**FR. CONCEICAO RODRIGUES COLLEGE OF ENGG**.

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**Lab Manual**

**Software Engineering**

**B.E. (Computer, Sem - VI)**

**2019-20**

By-

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| **#** | **Experiment Name** | **Aim** |
| 1 | SOFTWARE REQUIREMENTS SPECIFICATION | To prepare software requirements specification document for a selected case study in IEEE format |
| 2 | FUNCTION POINT CALCULATION | To calculate function point for a selected case study |
| 3 | COST ESTIMATION USING COCOMO MODEL | To calculate function point for a selected case study |
| 4 | PROJECT SCHEDULING USING PROJECT MANAGEMENT TOOL | Use project management tool to schedule project plan for a selected case study |
| 5 | RISK MANAGEMENT MONITORING AND MITIGATION PLAN | Develop a risk table for a selected case study |
| 6 | General Test-Driven Development | General test driven development for a selected case study |
| 7 | BLACK BOX TESTING | To design test cases for performing black box testing (equivalence partitioning and boundary value analysis) for a selected case study |
| 8 | WHITE BOX TESTING | To design test cases for performing white box testing for a selected case study |
| 9 | COHESION AND COUPLING | Draw Architecture diagram and incorporate Cohesion and Coupling for each module of <type your selected case study |
| 10 | DESIGN PATTERNS | Application of at least two types of design patterns in selected case study |