

SOFTWARE REQUIREMENT SPECIFICATION (SRS)

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Functional Requirements:

Registration for farmer

- For farmer's registration, they will submit their own information and device number.

Registration for agriculturist

- The agriculturists will be registered through the admin.

Login

- Farmers and agriculturists can login.

Dashboard

- This will show the Farmers live field reports like humidity, temperature, soil- pH etc.

Crop update

- This system will provide crop growth updates.

Generate reports

- This system will create a Field report of the lands and it can be sent to Agriculturists Email.

Help

- This will be alert notification via agriculturist & connected farmer's phone

Price Update

- This system will provide updates about market price.

2.2 Non-functional requirements

Performance

- The web application must load in under three seconds.

Reliability

- This system is user friendly. So users can easily trust the system.

Availability

- This system will be available 24/7.

Safety

- This system will be safe enough.

Maintenance

- Constantly keep the server updated.

Adaptability

- The user interface will be adaptive to the user.

Scalability

- Any structural changes can occur at any time.

Capacity

- A minimum of 200 requests per second can be handled by the server.