Initial Project Planning Template

Date	15 October 2024
Team ID	SWTID1727274979
Project Name	Deep learning techniques for breast cancer risk prediction
Maximum Marks	4 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint -1	Data Collection .	USN-1	Understanding Project Prerequisites and program structure .	SL - 14	Low	Janhavi Raskar	2024/09/30	2024/09/30
Sprint-1	Data Collection .	USN-1	Listing down Project Objectives and purpose .	SL - 15	Medium	Shrawani Bhambare	2024/09/30	2024/09/30
Sprint-2	Downloading Dataset .	USN-2	Loading the image dataset into google colab as well as in the local machine to build the model .	SL – 17	low	Sakshi Shirke	2024/10/01	2024/10/05
Sprint-2	Image Preprocessing	USN-2	Importing ImageDataGenerator to load the image and preprocess it as the dataset is in Image Format/Files .	SL - 18	Medium	Janhavi Raskar	2024/10/01	2024/10/05

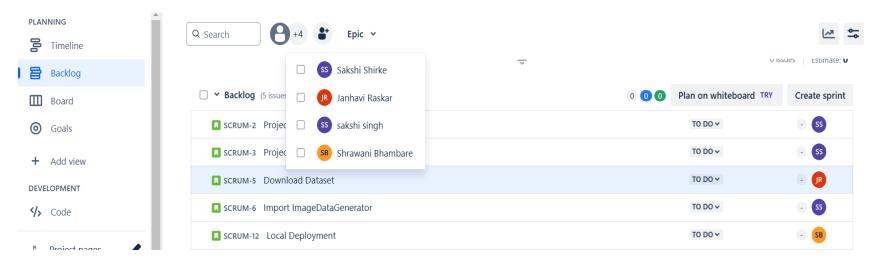| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint- 3	Model Building	USN-3	Model Building is considered as one of the crucial stage in Model Implementation .	SL – 19	High	Sakshi Shirke	2024/10/20	2024/10/31
Sprint- 3	Model Selection (CNN Approach of deep learning technique is used)	USN-3	Model Selection is the first stage when it comes to model building . In our Project we have used the Convolutional Neural Network (CNN) approach which is one of the most used techniques for prediction in deep learning .	SL – 20	High	Sakshi Shirke	2024/10/20	2024/10/31
Sprint-3	Model Training (Adding Necessary Layers)	USN-3	After Model Selection stage the next step is to train the dataset by adding necessary layers like dense layer , flatten layer , MaxPooling layer and Convolutional Layer to predict correct results and provide efficient accuracy for the same .	SL - 21	High	Sakshi Shirke	2024/10/20	2024/10/31
Sprint-3	Model Evaluation (Fitting and saving the model)	USN-3	Model Evaluation is the last stage of model building . After the dataset is trained and tested it is fitted to predict accurate outcomes and then it is saved for building the flask application .	SL - 22	High	Sakshi Shirke	2024/10/20	2024/10/31

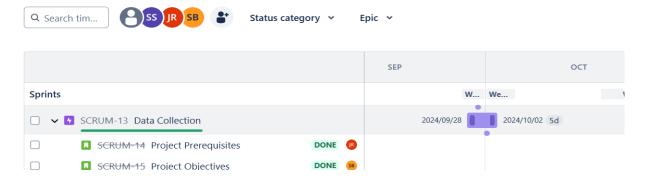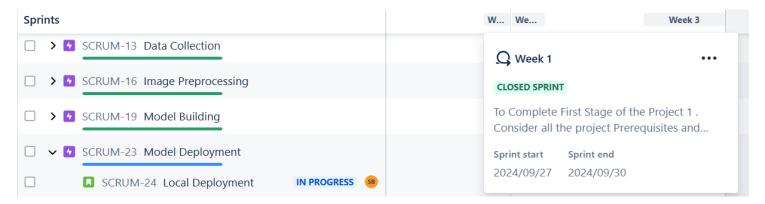| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-4	Local Deployment	USN-4	This Stage Involves model deployment on local machine to check the accuracy of the model and building HTML Templates .	SL – 24	High	Shrawani Bhambare	2024/11/15	2024/11/23
Sprint-4	Deployment on Cloud Server (Running Flask Application)	USN-4	Once the model is giving Accurate results for the breast cancer risk prediction , the next step is to make a flask application by loading the model and deploy the predicting system on a cloud server (Flask Application) .	SL – 25	High	Sakshi Shirke	2024/11/15	2024/11/23

Screenshots : - Information of team Members :
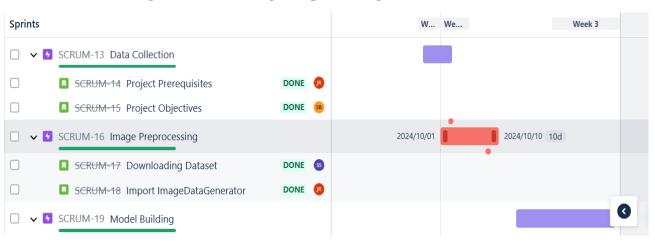
Week 1 : Understanding Project Prerequisites and Objectives :-

Week 2 : Downloading dataset and image Preprocessing :-

SCRUM-13 Data Collection

SCRUM-16 Image Preprocessing

SCRUM-19 Model Building

SCRUM-23 Model Deployment

SCRUM-24 Local Deployment   **IN PROGRESS**   SB

Week 2

CLOSED SPRINT

To complete Second Stage of the Project ie Image preprocessing using CNNs

Sprint start	Sprint end
2024/10/01	2024/10/05

Week 3 : Model Building Stage : -

Search tim...   SS JR SB

Status category ⌄   Epic ⌄

Sprints	SEP	OCT		NOV
		W... We...	Week 3	Week 4
SCRUM-16 Image Preprocessing				
SCRUM-17 Downloading Dataset DONE SS				
SCRUM-18 Import ImageDataGenerator DONE JR				
SCRUM-19 Model Building		2024/10/14 ——— 2024/10/30 17d		
SCRUM-20 Model Selection DONE SS				
SCRUM-21 Model Training (Adding Necessa... DONE SS				
SCRUM-22 Model Evaluation (Fitting and Ac... DONE SS				

Quickstart

Week 4 : Model Deployment and running Flask Application :-

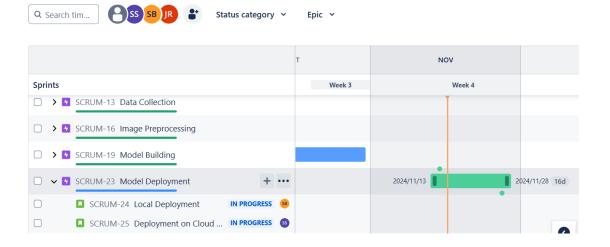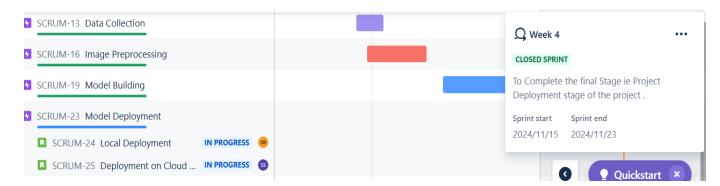|			
⚡ SCRUM-13 Data Collection			
⚡ SCRUM-16 Image Preprocessing			
⚡ SCRUM-19 Model Building			
⚡ SCRUM-23 Model Deployment			
📗 SCRUM-24 Local Deployment	IN PROGRESS	SB	
📗 SCRUM-25 Deployment on Cloud ...	IN PROGRESS	SS	

Q Week 4 ...

CLOSED SPRINT

To Complete the final Stage ie Project Deployment stage of the project .

Sprint start   Sprint end
2024/11/15   2024/11/23

◀   💡 Quickstart ✕

Kanban Board : -

🔍 Search   👤 SS SB 👤+   Epic ⌄   GROUP BY   None ⌄   📈 ⚙

TO DO 1

Deployment on Cloud Server ✏️ ...
MODEL DEPLOYMENT
📗 SCRUM-25   - SS

IN PROGRESS 1

Local Deployment
MODEL DEPLOYMENT
📗 SCRUM-24   SB

DONE ✓

➕