

## Project Design Phase-II

### Functional Requirements (Functional & Non-functional)

#### Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	PIR sensors	Detected the security & motion of animals and send messages.
FR-4	Node MAC	It can used to create web-servers & Networked applications.
FR-5	Arudino UNO	It is an microcontroller that can be integrated into a variety of sensors.

#### Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	IOT Based Crop Protection System against Birds and Wild Animal Attacks.
NFR-2	<b>Security</b>	It ensure complete safty of crops from animals and Birds,from fire thus protecting the farmers loss
NFR-3	<b>Reliability</b>	Ensure that a farmer can get a field task accomplished in a timely manner, it also reduces lost time and productivity.
NFR-4	<b>Performance</b>	It perform well ,when the crops faced hazards
NFR-5	<b>Availability</b>	It available for all type of seasons.