# University Exam Scheduling

Prepared by

|  |  |  |
| --- | --- | --- |
| Vedant Sahai | 8364 | vedantsahai18@gmail.com |
| Pratik Chowdhury | 8322 | pratikc@live.co.uk |
| Elvis Dsouza | 8333 | elvisejsondsouza57@gmail.com |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| Instructor: | Dr. B S Daga |
| Course: | Software Engineering |
|  |  |
|  |  |
| Date: | 7th April 2020 |

**Index**

|  |  |  |
| --- | --- | --- |
| **#** | **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 |

|  |  |
| --- | --- |
| **Practical No** | 01 |
| **Title** | Software requirement Specification |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | On Time Completion(2M) |  |
| 2 | Completeness(4M) |  |
| 3 | Correctness(4M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 02 |
| **Title** | Cost Estimation(Function Point Analysis) |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | On Time Completion(2M) |  |
| 2 | Accurate Time and size estimation (4M) |  |
| 3 | Postlab(4M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 03 |
| **Title** | Cost Estimation (COCOMO) |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | On Time Completion(2M) |  |
| 2 | Accurate Time and size estimation (4M) |  |
| 3 | Postlab(4M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 04 |
| **Title** | Project Scheduling |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | Risk Identification(3M) |  |
| 2 | Risk Documentation(2M) |  |
| 3 | Selection of appropriate Mitigation Approach(3M) |  |
| 4 | Thorough Contingency Plan(2M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 05 |
| **Title** | Risk Management-RMMM Plan |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | Work Breakdown Structure(4M) |  |
| 2 | Scheduling(3M) |  |
| 3 | Resource Allocation(3M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 6 |
| **Title** | General Test-Driven development |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | Identification of Test Data (4 M) |  |
| 2 | Documentation of Test Case (3M) |  |
| 3 | Implementation of Test Case (3M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 7 |
| **Title** | Black Box Testing |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | Accurate Flow Graph (3M) |  |
| 2 | Computation of Cyclomatic Complexity (3M) |  |
| 3 | Determination of basis set(2M) |  |
| 4 | Determination of test data(2M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 8 |
| **Title** | White box Testing |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | On Time Completion(2M) |  |
| 2 | Completeness(4M) |  |
| 3 | Correctness(4M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 09 |
| **Title** | Cohesion & Coupling |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | On Time Completion(2M) |  |
| 2 | Completeness(4M) |  |
| 3 | Correctness(4M) |  |
| 5 | Total (10M) |  |

|  |  |
| --- | --- |
| **Practical No** | 10 |
| **Title** | Design Pattern |
| **Date Of Performance** |  |
| **Date Of Submission** |  |
| **Roll No** | 8322 |
| **Name Of The Student** | CHOWDHURY PRATIK VINAYAK |

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Rubric** | **Grade** |
| 1 | Understanding of Junit Framework(4M) |  |
| 2 | Implementation (4M) |  |
| 3 | Coding Standards(2M) |  |
| 5 | Total (10M) |  |