

## Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	➤ The system must allow the user to register by leaving their email
FR-2	User Confirmation	➤ The system must send a confirmation email to the User
FR-3	User Login	➤ The system must allow the registered user to login by using their email
FR-4	Dashboard	➤ The system will show the apps features in the dashboard to the user
FR-5	Weather Monitoring	➤ The system shall provide the following weather parameters: Temperature , pressure, Wind speed & direction , rain fall and humidity .
FR-6	Motor Controls	<ul style="list-style-type: none"><li>➤ The system must provide when user give the Motor ON command then the system provide Motor ON to the User</li><li>➤ The system must provide when user give the Motor OFF command then the system provide Motor OFF to the User</li></ul>
FR-7	User feedbacks	➤ The system must allow the user to submit the feedback through a contact in the application

## Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"><li>➤ An user friendly and simple web application .</li><li>➤ It is simply used by the help of tutorials .</li></ul>
NFR-2	Security	<ul style="list-style-type: none"><li>➤ Only registered person can access the web application.</li><li>➤ User can only share the data to another ,no one can stolen their data.</li><li>➤ Data's are more secured.</li></ul>
NFR-3	Reliability	<ul style="list-style-type: none"><li>➤ If a data collection is slow for user it will check immediately to resolve that problem.</li><li>➤ Provide accuracy of data to the user</li></ul>
NFR-4	Performance	<ul style="list-style-type: none"><li>➤ Fast to monitoring the field</li><li>➤ It is used to turn on /turn off the motor within a second</li><li>➤ It shows the values of temperature , humidity , weather conditions at every time.</li></ul>
NFR-5	Availability	<ul style="list-style-type: none"><li>➤ Every where at any time available on the web application.</li><li>➤ It can be found on search engines like google,youtube etc....</li></ul>
NFR-6	Scalability	<ul style="list-style-type: none"><li>➤ It can be multiple command is given to act at a time it perform priority based.</li><li>➤ Reduced traffic in case of multiple user interaction</li></ul>