



**Charotar University of Science and Technology**  
**Devang Patel Institute of Advance Technology and Research**  
**Department of Computer Engineering**



**Subject: Software Engineering**

**Semester: 5**

**Subject Code: CE343**

**Academic Year: 2022-23**

**Student ID: 20DCE019**

**Student Name: YATHARTH CHAUHAN**

**Practical Index**

| Sr. No. | AIM  | COs | Start Date | End Date | Assessment Date | Marks /1 | Signature |
|---------|--|-----|------------|----------|-----------------|----------|-----------|
| 1.      | List & draw at least 7 various Software Development Life Cycle (SDLC) models and preparing the detailed case study on “JobHunt” that which SDLC model is suitable to develop the “JobHunt”?  | CO1 |            |          |                 |          |           |
| 2.      | List at least 10 Agile Development tools for desktop and mobile application development in IT industry and prepare the detailed case study on “JIRA Tool” for Agile Development.   | CO5 |            |          |                 |          |           |
| 3.      | List at least 5 software development planning tools and prepare the detailed case study of Risk Analysis & Management (i.e. Risk Identification, Risk Projection, Risk Refinement, Risk Mitigation.) on “JobHunt”  | CO2 |            |          |                 |          |           |
| 4.      | List at least 10 software design principles & online/offline tools for the software development process and Draw the UML diagram (Diagram Must 1. Use Case, 2. Activity, 3. State, 4. Sequence, 5. Data Flow (DFD) 6. Class) for JobHunt Link: <a href="https://createely.com/blog/diagrams/umldiagram-types-examples/">https://createely.com/blog/diagrams/umldiagram-types-examples/</a> | CO1 |            |          |                 |          |           |
| 5.      | Design the Software Requirement Specification (SRS) document on JobHunt desktop application in IEEE format only. (Excluding UML Diagram) Link: <a href="https://web.cs.dal.ca/~hawkey/3130/srs_template-ieee.doc">https://web.cs.dal.ca/~hawkey/3130/srs_template-ieee.doc</a>   | CO1 |            |          |                 |          |           |
| 6.      | List at least 10 type of Testing for software development life cycle in IT industry and  | CO4 |            |          |                 |          |           |



**Charotar University of Science and  
Technology**  
**Devang Patel Institute of Advance Technology and  
Research**  
**Department of Computer Engineering**



|     |  |     |  |  |  |  |  |
|-----|--|-----|--|--|--|--|--|
|     | Design Test Case, Test Suites & Testing Strategy for the “JobHunt”<br>Link: 1.<br><a href="https://www.softwaretestinghelp.com/types-of-software-testing/">https://www.softwaretestinghelp.com/types-of-software-testing/</a><br>2. <a href="https://www.geeksforgeeks.org/typessoftware-testing/">https://www.geeksforgeeks.org/typessoftware-testing/</a>  |     |  |  |  |  |  |
| 7.  | Prepare the details Case Study on Design coding standards and guidelines for your respective “JobHunt” and justify which Software Quality Standards & Testing Tool will be suitable for your JobHunt.<br>Link: <a href="https://www.geeksforgeeks.org/codingstandards-and-guidelines/">https://www.geeksforgeeks.org/codingstandards-and-guidelines/</a>   | CO3 |  |  |  |  |  |
| 8.  | List at least 5 online or offline Software Maintenance tools & prepare the detail case study on “JobHunt” Maintenance document as a JobHunt.<br>Link: 1.<br><a href="https://ecomputernotes.com/softwareengineering/tools-for-software-maintenance">https://ecomputernotes.com/softwareengineering/tools-for-software-maintenance</a><br>2.<br><a href="https://www.techwalla.com/articles/whatis-cohesion-in-software-engineering">https://www.techwalla.com/articles/whatis-cohesion-in-software-engineering</a> | CO6 |  |  |  |  |  |
| 9.  | Prepare the detailed case study on Microsoft Azure/AWS DevOps tool in the area of cloud business application.  | CO5 |  |  |  |  |  |
| 10. | Prepare a detailed case study on Design Thinking methodology in the area of mobile application development (Android or iOS).<br>Link: <a href="https://www.thesunflowerlab.com/blog/design-thinking-and-mobile-app-development/">https://www.thesunflowerlab.com/blog/design-thinking-and-mobile-app-development/</a>  | CO5 |  |  |  |  |  |