**The SRS document and system test plan for Diabetes project**

**1) Test Plan Identifier**

**-**  To check the percentage of Diabetes, blood pressure glucose level in blood and GUI(Graphical users’ interface) is required

**2) References**

- SRS (software requirement specification) document

**3) Introduction**

- A Glucometer is created to check if a person has Diabetes

**4) Test Items**

-Is\_Diabetes or not

- GUI (Graphical users’ interface)

**5) Software Risk Issues**

-Not applicable

**6) Features to be Tested**

-Is\_Diabetes and GUI

**7) Features not to be Tested**

-Not applicable

**8) Approach**

**-**  To check the functionality through GUI (Graphical users’ interface) by entering the bloop pressure and glucose level to get the required output

**9) Item Pass/Fail Criteria**

- To input and check if all the functionality is working and the desired output is given

**10) Suspension Criteria and Resumption Requirements**

- to suspend if Is\_Diabetes method is not working up to the requirements

**11) Test Deliverables**

- System test plan, cases, scripts, automation, execution, summary repor**t**

**12) Remaining Test Tasks**

-not applicable

**13) Environmental Needs**

-Not applicable

**14) Staffing and Training Needs**

- 2 people required to test the product

**15) Responsibilities**

- Report to be given about the process of the product

**16) Schedule**

- Start date of testing is 07-06-2023 to 12-06-2023

**17) Planning Risks and Contingencies**

- The machine used for testing is not working or not yet arrived

**18) Approvals**

-given by product manager if the product functionality is working without any error

**19) Glossary**

-SRS = software require specification

-GUI= graphic user interface

**Test case**

1.Test\_diabetes\_1 = Take 45 as glucose and 63 as blood pressure as input and calculated output required is 1 or else it is fail

2.Test\_diabetes\_2 = Take 40 as glucose and 92 as blood pressure as input and calculated output required is 0 or else it is fail

3.Test\_diabetes\_3 = Take 40 as glucose and 50 as blood pressure as input and the calculated output required is 0 or else it is fail (Negative test case)

4.Test\_diabetes\_3 = Take 40 as glucose and 200 as blood pressure as input and the calculated output required is 0 or else it is fail (Negative test case)

5.Test\_diabetes\_3 = Take 20 as glucose and -10 as blood pressure as input and the calculated output required is 0 or else it is fail (Negative test case)