PROBLEM STATEMENT:

To practice creating software documentation for testing of software development life

cycle for a real time application

**TESTING PHASE DOCUMENTATION**

PROJECT NAME:

"Pay of roll processing system”

Estimated start data for testing: d d/mm/yy

Estimated end data for testing: d d/mm/yy

Actual start data for testing: d d/mm/yy

Actual end data for testing: d d/mm/yy

Estimated effort in person hours/person month: 48pm

[1 person->1 month=1 pm]

[6\*12 person->1 year=12 pm]

Test setup:

Testing into check whether the requirements are satisfied by the software

(1) HARDWARE ENVIRONMENT:

* Processor-Intel
* Speed-2.33 GHZ
* RAM-160GB
* Hard disk-160GB

(2) SOFTWARE ENVIRONMENT:

1. Borland c
2. Rational rose

3. Microsoft visual studio

(3) TEST PERSONAL AND THEIR RESPONSIBILITIES:

(1)Mr. X-Black Box and white Box testing

(2)Mr. y- Gorilla testing and Beta testing

(3)Mr. Z-Field trail testing

(4)Mr. A-performance and stress testing

TESTING CASES:

(1) BLACK BOX TESTING:

* functional testing to be carried out
* testing is to be done in lab (alpha)
* then testing is to be done in users site (beta)

(2) WHITE BOX TESTING:

* structure of software is to be analyzed list each line of code
* Inputs that make conditions false should be given

(3) GORILLA TESTING:

* Abnormal way of testing is to be done
* bring out the defects for wrong inputs test the tolerability software for wrong inputs

(4) BETA TESTING:

* carry out the tests in use promises
* Develop team should not be present provide additional services

(5) FIELD TRIAL:

* Test in Actual working environment
* Prepare a detailed report on requirements at the field
* Prepare log sheet

(6) PERFORMANCE TESTING:

* Transaction response time thought etc should be considered
* Test the resource requirements

(7) STRESS TESTING:

* Test the software at its limits of performance
* Test the resource requirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S no | Defect found | Type of defect | Classification | Status | Time for removal of defect |
| 1. | Problem in input phase | High range values not accepted | Minor | New | 2 days |
| 2. | Show response  phase | Through put delayed minor | Minor | remove | 1 week |

**RESULT:**

Thus the program was executed successfully.