

MCA 406A: Embedded System

Examples of Embedded systems and Typical hardware

Hardware Fundamentals for Software Engineer and Advanced Hardware Fundamentals
Interrupts and Survey of software architectures. Introduction to RTOS and More Operating
System Services Basic Design using RTOS

Embedded Software development tools and Debugging Techniques

TextBooks:

1. An Embedded Software Primer, David A. Simon, Pearson Education, Inc., 1999
2. Embedded Real Time Systems programming, Sriram V Iyer and Pankaj Gupta, TMH, 2004

ReferenceBooks:

1. Embedded Systems Design—A Unified Hardware/ Software Introduction, Frank Vahid/ Tony Givargis, John Wiley & Sons, Inc., 2002
2. Embedded Systems, Architecture, Programming and Design, Raj Kamal, TMH, 2003