



Department of Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:

- To encourage young minds for training & entrepreneurship.
- To convey standard education with a rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Subject Name: Software Engineering (22413)

Date :-

Assignment No :-1

Course Outcome: S/w process model development

Topic Name :- Software Development Process (C402.1)

Q.1 Describe the characteristics of software.

Q.2 Explain software engineering as a layered technology approach.

Q.3 Difference between waterfall model & incremental model.

Q.4 Explain the nature & general steps of Spiral Model ,with a neat diagram

Q.5 Differentiate between prescriptive process model & agile process model.

Date of Submission :-

Assign By :- Kirti Karande



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Assignment No :-2

Course Outcome: S/w requirement specification

Topic Name :- Software Requirement Engineering (C402.2)

Q.1 What is SRS? Explain its importance. Also give framework of SRS with example.

Q.2 State & describe principles of communication practices.

Q.3 Describe in detail principles of good planning.

Q.4 Explain Deployment principles.

Q.5 Draw Use Case diagram of Library System.

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Assignment No :-3

Course Outcome: S/w modeling for data design

Topic Name :- Software Modeling & Design (C402.3)

Q.1 What is DFD? Draw DFD for Hotel Management System.

Q.2 Differentiate between Validation & Verification.

Q.3 Explain Analysis Modeling with neat & clean diagram.

Q.4 Explain White Box testing in detail.

Q.5 What is Unit Testing? What aspects of the software are tested in Unit testing.

Q.6 Differentiate between Top-Down approach & Bottom- Up approach.

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Assignment No :-4

Course Outcome: Estimate size & cost of s/w

Topic Name :- Software Projection Estimation (C402.4)

Q.1 Describe RMMM strategy in detail.

Q.2 What is SPM? Why it is needed.

Q.3 Explain Risk Management w.r.t. following terms

a) Risk Identification b) Risk Analysis c) Risk Prioritization

Q.4 Explain Project ,People & Process factors in software management spectrum.

Q.5 Explain COCOMO model in detail.

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Assignment No :-5

Course Outcome: Project Management & QA

Topic Name :- Software Quality Assurance & Security (C402.5)

Q.1 Differentiate between ISO & CMMI

Q.2 Define : Software Reliability , Software Availability.

Q.3 Explain CMMI with its levels & neat diagram.

Q.4 Describe six sigma for software engineering.

Q.5 Differentiate between PERT & CPM.

Q.6 Explain the concept of Gantt chart.

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