./

Learning Report – MULTIPURPOSE SMART BAND

Course Code: <CODE>



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| **Ver. Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **Approved By** | **Remarks/Revision Details** |
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**Document History**

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# 1.3 Test Plan

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| **ID** | **Description** | **Pre-Condition** | **Expected input** | **Expected Output** | **Actual Output** |
| 1. | Fetch the initial user input for operands | The max number of inputs can be 3 | Integer values | Ask for the operation to be performed | Ask for the operation to be performed |
| 2. | Fetch user input for operation | The operation number is assigned based on the case statements | Respective operation’s case number | The function to perform that operation is called in main program | The respective operation is carried out on the operand |
| 3. | Operations with one operand | Assign data enter in sequence of the operands specified | When only one operand is inputted instead of three | It should perform single operation on the operand after entering the resp. operation function | Considering single operand as input and carry out the operations |
| 4. | Multifunction on same operands | Data input | When more than one operation to be performed on the operand before exiting | It should perform all the operations and ask for next operation choice before quit | Asks for choice before exiting |
| 5. | Check for any number when divided by zero | Any divide operation | Number divided by zero | Should show error and quit | Will return 0 and exit the loop |
| 6. | Prime number check | A prime function operation | 1 | Should return neither prime not composite | Returns neither prime nor composite |
| 7. | Modulus check | Modulus function with 2 operands | A number modulus zero | Should show error and return exit | Shows error with an exit |
| 8. | Check size | Refer the requirement | The user can give input flexibly | Small size with easy touch screen operation | Handy and easy accessible |
| 9. | Pico projector | The sensors are mounted | Proximity sensors are used to project over surface | The keypad is easily accessible on the projected keyboard |  |
| 10. | Factorial check | Conditions for 0 & 1 factorials | 0 | The factorial of 0 should give output as error | Results in error and exits the loop |