Initial Project Planning Template

Date	5 JUNE 2024
Team ID	740117
Project Name	Smart Home temperature prediction using machine learning
Maximum Marks	4 Marks

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

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Initial Model Development	USN-1	As a data engineer, I can collect the data which is generated by the sensors by The University of CEU Cardenal Herrera (CEU-UCH)-Spain.	2	High	2		
Sprint-1	Model Training	USN-2	As a data scientist, I can preprocess the collected data and pass it to the Regression algorithms such as Linear Regression, Random forest, LightGDBM, and Xgboost.	1	High	2		
Sprint-1	Model Evaluation and Deployment	USN-3	As a data scientist, I can train and test the data with these algorithms. the best model is selected and saved in pkl format.	4	High	3		
Sprint-1	Model Deployment	USN-4	As a data scientist, I can do flask integration and IBM deployment.	3	High	2		
Sprint-1	Explanation	USN-5	As a data scientist, I can monitor the performance of the deployed ML model in real-time and track any changes in accuracy.	3	Medium	4		