DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
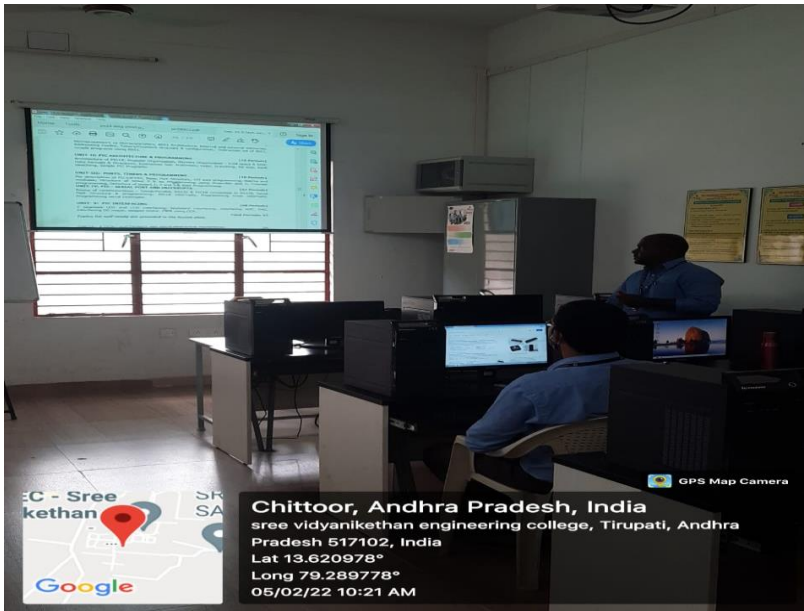
One Day Hand on Training on
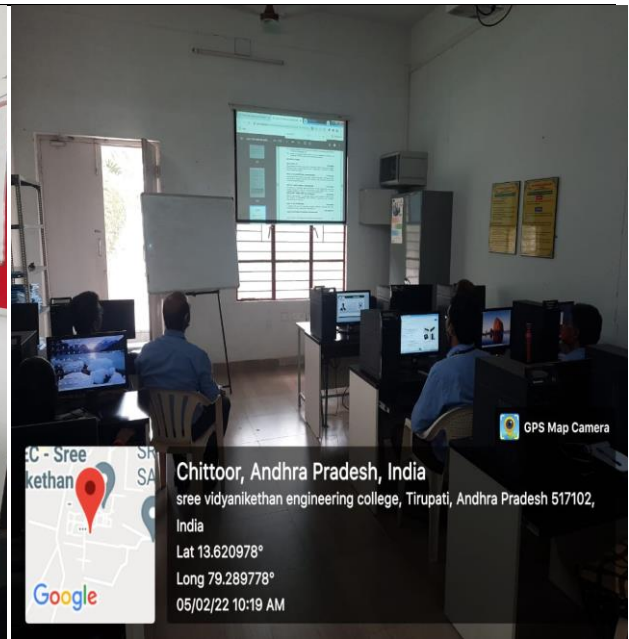## PIC Microcontrollers for System Design

Report

Department of ECE conducted Hands-on Training Faculty Orientation Program on PIC Microcontrollers for System Design on 05.02.2022 in association with EIE to orient the faculty members to take up the Microcontrollers course introduced in SVEC19 regulations on PIC Microcontrollers. The program was initiated by the emphasis on the importance of the course in industrial perspective by Dr. N. Gireesh, HOD, ECE Department. The Resource person, Mr. G. Hemanth Kumar, Cyber Security and IoT Enthusiastic, Training Manager & Assistant Professor, Dept. of EIE, Sree Vidyanikethan Engineering College took on the session and introduced participants the architecture of PIC18F452 from designer's perspective. A detailed presentation on the data sheet of the PIC18F members was brainstormed with the participation of the faculty. A correlative study in comparison of the architecture with other competent microcontrollers was made. Resource person introduced participants to install and work on MPIDE 5.3 for simulating various PIC Assembly language instructions. Hands on training on the open source IDE was handled by the resource person clarifying their queries associated with the datasheet interpretation.

Participants practiced solving various model problems based on arithmetic, logical and decision making tutorials in the second session. Faculty gained confidence in handling the theory and practical courses by the end of the program. A total 20 faculty members from ECE department attended the program.

The following are some of the snapshots of the event:

Resource Person elucidating the course contents

Participants interpreting the data sheets of PIC Microcontrollers

Coordinator