

## Report

Professor Summit & Short Term Training Program

on

**“Embedded System Design using AVR & ARM based MCUs”**

30 March – 3 April 2015

Department of Electronics and Telecommunication organized Professor Summit & Short Term Training Program on “Embedded System Design using AVR & ARM based MCUs” during 30 March – 3 April 2015. The program was jointly organized with Atmel R&D India Pvt. Limited under Atmel India University Program. It focused on Embedded Systems, its Programming and Applications.

The program was inaugurated on 30th March at 11am in presence of Mr. Mohan Late as Guest of Honour. Mr. Late an alumni of MIT, is active in Embedded programming and Internet of Things space. Mr. Ketan Patel and Mr. Chitan Khambholja from Edutech Learning Solutions Pvt. Ltd were also present for the event. Dr. G.N. Mulay, Head of E & TC welcomed the guest and participants. He briefed about the importance and objectives of the event. This was followed by keynote address by Mr. Late, who detailed importance of IoT and embedded systems.



First day of STTP Started with session conducted by Mr. Chintan on very important topic of Embedded Linux. It was a interactive session attended by nearly 40 participants. This session

was followed by a session on Introduction to ARM9 and Embedded Linux by Mr.Ketan Patel. On second day Experts from Edutech covered ARM9 Hardware , Booting procedure of Embedded Device and Configuring Linux for ARM9 target. Extensive hands on training was given on ARM9 kits .

Day3 started with Inauguration of Professor Summit , Mr. Vinod Khera ,University program Maneger ,ATMEL was present on this occasion along with his team Ms. Eshwarya , Mr.Yuvaraj, Mr.Vijay from Atmel Chennai.



Atmel 8-Bit Microcontrollers was explored on third day. Design Using AVRXPLAIN A3BU was detailed with hands on experience to the participants. Day4 uncovered SAM- D20 .Starting with Overview of Architecture ,hands on training was imparted to participants on the kits .

Day5 was exclusively for the Atmel Embedded Design Contest (“AEDC-2014”) which aims to inspire engineering students to showcase their embedded design skills and help them to design and develop novel embedded design applications based on Atmel MCU kits Atmel Xmega-A3BU Xplained, and SAM D20 Xplained Pro evaluation kit. The applications include energy harvesting, robotic design, bio-medical,automotive, solar and security. 12 teams from all over country showcased their Projects. Every Presentation was followed by question answer session and Hardware demonstration.



Mr. Suraj Mukundrajan ,Managing Director,Atmel was present throughout the day. He was welcomed by Principal Dr. L.K. Kshirsagar and Dr.Mulay.



Prizes were given to three Best Teams. Program ended with Vote of thanks. The members of the organizing committee worked hard to make the program a grand success.



Participants with Team ATMEL and Organizing Committee

Ms.H. D. Zodpe

Mrs. S. Y. Kukade  
Event Coordinators

Dr.(Mrs) V.V.Gohokar  
Co-convener