



Workshop
On
“Programming with ARM Cortex-M3 Microcontroller”

- **Event Date:** 12th March 2018
- **Venue :** Sathyendra Nath Bose Seminar Hall and AM Lab, Department of ECE, RRCE, Bengaluru
- **Workshop Objective:** The student will gain knowledge on Embedded System and ARM-32 bit microcontrollers, Overview of ARM COTEX M3 Architecture, Hands on session with ARM Cortex M3 LPC1768 Evaluation board, Usage f ARM Kit, Installation of Kiel-4 Software. This will be an important inclusion in the students Academics and to do UG Projects.
- **Resource Person:** Mr. Madan Kumar, Technical Engineer, Micolabs Pvt. Ltd. Bangalore.
- **Target Participants:** U.G Sixth Semester students of Electronics & Communication Engineering
- **Number of students registered:** 84
- **Outcome of the workshop:**
 - Understand the architectural features and instructions of 32 bit microcontroller ARM Cortex M3.
 - Apply the knowledge gained for Programming ARM Cortex M3 for different applications.
 - Understand the basic hardware components and their selection method based on the characteristics and attributes of an embedded system.
 - Develop the hardware /software co-design and firmware design approaches.
 - Explain the need of real time operating system for embedded system application