VSB Engineering College, Karur-639111
Department of Electronics and Communication Engineering

Project Design Phase-II
Solution Requirements(Functional&Non-Functional)

TITLE : IoT Based Smart Crop Protection System for
Agriculture
DOMAIN NAME : Internet Of Things
TEAM ID : PNT2022TMID33625
TEAM LEADER : TharunaPriya S
TEAM MEMBER : Salini P
Srinithi A
Yogapriya K
MENTOR NAME : Nandhini. P

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	*Directly can get from shop. *Order through online shopping application *Order through mail *Order through social media *Order through calls
FR-2	User Confirmation	*Confirmation via Email *Confirmation via message *Confirmation via Call

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	*Can make a alarm sound by detecting the animals. *The user will aldso get alert by the alarm sound.
NFR-2	**Security**	*We can use sensors to detect the animals and engender an alarm. *This will not harm any animal anf crops will be safe.
NFR-3	**Reliability**	*We can use the cloud to store the monitoring data of the children. *We can use the wifi modules to send the monitoring data.
NFR-5	**Availability**	*This system is sensor based system which detect the movements of animals. *It is available both in online.and offline
NFR-6	**Scalability**	*It is clear by using IoT we can sense the animals and helps the users to take necessary steps. *Production of agricultural products will be increased
NFR-4	**Performance**	*Any kinetricism is detected the system will engender an alarm to be taken and the lights will glow u implemented at every corner of the farm. *This will not harm any animal and the crops will stay forfended.