Prerequisite Glossary

You should be familiar with the following concepts as prerequisite to the second 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.module3) before you proceed further.

- Number representation
  - Signed Magnitude numbers
  - 1s complement numbers
  - 2s complement numbers
  - Floating point numbers
- Basic ALU design
  - Serial/Parallel/Modular ALU
- Binary adder/subtractor
- Basic multiplication
- Booth's multiplication
- Basic division
  - Divide overflow
  - Restoring Method
  - Non-restoring method
  - Direct comparison
- Arithmetic operations on floating point numbers