**Ramaiah University of Applied Sciences, Bengaluru**

**Faculty of Engineering and technology**

**Department of CSE**

**Continuous Evaluation Assessment details**

**Academic Year: 2020-2021**

**Name of the Faculty member:** Supriya M S, Sahana P Shankar and Prakash P

**Course offered to Department/Programme:** Computer Science and Engineering

**Course Code:** 19CSC212A **Course Title:** Software Development Fundamentals

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| --- | --- | --- | --- | --- | --- |
| For Theory Type Courses: | | | | | |
| ILO No. | Intended Learning Outcome | CE (Weightage: 50 %)  Marks: 50 | | | SEE |
| (Weightage: 50 %) |
| Assessment Type | | | Sem. End Exam  50 Marks |
| Term Test -1 (20 marks) | Term Test -2  (20 marks) | Assignment (10 marks) |
| 1 | Describe the concepts of requirements analysis, architectural design, program design, testing and maintenance of software | X | X | X | X |
| 2 | Explain the principles of software development and maintenance |  | X | X | X |
| 3 | Apply the principles of software development to engineer software |  |  | X | X |
| 4 | Analyze requirements and suggest a design strategy for software development | X | X | X | X |
| 5 | Design, develop and test software for a given set of requirements | X | X |  | X |
| 6 | Evaluate software implementations for conformance with requirements, including quality assurance |  | X |  | X |

Signature of Course Leader Signature of HOD Signature of Dean

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**Continuous Evaluation Assessment details**

**Academic Year: 2020-2021**

**Name of the Faculty member:** Supriya M S, Sahana P Shankar and Prakash P

**Course offered to Department/Programme:** Computer Science and Engineering

**Course Title:** Software Development Laboratory **Course Code:** 19CSL216A

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| --- | --- | --- | --- | --- | --- | --- |
| For Laboratory: | | | | | | |
| ILO No. | Intended Learning Outcome | CE (Marks: 25) Weightage 50 % | | | | SEE  Weightage 50 %  (Marks: 50) |
| Assessment Type | | | | Sem. End Exam  (Reduced to 25) |
| Comp-1a (Conduction of Lab Exercises )  Marks: 6 | Comp-1b  (VIVA)  Marks: 7 | Comp-1c  (Record Submission)  Marks: 7 | Comp-1d  (Mid-Term Test)  Marks: 5 |
| 1 | Relate software engineering methods to the respective phases of software development, building and testing | X | X | X | X | X |
| 2 | Explain the process and methodology of creating architecture and refinement to program design based on software requirements | X | X | X | X | X |
| 3 | Use Java, C or any programming language to implement the program design following recommended coding guidelines, best practices and build conventions | X | X | X | X | X |
| 4 | Analyze requirements and program design and create a test case specification | X | X | X | X | X |
| 5 | Design and implement test cases based on test specifications 6 Create a report documenting the software development activities | X | X | X | X | X |

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