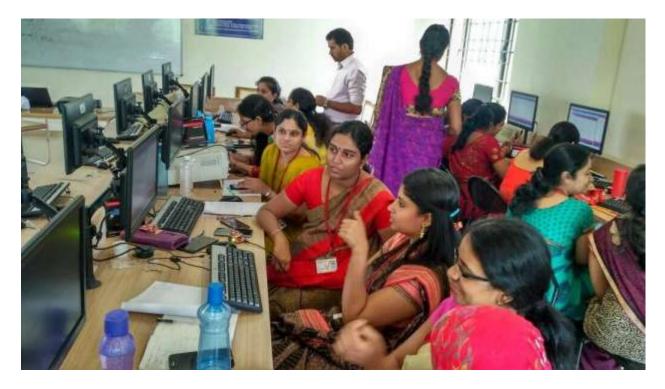

Day 2:
On session -1, Speaker explained about the booster pack kit which contains the set of sensors. The steps of configuring the booster pack to TIVA C-series were also explained.

On session -2, Interfacing of temperature sensor,accelerometer, humidity sensor were explained and executed by the faculty members.

On Session -3, Speaker explained about the Energia software and programs were executed using the same.

On session – 4, Hands on training was given to the faculty members on TIVA's IOT Sensors.

Day 3:

The CLAD trainers Mrs. Aparna and Mr. Kareemulla of MVJCE started with the introduction of Virtual Instrumentation (VI) and gave hands on training on the basics of LabVIEW and the programming structures in LabVIEW.

Day 4:

They have explained about programming using loops (i.e., while, for, etc), case structure, arrays and strings in LabVIEW software.

Day – 5

They explained about the Sub VI and how to debug a program in LabVIEW.

Day – 6

They have explained about the ELVIS II+ using LabVIEW.