Chapter 1 general Embedded

What is an embedded system

10 - embedded systems

Mobile phone
Projector
MP3 player
Calculator
FM wave

Camera
Monitor
Scopes
Digital watch
Car

CAN bus \rightarrow Communications
in an automobile

Security

Why embedded?
Reduce Cost
More functionality
To make an embedded System

Engineer → Computer
           Electrical
           Mechanical
           Systems
           Manufacturing

Requirements → what we will make
               when we are done

Design - Specification
          High Level
          Low Level
          Implementation
          Test
          Delivery/Manufacturing

Fast → microcontroller → Program → PCB

Slow → Integrated Circuit

25,000,000 qty