

# Prerequisite Glossary

You should be familiar with the following concepts as prerequisite to the first unit. The list is meant to refresh your memory.

If you are not familiar with these concepts, then it is recommended to study the module (Background to CS5803.module1) before you proceed further.

# Prerequisite Glossary

- Combinational logic
- Sequential logic
- Computer
- Arithmetic and Logic Unit (ALU)
- Central Processing Unit (CPU)
- Control Unit (CU)
- Input/output Unit
- Assembly Language
- Assembly Instruction
- $\mu$  operation
- Assembler
- Translator
- Compiler
- Register Transfer Language (RTL)
- Register Transfer Logic
- Microprocessor
- Embedded processor
- Primary memory
- Secondary memory
- Instruction Cycle
  - Instruction Fetch Cycle
  - Instruction Execute Cycle

# Prerequisite Glossary

- Some Performance Metrics
  - Response Time
  - Throughput
  - Performance
  - MIPS
  - MFLOP
  - Average Execution Time
  - Harmonic Mean
  - Weighted Execution Time
  - Weighted Harmonic Mean