



DEPARTMENT OF INFORMATION TECHNOLOGY(IF)

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 rapidly changing environment with ethical values. · To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology

Date :- 17/01/24

Course Title :- Software Engineering (22413) Sem-IV (2023 -24)

Course Outcome :- CO

Chapter Name :- Software Development Process.

Assignment No:-01

Q.1 Define Software and Explain the different types of software.

Q.2 Draw and explain Software Development Process..

Q.3 Explain the Adaptive Software Development with Diagram..

Q.4 What is RAD Model with Neat labelled Diagram..

Q.5 Explain Framework activities with Waterfall Model.

Assigned by: Mrs. Nutan Purkar



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Course Title: - Software Engineering (22413) Sem-IV (2023 -24)

Course Outcome: - CO

Chapter Name: - Software Requirement Engineering

Assignment No:-02

Q.1 what is SRS. State the Need of SRS.

Q.2.Describe any four Core Principles of Software Engineering Practices.

Q.3.Star and draw Symbols used in Use Case Diagram.

Q.4 Sketch Use-Case diagram for ATM machine with minimum 4 Use cases and 2 Actors .

Q.5 Describe any four principles of good Planning.

Q.6 Sketch Use-Case diagram for library management system with minimum 4 Use Cases and 2 Actors.

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Course Outcome: - CO

Chapter Name: - Software Modelling and Design

Assignment No:-03

Q.1 Explain with example Decision Table.

Q.2 Draw proper labelled “Level 1 Data flow diagram” (DFD) for student attendance system.

Q.3 Draw a neat labelled diagram of transition of Requirement Model into Design Model

Q.4 Describe the elements of Analysis Model with neat labelled diagram.

Q.5 Distinguish between Black Box Testing and White Box Testing.

Q.6 Draw a DFD for Library Management System for Level 0 and Level 1.

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Course Title: -Software Engineering (22413) Sem-IV (2023 -24)

Course Outcome: - CO

Chapter Name: - Software Project Estimation.

Assignment No:-04

Q.1 Explain any one project cost estimation approach.

Q.2 Draw and describe the management spectrum.

Q.3 Draw RMMM plan. Describe its major components.

Q.4 Describe the following project cost estimation approaches. I)Heuristic II)Analytical

Q.5 Describe COCOMO II model for evaluating size of software project with any three parameters in detail.

Q.6 State and describe two metrics of project size estimation.

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Course Outcome: - CO

Chapter Name: - Software Quality Assurance and Security.

Assignment No:-05

Q.1 Describe PERT Chart with suitable example.

Q.2 Define-I) Software Quality Assurance. II)Software Security.

Q.3 State the phases of software quality Assurance.

Q.4 Define Project Scheduling and list its types.

Q.5 Differentiate between Software quality control and Software Quality Assurance.

Q.6 Describe Six Sigma.State operations under DMADV/IC.

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