Test Case Template of Accelerometer Team B1

Test for Communication between PICO & M5stick C plus

Requirement	Ensuring modules are successfully communicating
Test Data	Send data collected from M5stick to PICO
Expected Outcome	Display successful communication between M5Stick and Pico.
Expected Results	Satisfied expected outcome

Complementary Algorithm with PICO + M5stick C plus

Requirement	Send indicator when elevation of angle detected
Test Data	Elevated the angle of M5stick C, by moving it upward.
Expected Outcome	Display the current angle on M5stick C and write indicator to PICO.
Expected Results	Satisfied expected outcome

Collection of Accelerometer Data Algorithm with PICO + M5stick C plus

Requirement	Send data output when movement in x, y, z axis is detected
Test Data	Move M5stick C, by moving it horizontally, vertically and front and backward.
Expected Outcome	Display the current output on M5stick C and write indicator to PICO.
Expected Results	Satisfied expected outcome

Kalman Filter Algorithm with PICO + M5stick C plus

Requirement	Send indicator when elevation of angle detected
Test Data	Elevated the angle of M5stick C, by moving it upward.
Expected Outcome	Display the current angle on M5stick C and write indicator to PICO.
Expected Results	Satisfied expected outcome