

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA**  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**Assignment Questions**  
**Subject: Software Engineering**

**Assignment -1**

1. Explain the nature of software and its characterizes.
2. Explain Software Myths.
3. Explain the unique nature of WebApps.
4. Explain Software Process, Software Engineering Practice.
5. Explain the importance of Umbrella Activities
6. Explain Incremental Process Models
7. Explain Evolutionary Process Models
8. Explain the Unified Process
9. Explain Prototyping Model and Spiral Model
10. Explain Personal and Team Process Models

**Assignment Questions -2**

1. What is the difference between requirements analysis and specification? What are the important activities carried out during requirements analysis and specification phase? What is the final outcome of the requirements analysis and specification phase?
2. What are the goals of the requirements analysis and specification phase? How are the requirements analysis and specification activities carried out and by whom?
3. Discuss the important ways in which a well formulated SRS document can be useful to various stakeholders.
4. What is the difference between the functional and the non-functional requirements of a system? Identify at least two functional requirements of a bank automated teller machine (ATM) system. Also identify one non-functional requirement for an ATM system.
5. What do you mean by the terms cohesion and coupling in the context of software design? How are these concepts useful in arriving at a good design of a system?
6. What do you mean by a modular design? How can you determine whether a given design is modular or not?
7. Enumerate the different types of cohesion that a module in a design might exhibit. Give examples of each.

