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Kharghar, Navi Mumbai - 410 210.

Computer Department

Name of Programme: - CO

Name of Course: - Software Engineering (SEM-IV)2023-2024

Course Outcome. – Create Suitable Software Process Model for Software development.

Assignment No.1

4 Marks Questions.

1. What is software ? what are its characteristics ?
2. Explain changing nature of software.
3. Explain software engineering as a layered technology approach.
4. Explain process framework with diagram.
5. Explain the waterfall model.
6. Describe incremental model.
7. Explain RAD model with diagram.
8. Describe spiral model.
9. Write difference between waterfall model and incremental process model.
10. How does the process model differ from each other?

Last Date Of submission: 29/1/2024 till 4.00PM

Name of course coordinator: - Mrs. Jyoti Shinde

Computer Department

Name of Programme: - CO

Name of Course: - Software Engineering (SEM-IV)2023-2024

Course Outcome. – Prepare Software Requirement Specification.

Assignment No.II

4 Marks Questions.

1. Describe core principles of software engineering.
2. State and describe six principles of communication practices.
3. Explain analysis modelling principles.
4. Explain design modelling principles.
5. Describe behavioural model.
6. Explain the tasks of requirement engineering.
7. Explain deployment principles.

Last Date Of submission: 09/02/2024 till 4.00PM

Name of course coordinator: - Mrs. Jyoti Shinde

Computer Department

Name of Programme: - CO

Name of Course: - Software Engineering (SEM-IV)

Course Outcome. – Use Software Modeling to create data design.

Assignment No.III

4 Marks Questions.

- 1.Explain Analysis Modelling.
- 2.What are difference analysis modelling approaches and explain them in brief.
- 3.Explain Domain Analysis in building analysis model.
4. Explain following concepts
 - a)Data Objects
 - b)Data Attributes
 - c)Data Relationships
 - d)Cardinality
 - e)Modality
- 5.Write Difference between Cardinality and Modality.
- 6.What is DFD? Give one example.
- 7.Draw DFD Level 0 and Level 1 of following examples.
 - a) Library Management System
 - b) Hotel Management System
 - c) student attendance system
- 8.Explain Use-case diagram with example.
- 9.Explain State transition diagram.
- 10.What are design quality Guidelines?

Name of course coordinator: - Mrs. Jyoti Shinde