

Title : **Remote Motor Control using IOT**

Document : **Requirement Specifications**

Functional Requirements

- Motor ON/OFF switching facility from mobile app from any location
- Transfer of motor commands to cloud
- Cloud to IoT board transfer of motor commands
- Cloud database should be accessible to user for debugging purposes
- Command received and current motor status should be available on local display
- Board should be capable of driving a contactor to switch on a half HP motor

Non-functional requirements

- Should have compact custom PCB
- Display and actuator modules to be connected using polarized cables
- Should have low power consumption. Should be capable of being USB powered for program upload and debugging from a laptop