

## **Assignment-1**

- 1) Explain following in detail:
  - a. Waterfall model
  - b. RAD model
  - c. Incremental model
  - d. Spiral model
  - e. Agile model
  - f. Iterative model
  - g. Prototype model
- 2) What is Software engineering?
- 3) Explain software characteristics.
- 4) Explain software as a layered technology.
- 5) What is software process flow? Explain it in detail.
- 6) Explain generic and umbrella activities.
- 7) What is process? Differentiate process and product.
- 8) What is requirement engineering?
- 9) List out various non-functional requirements.
- 10) What is functional and non-functional requirements?
- 11) Explain SRS in detail.
- 12) Explain requirement elicitation with its different method.
- 13) Give classification of UML.
- 14) Explain following relationship:
  - a. Generalization
  - b. Aggregation
  - c. Multiplicity
  - d. Association
  - e. Dependency
  - f. Composition
- 15) Explain class diagram with example.