Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	10 November 2022
Team ID	PNT2022TMID04755
Project Name	SmartFarmer- IOT Enabled smart farming
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional requirement	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my Gmail, email or through phone number then you can received the OTP or Verification Code.	10	High	Subikshna. V
Sprint-1	Confimation	USN-2	As a user, I will receive confirmation Gmail once I have registered for the application.	4	Low	Shandheep E
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	6	Medium	Yazhini B
Sprint-2	Simulation	USN-4	Connect sensors and ESP 32	4	Low	Tharani dharan D
Sprint -2	Software	USN-5	Develop a python code to publish random sensor data	6	Medium	Subikshna V
Sprint-2	Simulation	USN-6	Connect the data with IBM cloud	10	High	Shandheep E
Sprint-3	Simulation	USN-7	Establishing Node-RED connection	8	Medium	Yazhini B
Sprint-3	App development	USN-8	Application development using MIT app inventor	12	High	Tharani dharan D

Sprint-4	Simulation	USN-9	Connecting the developed application with Node-RED	6	Medium	Tharani dharan D
Sprint-4	Testing	USN-10	Testing the application	12	High	Yazhini B

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Point	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	10 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	12 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	15 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV= Sprint duration/velocity = 20/10 = 2
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