**FORMULA FOR TEST METRICS:**

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| --- | --- | --- |
| Serial no | Testing metrics | Data retrieved during test case dev |
| 1 | No of requirements | 5 |
| 2 | The avg no of test case written per requirement | 40 |
| 3 | Total no of test case written per requirement | 200 |
| 4 | Total no of test cases executed | 164 |
| 5 | No of test cases passed | 100 |
| 6 | No of test cases failed | 60 |
| 7 | No of test cases blocked | 4 |
| 8 | No of test cases unexecuted | 36 |
| 9 | Total no of defects identified | 20 |
| 10 | Defects accepted as valid by the dev team | 15 |
| 11 | Defects deferred for future release | 5 |
| 12 | Defects fixed | 12 |
|  |  |  |
|  |  |  |
|  |  |  |

1. **TEST CASE EFFECTIVENESS**

= (No of defects detected/no of test cases run) x 100

(20/164) \* 100

12.19

1. **PASSED TEST CASE PERCENTAGE**

= (Total no of test cases passed/total no of test cases executed) x 100

(100/164)\* 100

60.97

1. **FAILED TEST CASES PERCENTAGE**

= (Total no of failed test cases/total no of tests executed) x 100

(60/164)\*100

36.58

1. **BLOCKED TEST CASES PERCENTAGES**

= (Total no of blocked tests/ test no of tests executed) x 100

(4/164)\*100

2.4

1. **FIXED DEFECTS PERCENTAGES**

= (Total no of flaws fixed/ no of defects reported) x 100

(12/120)\*100

10

1. **REWORK EFFORT RATIO**

= ( Actual rework efforts spent in that phase/ total actual efforts spent in that phase) x 100

(12/164)\*100

7.31

1. **ACCEPTED DEFECTS PERCENTAGE**

= ( Defects accepted as valid by dev team/ total defects reported) x 100

(15/20)\*100

75

1. **DEFECTS DEFERRED PERCENTAGE**

= (Defects deferred for future releases/ total defects reported) x 100

(5/20)\*100

25