Initial Project

Planning Template

Date	8 July 2024
Team ID	SWTID1720162737
Project Name	Predicting Compressive Strength of Concrete Using Machine Learning
Maximum Marks	4 Marks

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

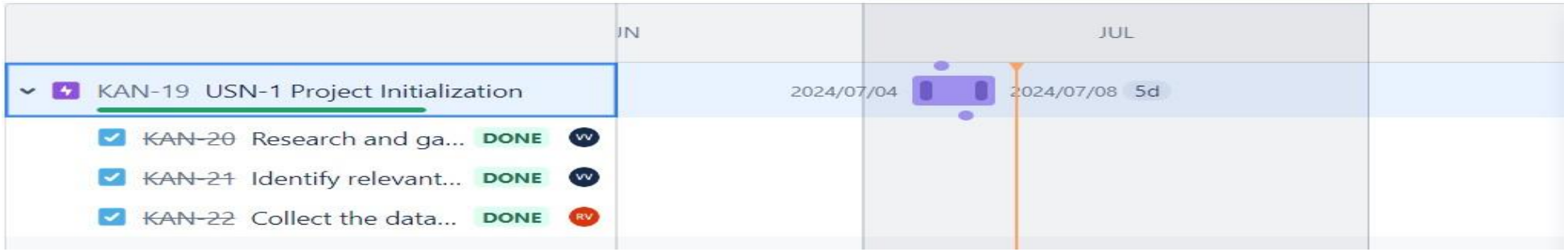
Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Project initialization	USN-2	Research and gather data on concrete composition and properties.	2	High	Veda Sri	04/07/2024	08/07/2024
Sprint-1	Project initialization	USN-3	Identify relevant features affecting compressive strength	1	High	Veda Sri	04/07/2024	08/07/2024
Sprint-1	Project initialization	USN-4	Collect the dataset	2	Low	Renu Vaishnavi	04/07/2024	08/07/2024

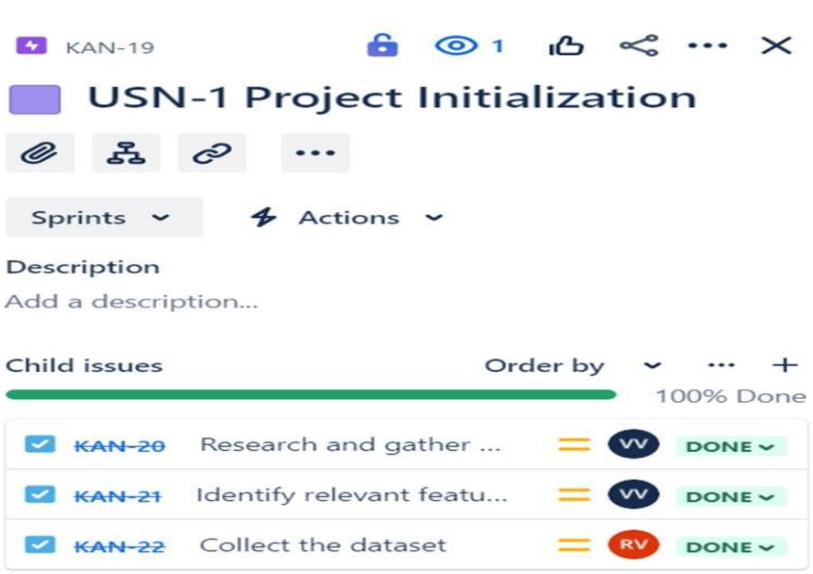
Sprint-2	Data collection and Preprocessing	USN-6	Clean the raw data to remove inconsistencies and errors.	2	Medium	Renu Vaishnavi	05/07/2024	09/07/2024
Sprint-2	Data collection and Preprocessing	USN-7	Handle missing values and perform imputation if necessary.	1	High	Sathwik	05/07/2024	09/07/2024
Sprint-2	Data collection and Preprocessing	USN-8	Perform feature scaling and normalization.	1	Medium	Sathwik	05/07/2024	09/07/2024
Sprint-2	Data collection and Preprocessing	USN-9	Encode categorical variables.	2	Medium	Sri Sai	05/07/2024	09/07/2024
Sprint-3	Model Building	USN-11	Split the dataset into training, validation, and test sets.	2	Medium	Sri Sai	11/07/2024	17/07/2024
Sprint-3	Model Building	USN-12	Select and implement baseline machine learning algorithms.	1	High	Veda Sri	11/07/2024	17/07/2024
Sprint-4	Model Building	USN-14	Perform hyperparameter tuning to optimize model performance.	2	Medium	Veda Sri	11/07/2024	17/07/2024
Sprint-4	Model Building	USN-15	Prepare a deployment plan and deploy the model.	1	High	Renu Vaishnavi	11/07/2024	17/07/2024
Sprint-5	Application Building	USN-16	Compare different machine learning models to select the best one.	1	Medium	Renu Vaishnavi	12/07/2024	18/07/2024
Sprint-5	Application Building	USN-18	Evaluate model performance using appropriate metrics.	2	Medium	Veda Sri	13/07/2024	18/07/2024
Sprint-6	Application Building	USN-20	Validate the model using the validation dataset.	2	High	Sri Sai	13/07/2024	19/07/2024

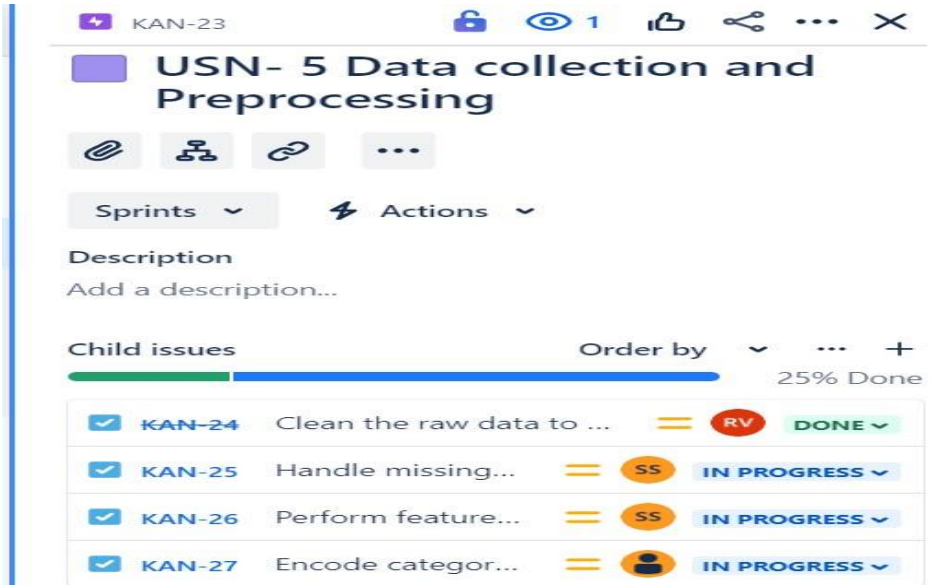
Sprint-6	Application Building	USN-22	Development of HTML pages	2	Medium	Sathwik	13/07/2024	19/07/2024
Sprint-7	Project report	USN-23	Completion of Project report	2	Medium	Sathwik	05/07/2024	20/07/2024

Sprint – 1:

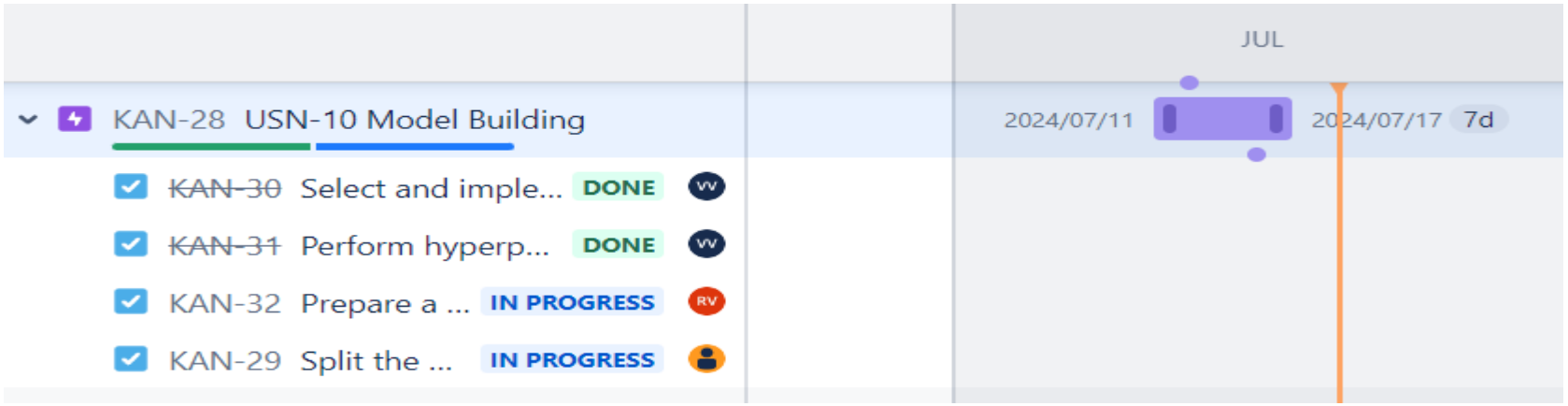


Sprint – 2&3:

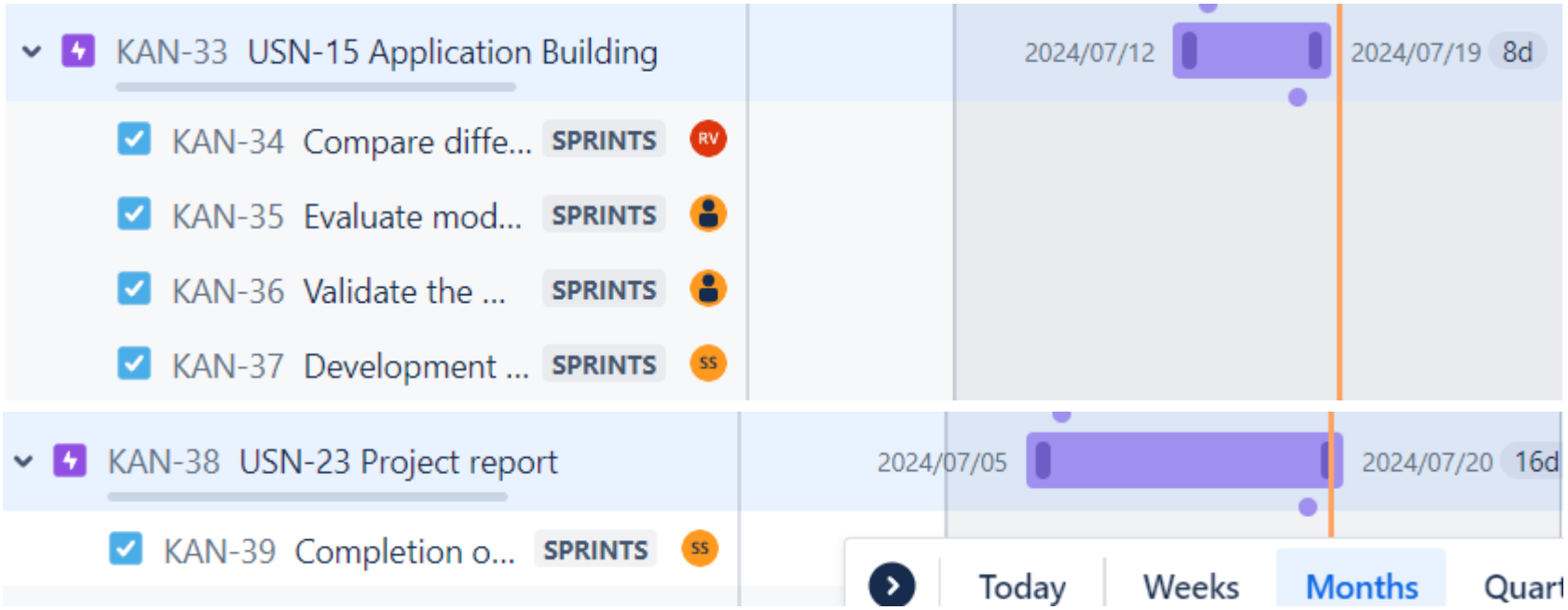

KAN-19
1
USN-1 Project Initialization
Sprints
Actions
Description
Add a description...
Child issues
Order by
100% Done
KAN-20 Research and gather ... VV DONE
KAN-21 Identify relevant featu... VV DONE
KAN-22 Collect the dataset RV DONE

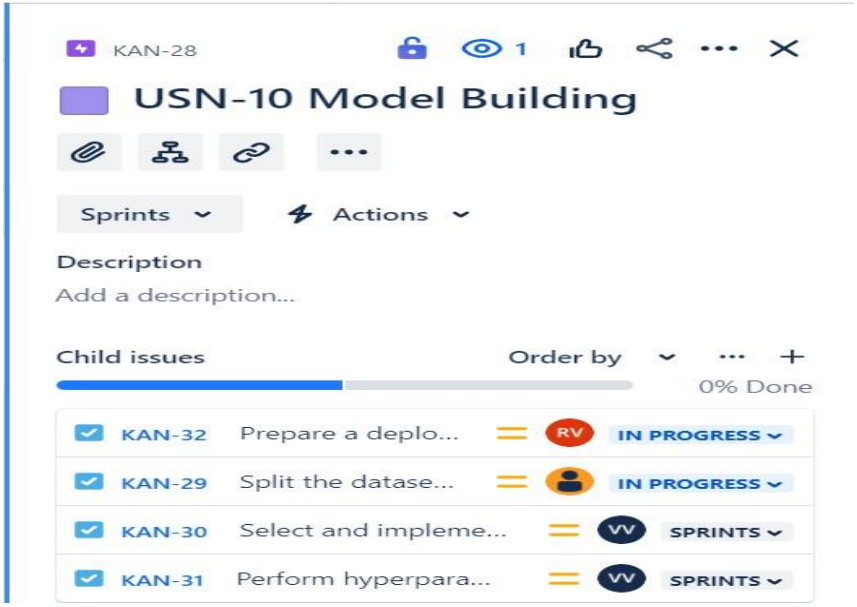

KAN-23
1
USN- 5 Data collection and Preprocessing
Sprints
Actions
Description
Add a description...
Child issues
Order by
25% Done
KAN-24 Clean the raw data to ... RV DONE
KAN-25 Handle missing... SS IN PROGRESS
KAN-26 Perform feature... SS IN PROGRESS
KAN-27 Encode categor... IN PROGRESS

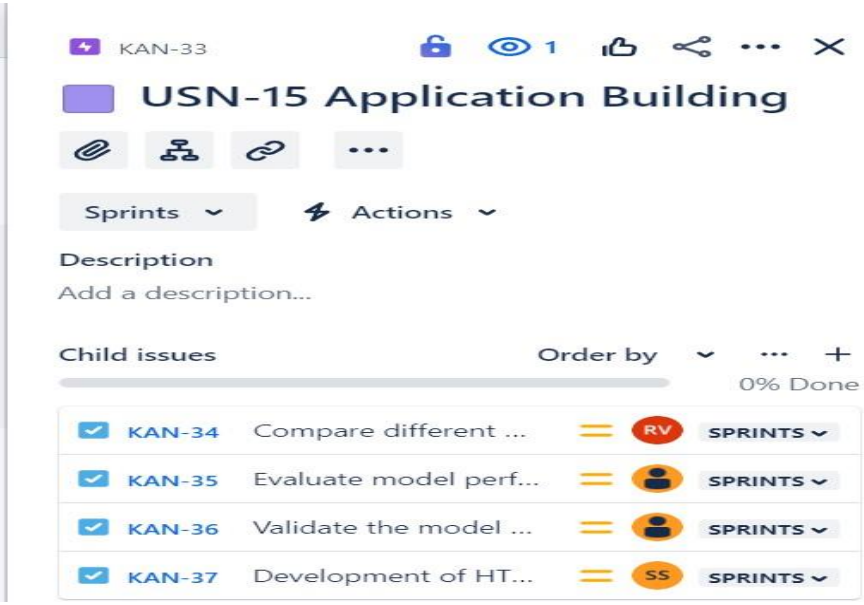
Sprint – 4&5:


JUL
KAN-28 USN-10 Model Building
2024/07/11
2024/07/17
7d
KAN-30 Select and imple... DONE VV
KAN-31 Perform hyperp... DONE VV
KAN-32 Prepare a ... IN PROGRESS RV
KAN-29 Split the ... IN PROGRESS

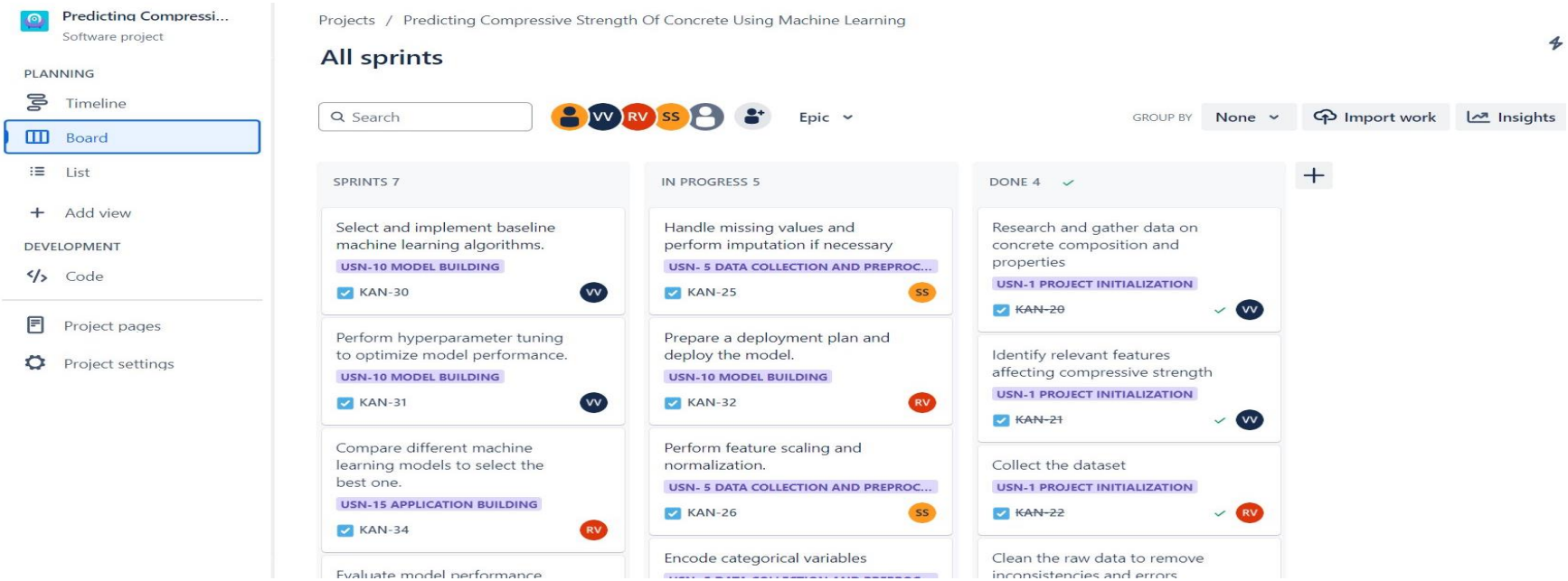
Sprint – 6&7:


KAN-33 USN-15 Application Building
2024/07/12
2024/07/19
8d
KAN-34 Compare diffe...
SPRINTS
RV
KAN-35 Evaluate mod...
SPRINTS
KAN-36 Validate the ...
SPRINTS
KAN-37 Development ...
SPRINTS
SS
KAN-38 USN-23 Project report
2024/07/05
2024/07/20
16d
KAN-39 Completion o...
SPRINTS
SS
Today
Weeks
Months
Quart


KAN-28
1
USN-10 Model Building
Sprints
Actions
Description
Add a description...
Child issues
Order by
0% Done
KAN-32 Prepare a deplo... RV IN PROGRESS
KAN-29 Split the datase... IN PROGRESS
KAN-30 Select and impleme... VV SPRINTS
KAN-31 Perform hyperpara... VV SPRINTS


KAN-33
1
USN-15 Application Building
Sprints
Actions
Description
Add a description...
Child issues
Order by
0% Done
KAN-34 Compare different ... RV SPRINTS
KAN-35 Evaluate model perf... SPRINTS
KAN-36 Validate the model ... SPRINTS
KAN-37 Development of HT... SS SPRINTS


N-38: USN-23 Project report
KAN-38
1
USN-23 Project report
Sprints
Actions
Description
Add a description...
Child issues
Order by
KAN-39 Completion of Proje... SS SPRINTS


Predicting Compressi...
Software project
PLANNING
Timeline
Board
List
Add view
DEVELOPMENT
Code
Project pages
Project settings
Projects / Predicting Compressive Strength Of Concrete Using Machine Learning
All sprints
Search
VV RV SS
Epic
GROUP BY None
Import work
Insights
SPRINTS 7
Select and implement baseline machine learning algorithms.
USN-10 MODEL BUILDING
KAN-30 VV
Perform hyperparameter tuning to optimize model performance.
USN-10 MODEL BUILDING
KAN-31 VV
Compare different machine learning models to select the best one.
USN-15 APPLICATION BUILDING
KAN-34 RV
Evaluate model performance
IN PROGRESS 5
Handle missing values and perform imputation if necessary
USN- 5 DATA COLLECTION AND PREPROC...
KAN-25 SS
Prepare a deployment plan and deploy the model.
USN-10 MODEL BUILDING
KAN-32 RV
Perform feature scaling and normalization.
USN- 5 DATA COLLECTION AND PREPROC...
KAN-26 SS
Encode categorical variables
DONE 4
Research and gather data on concrete composition and properties
USN-1 PROJECT INITIALIZATION
KAN-20 VV
Identify relevant features affecting compressive strength
USN-1 PROJECT INITIALIZATION
KAN-21 VV
Collect the dataset
USN-1 PROJECT INITIALIZATION
KAN-22 RV
Clean the raw data to remove inconsistencies and errors