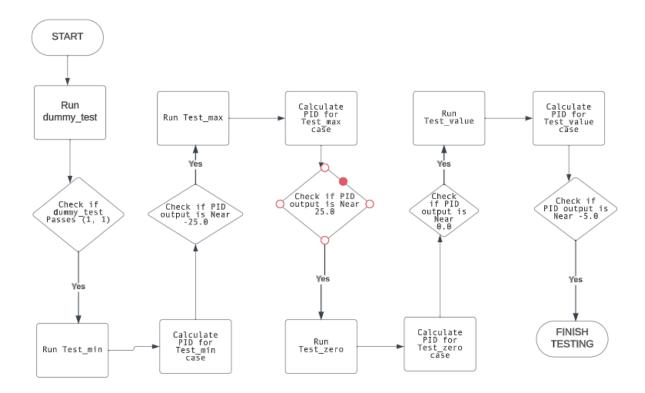
Activity Diagram:--



UML CLASS DIAGRAM:-

```
dummy_test

+ pass_test()
```

```
PID_Implementation_Test

+ Test_min()
+ Test_max()
+ Test_zero()
+ Test_value()
```

```
PID

- _dt : double
- _max : double
- _min : double
- _Kp : double
- _Kd : double
- _Ki : double
- _pre_error : double
- _integral : double

+ PID(double, double, double, double, double, double, double)
+ calculate(double, double) : double
```

pid_lib.hpp