Project Planning Phase

Date	21 October 2022
Team ID	PNT2022TMID30928
Project Name	IoT Based Smart Crop Protection System for Agriculture

Project Planning (Product Backlog, Sprint Planning, Stories, story points)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (40)	Priority (Low to High)	Team Members
Sprint-1	Coding	USN-1	The python code for connecting the sensors with the system is created.	3	High	S.Sowndarya
Sprint-1		USN-2	The code is tested for any form of errors and bugs and are rectified.	2	High	D.Nandhini
Sprint-2	Cloud services	USN-3	The python code is linked with the IOT Watson cloud platform services and to the Node RED platform.	1	Low	H.Sneka
Sprint-4		USN-4	The user will be able to login to the platform by using email and password and access data.	2	Medium	A.Sowmya
Sprint-3	Login	USN-5	The user must create a login to access the database of their field.	4	High	S.Sowndarya
Sprint-2	Pre processing	USN-6	The access that is to be done by the farmer, so it must be easy to understand to them.	3	High	D.Nandhini
Sprint-1	Collecting Dataset	USN-7	To collect various sources of animal threats and keep developing a dataset.	3	Medium	A.Sowmya
Sprint-4	Integrating	USN-8	To integrate the available dataset and keep improving the accuracy of finding animals	2	High	D.Nandhini
Sprint-3		USN-9	To find and use appropriate compiler to run and test the data so that we can implement our program	1	Low	H.Sneka
Sprint-2		USN-10	Testing the codes to find any interruptions and other factors and rectify them.	1	Low	A.Sowmya
Sprint-1	Training	USN-11	As programmer, we need to train our data perfectly so that the program runs smoothly	3	High	D.Nandhini
Sprint-3		USN-12	Train the data using out available services and IBM dataset from server and improve that	2	Medium	S.Sowndarya
Sprint-4	Coding	USN-13	To modify the code according to our program and improve the efficiency of that code	4	High	D.Nandhini
Sprint-2		USN-13	Improving the performance by creating a reliable database and good infrastructure for easy access.	1	Low	S.Sowndarya
Sprint-2	Record	USN-5	To record the data and plot the graph to show the characteristics officially	4	High	S.Sowndarya
Sprint-1	Planning	USN-4	Plan the programming language and feasibility	3	Medium	D.Nandhini
Sprint-4		USN-14	Demonstrate the working and improve accuracy overall	2	Low	S.Sowndarya

Project Tracker & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	5 Days	20 Oct 2022	24 Oct 2022	20	21 Oct 2022
Sprint-2	20	5 Days	25 Oct 2022	29 Oct 2022	20	27 Oct 2022
Sprint-3	20	5 Days	31 Oct 2022	4 Nov 2022	20	2 Nov 2022
Sprint-4	20	7 Days	5 Nov 2022	11 Nov 2022	20	8 Nov 2022

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

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