

Team ID	PNT2022TMID03184
Project Name	Project – Smart farmer-IoT enabled smart farming application.

## **SOLUTION REQUIREMENTS:**

## **FUNCTIONAL AND NON FUNCTIONAL REQUIREMENTS:**

### **FUNCTIONAL REQUIREMENTS:**

<b>NO:</b>	<b>REQUIREMENTS</b>	<b>SUB-TASK</b>
<b>1</b>	REGISTRATION	USER CAN REGISTER USING EMIAL
<b>2</b>	CONFIRMATION	OTP IS SENT TO EMAIL.USER CAN CONFIRM THE EMAIL BY ENTERING THE OTP.
<b>3</b>	LOGIN	AFTER CONFIRMATION THE USER CAN LOGIN.
<b>4</b>	CHECK CREDENTIALS	USER CAN CHECK THE CREDENTIALS GIVEN
<b>5</b>	MANAGE MODULES	1.MANAGE SYSTEM ADMINS 2.MANAGE ROLES 3.MANAGE USER PERMISSSION
<b>6</b>	LOGOUT	AFTER COMPLETING USER CAN LOGOUT

**NON-FUNCTIONAL:**

<b><u>NO</u></b>	<b><u>REQUIREMENTS</u></b>	<b><u>DESCRIPTION</u></b>
<b><u>1</u></b>	Usability	Usability includes easy learn ability, efficiency in use, remember ability, lack of errors in operation and subjective pleasure
<b><u>2</u></b>	Security	Sensitive and private data must be protected from their production until the decision-making and storage stages.
<b><u>3</u></b>	Reliability	The shared protection achieves a better trade-off between costs and reliability. The model uses dedicated and shared protection schemes to avoid farm service outages.
<b><u>4</u></b>	Performance	the idea of implementing integrated sensors with sensing soil and environmental or ambient parameters in farming will be more efficient for overall monitoring.
<b><u>5</u></b>	Availability	Automatic adjustment of farming equipment made possible by linking information like crops/weather and equipment to auto -adjust temperature, humidity, etc

<b><u>6</u></b>	Scalability	scalability is a major concern for IoT platforms. It has been shown that different architectural choices of IoT platforms affect system scalability and that automatic real time decision -making is feasible in an environment composed of dozens of thousand
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