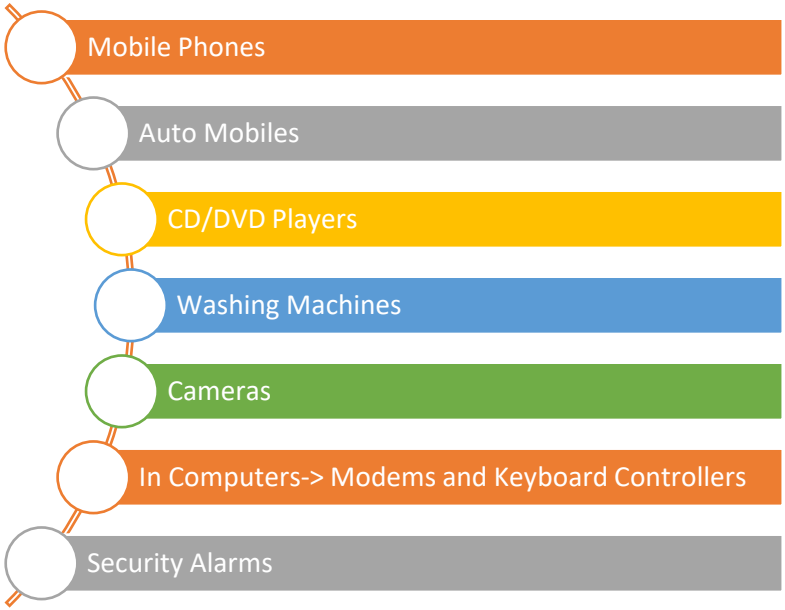
Open Elective Course

Electronics and Communication Engineering

MICROCONTROLER [18EC654]

A microcontroller (MCU for microcontroller unit) is a small computer on a single metal-oxide-semiconductor (MOS) integrated circuit (IC) chip. A microcontroller contains one or more CPUs (processor cores) along with memory and programmable input/output peripherals. Microcontrollers can allow for changes in circuit behaviour through modifying a single line of code. Without a microcontroller, many circuits wouldn't be physically impossible because the only way to obtain modification would be to swap out components in a circuit. Thus, microcontrollers make life much easier.

Applications of Microcontroller



CAREER OPTIONS

- Embedded Software Engineer (firmware)
- System Software Engineer (kernal & RTOS)
- Application Software Engineer (device drivers)
- Software Test Engineer
- Embedded Hardware Engineer
- Embedded System Trainer
- Marketing & Sales Executive

Industries Leaders in Sensors and Signal Conditioning

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