User Stories

Team Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Augmented Reality	Monitoring	USN - 1	Monitor data from fields	Monitor temperature, soil moisture, humidi	High	Sprint-1
	Manual Control	USN-2	Shift automatic to manual control	Control water manually	Medium	Sprint-2
	Guide	USN-3	Guide about product use	How to use our product	LOW	Sprint-3
IoT	Soil Moisture, Temperature, Humidity	USN-4	To monitor soil moisture, temperature, humidity	All data collected from sensors.	High	Sprint-1,2
	Cloud Platform	USN-5	Data is uploaded on the cloud	All data comes into the cloud platform	High	Sprint-3
ML	Literature Review on weather forecasting	USN-6	Plan a novel model for weather forecasting by analysing latest work and review them.	Read research papers from different journals, books, articles, reviews, and conferences to decide on a novel work for the project.	High	Sprint-1
	Data Collection	USN-7	Collect Data used for weather forecasting. (More focus on agriculture parameters to provide accuracy for individual areas.)	Collect data from different sources like kaggle, GitHub on weather forecasting according to our pre decided features.	High	Sprint-2

		Weather Forecasting	USN-7	We are able to forecast weather by monitoring the Temperature, Atmospheric Pressure, Humidity, Wind Speed and Direction, Precipitation and by Solar Radiation.	Data Gathering - First gather required data to preprocess it and clean the data and then build ML/DL model by choosing appropriate machine learning algorithms such as regression, decision trees, random forests, neural networks, or hybrid models. to accurately predict weather conditions using real time data from fields.	High	Sprint - 3
Web		login /Signup	USN-8	New users can register and old users can login using their credentials. Navigation bar to navigate.	This page will have two types of form one for login and one for signup. On the signup page the user would add all details required. Then using login would access monitor and manual control pages.	Medium	Sprint -2
		Home page	USN-9	Users will be able to recover the password of the account in case they forget. Navigation bar to navigate.	The system enables the user to set a new password	Medium	Sprint -2
		Contact us page	USN-10	In case a user finds trouble in accessing their account or has a query about any services can contact the help support.	Page contains information about developers.Navigation bar to navigate	Low	Sprint-3
		Monitor page	USN-11	Users are able to monitor soil moisture and temperature.	Using IOT technologies and open source APIs	High	Sprint-1

				users can monitor field data.		
.	Manual control page	USN-12	Users will be able to control the ground machinery which are connected to this device.	Using actuators and connectivity technology user can control physical machinery connected to the device.	High	Sprint-1