

InitialProjectPlanningTemplate

Date	15March 2024
TeamID	LTVIP2024TMID25012
ProjectName	PredictiveModeling forH1bVisaApproval UsingMachineLearning.
MaximumMarks	4Marks

ProductBacklog,SprintSchedule, andEstimation(4Marks)

Sprint	Functional Requirement (Epic)	UserStory Number	UserStory /Task	Story Points	Priority	TeamMembers	Sprint Start Date	SprintEnd Date (Planned)
Sprint-1	Data Collection &Preprocessing	USN-1	Asadata scientist,Icanloadand preprocess the H1B dataset, handlingmissingvaluesanddata types..	3	High	1. Velamakanni Abhigna 2. Chinthareddy Lalitha 3.SirasaniTeja Venkata Sai Charan 4.Yedupati Manoj	24-07-24	25-07-24

Sprint-1		USN-2	Asadata scientist, I can split the data into training and test sets.	2	High	1. Velamakanni Abhigna 2. Chinthareddy Lalitha 3. Sirasani Teja Venkata Sai Charan 4. Yedupati Manoj	24-07-24	25-07-24
Sprint-2	Model Development	USN-3	Asadata scientist, I can develop a Random Forest model to predict visa approval status.	5	High	1. Velamakanni Abhigna 2. Chinthareddy Lalitha 3. Sirasani Teja Venkata Sai Charan 4. Yedupati Manoj	12-08-24	14-08-24

Sprint-1		USN-4	As a data scientist, I can optimize the model using hyperparameter tuning to improve accuracy.	4	Medium	1. Velamakanni Abhigna 2. Chinthareddy Lalitha 3. Sirasani Teja Venkata Sai Charan 4. Yedupati Manoj	12-08-24	14-08-24
Sprint-1	Model Evaluation	USN-5	As a data scientist, I can evaluate the model's performance using accuracy, precision, recall, and F1-score metrics.	3	High	1. Velamakanni Abhigna 2. Chinthareddy Lalitha 3. Sirasani Teja Venkata Sai Charan 4. Yedupati Manoj	29-09-24	02-09-24