THRUSANG-14

A National Level Technical Fest

Workshop on "DESIGN OF EMBEDDED SYSTEMS USING PIC-MICROCONTROLLER"

THRUSANG-14, A two day National Level Technical Fest was organized by the students of Electronics and Computer engineering Department under the roof of a noteworthy student association called ESSENCE on 26th and 27th of September. THRUSANG this year has come up with a theme "PANORAMIC DEVELOPMENT THROUGH INDUSTRIALIZATION".

Workshop on "DESIGN OF EMBEDDED SYSTEMS USING PIC-MICROCONTROLLER" aims to develop an Embedded Systems using MCU's right from the scratch. This workshop covers the concepts which prove to be the basic building blocks of embedded systems and enables the students to develop a project based on the controllers in just two days. Along with this student will learn PIC microcontroller Architecture.

Resource person: **Mr. A .Naveen from Prayog labs, Hyderabad**

In this workshop the resource person told about introduction about Microcontrollers (MCU) and Architectural aspects, Brief Introduction to the concepts of Digital vs Analog Inputs and outputs, Types of Memories, The Flow code Process. Running the Program, Atmega MCU – Architecture, Clocking your MCU Device, Basic Flow Code Functions, Digital Outputs adding Led's, Digital Inputs adding sensors Basic loops adding LED Arrays, switch and Delays, The LCD Displays, GOTO (connecting points), 7-Segment Displays, Software Macros, Strings and memories, using the ADC.

Students working in the workshop PIC Controllers at Room No: C625