REPORT ON SEMINAR ON OVERVIEW ON REAL TIME SYSTEMS

The Department of Electronics and Communication Engineering organized a seminar on "Overview on Real Time Systems" for III B.Tech ECE Students on 29.03.2019. Mr.B Vijay Krishna, Analyst, Bank of America, Hyderabad was the resource person for the seminar.

Mr B Vijaya Krishna started his lecture by introducing the term "Embedded system" to the students, he said that "An embedded system is a controller programmed and controlled by a real-time operating system (RTOS) with a dedicated function within a larger mechanical or electrical system, often with real-time computing constraints." during his lecture.

He also discussed the differences between an embedded system and conventional computer system and also briefed on various embedded systems like automated washing machines, digital cameras etc.

The resource person also discussed about the characteristics of embedded system like Speed, Power, Reliability, Accuracy etc. He focused his entire discussion Real time system which means that the system is subjected to real time, i.e., response should be guaranteed within a specified timing constraint or system should meet the specified deadline.

In 2nd part of his lecture he discussed about RTOS Concepts, "A real-time operating system (RTOS) is any operating system (OS) intended to serve real-time applications that process data as it comes in, typically without buffer delays" he stated during the program.

He covered various topics on RTOS like Scheduling algorithms, Inter task Communication, Resource Sharing, Memory Allocation etc.

EVENT PHOTOS:

HOD-ECE introducing resource person to the students

Resource Person delivering the lecture

Students listening to the lecture

Resource Person interacting with the students

HOD-ECE and coordinator presenting memento to the resource person