

# RUSTAMJI INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

## ASSIGNMENT – I

### SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

Date of assignment: 14 Mar 2014

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1. What do you think of term 'software evolution'?
2. What are the technical and non-technical requirements for being a software engineer?
3. Explain the social responsibilities associate with the profession of software engineering.
4. What are driving factors that determine the cost of any software?
5. What should be a better process quality standard of CMM and ISO for software development organizations?
6. Compare throwaway prototype and exploratory prototype models.
7. Explain iterative enhancement software process model. What are the differences between iterative enhancement software process model and prototyping model?
8. What are the differences between prototype and software versions?
9. What is capability maturity model (CMM)? Explain its structure and its importance in software industry.
10. If software does not wear out, why does it deteriorate?
11. What do you mean by version control and? Why is it considered an important activity in large software projects?
12. What do you mean by software measurement and why is it required?
13. What is an indirect measure and why are such measures common in software metrics?
14. What are common quality metrics for software?
15. What is McCabe's cyclomatic complexity? Why is it important to compute cyclomatic complexity of a procedure?