Initial Project Planning Template

Date	9th 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)

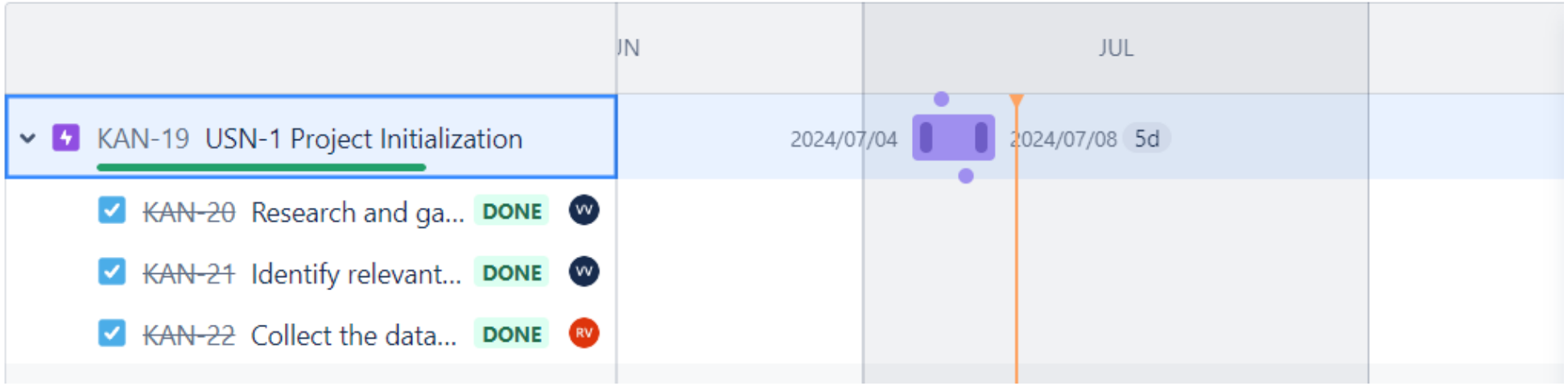
Use the below template to create a product backlog and sprint schedule

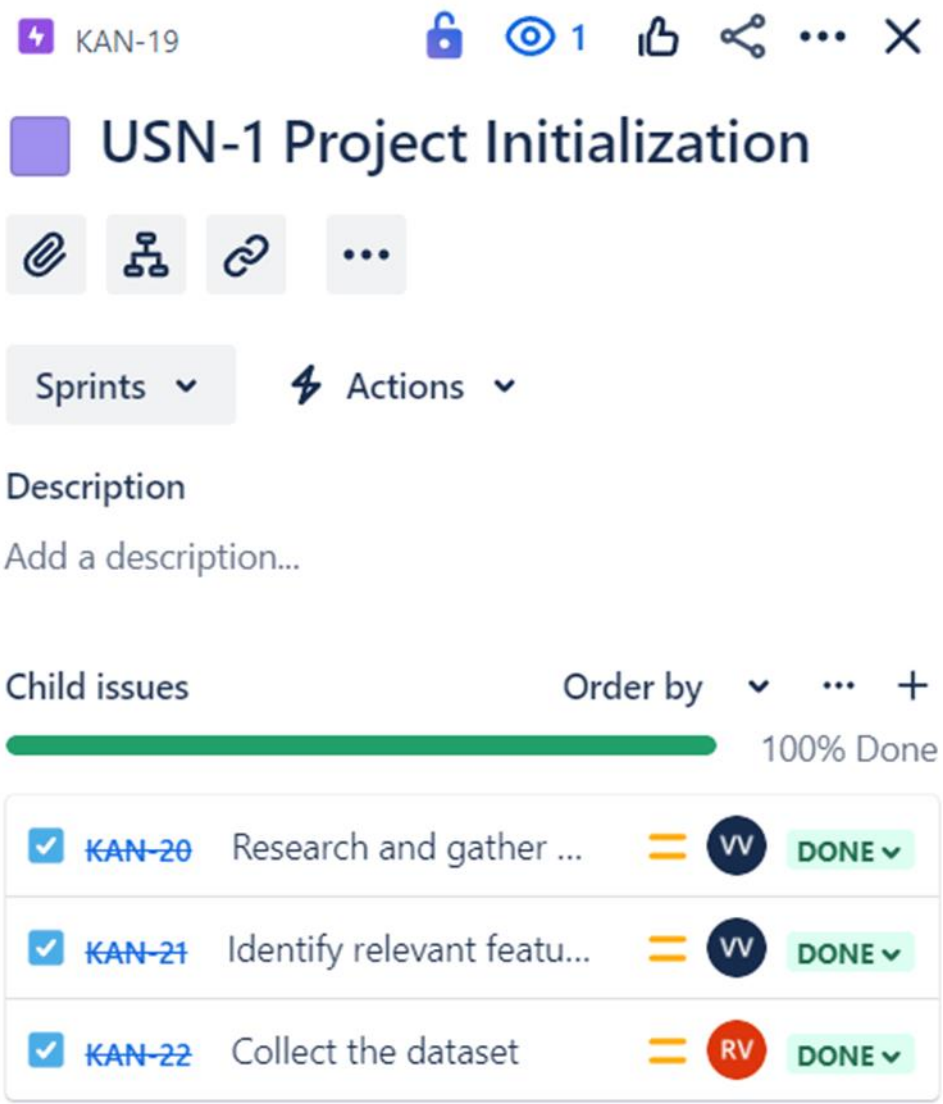
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Project initialization	USN-2	Research and gather data on concrete composition and properties.	2	High	Veda Sri	04/07/2024	08/07/2024
Sprint-1	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	06/07/2024	10/07/2024
Sprint-3	Model Building	USN-12	Select and implement baseline machine learning algorithms.	1	High	Veda Sri	06/07/2024	10/07/2024
Sprint-4	Model Building	USN-14	Perform hyperparameter tuning to optimize model performance.	2	Medium	Veda Sri	07/07/2024	11/07/2024
Sprint-4	Model Building	USN-15	Prepare a deployment plan and deploy the model.	1	High	Renu vaishnavi	07/07/2024	11/07/2024
Sprint-5	Application Building	USN-16	Compare different machine learning models to select the best one.	1	Medium	Renu vaishnavi	07/07/2024	11/07/2024
Sprint-5	Application Building	USN-18	Evaluate model performance using appropriate metrics.	2	Medium	Sri Sai	07/07/2024	11/07/2024
Sprint-6	Application Building	USN-20	Validate the model using the validation dataset.	2	High	Sri Sai	08/07/2024	11/07/2024

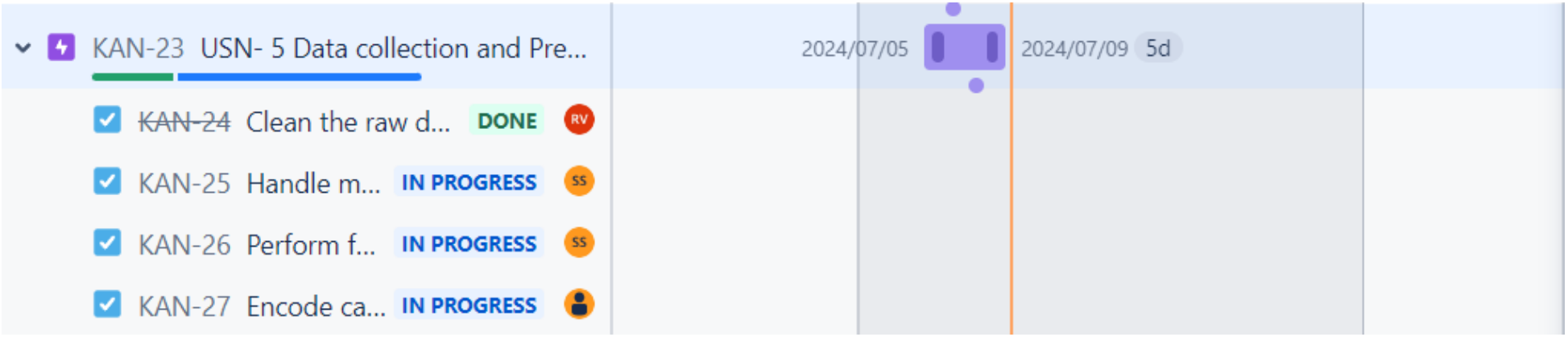
Sprint-6	Application Building	USN-22	Development of HTML pages	2	Medium	Sathwik	08/07/2024	11/07/2024
Sprint-7	Project report	USN-23	Completion of Project report	2	Medium	Sathwik	05/07/2024	11/07/2024

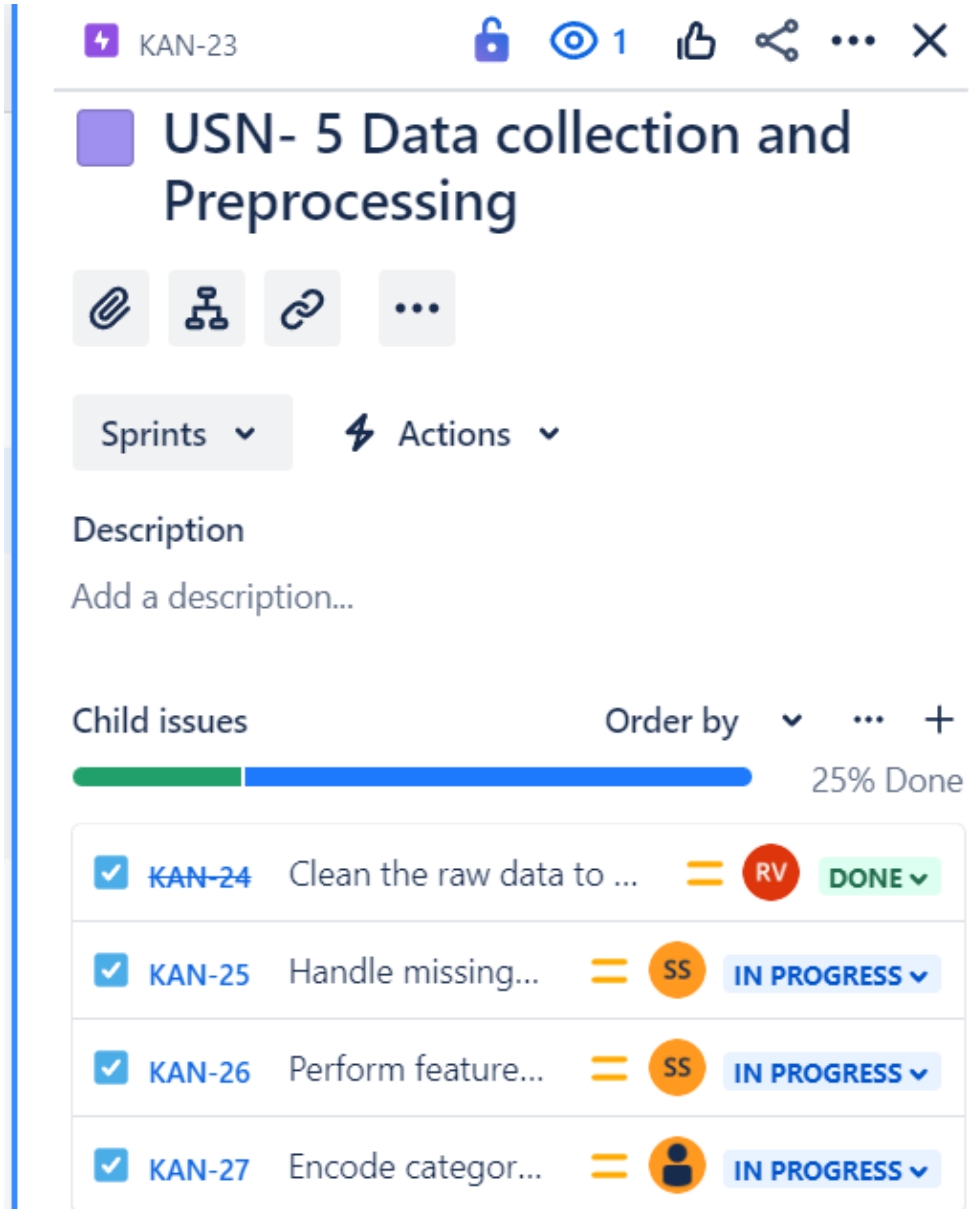
Sprint – 1:


JN
JUL
KAN-19 USN-1 Project Initialization
2024/07/04
2024/07/08
5d
KAN-20 Research and ga... DONE
KAN-21 Identify relevant... DONE
KAN-22 Collect the data... DONE

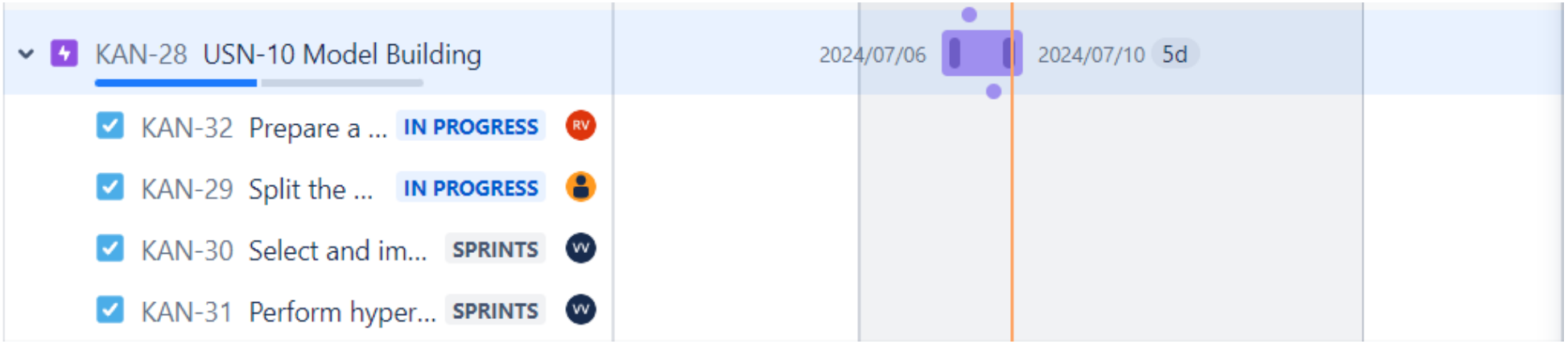

KAN-19
1
USN-1 Project Initialization
Sprints
Actions
Description
Add a description...
Child issues
Order by
100% Done
KAN-20 Research and gather ... VV DONE
KAN-21 Identify relevant featu... VV DONE
KAN-22 Collect the dataset RV DONE

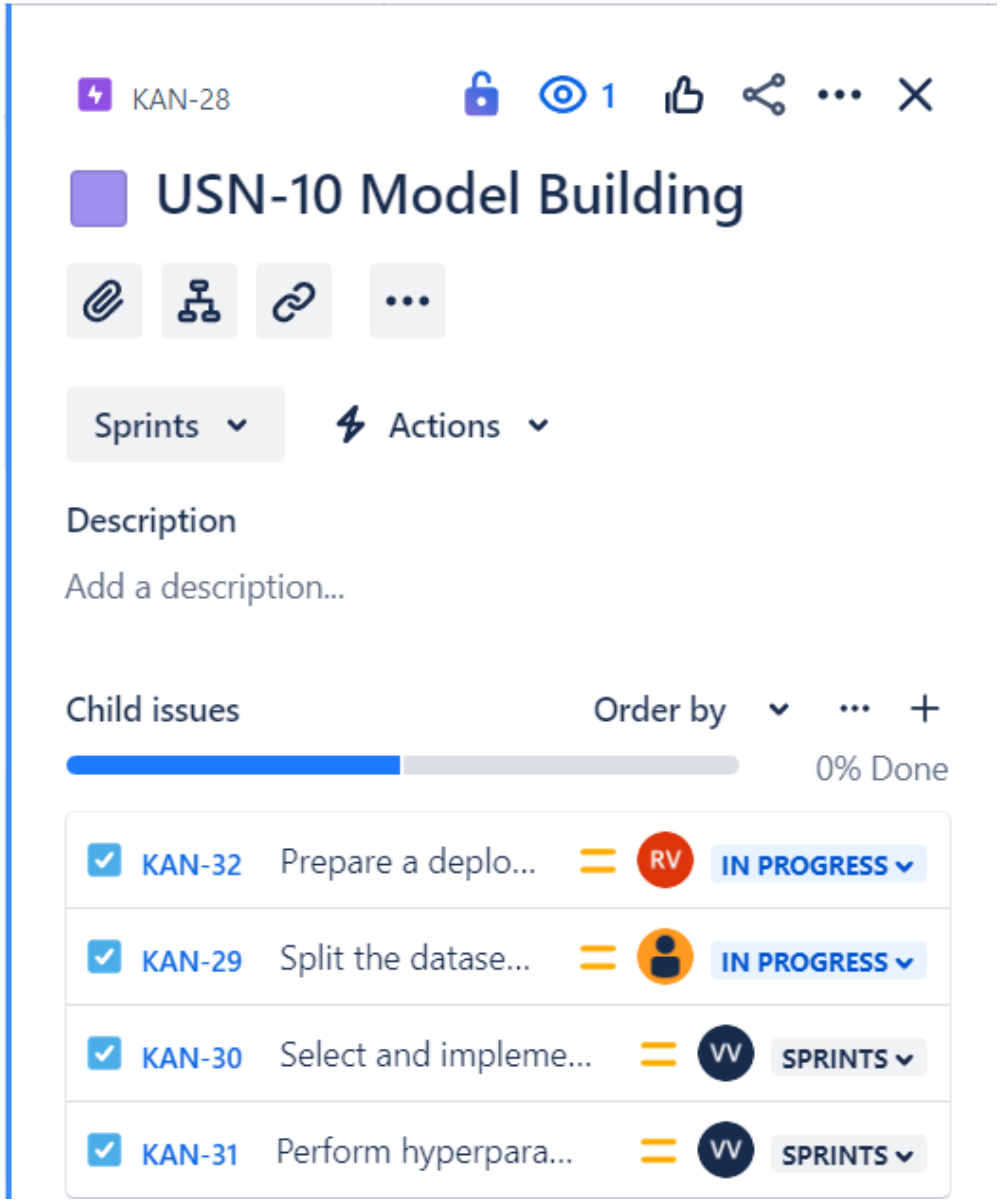
Sprint – 2&3:


KAN-23 USN- 5 Data collection and Pre...
2024/07/05
2024/07/09
5d
KAN-24 Clean the raw d... DONE
KAN-25 Handle m... IN PROGRESS
KAN-26 Perform f... IN PROGRESS
KAN-27 Encode ca... IN PROGRESS

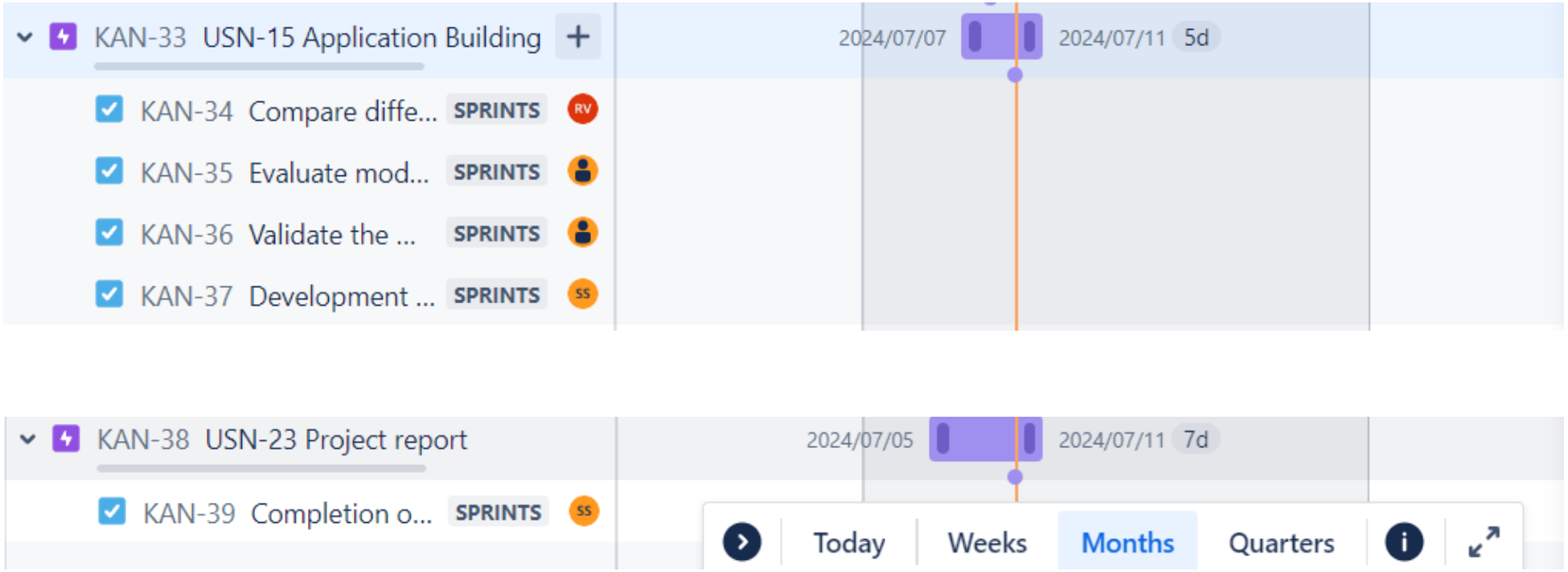

KAN-23
1
USN- 5 Data collection and Preprocessing
Sprints
Actions
Description
Add a description...
Child issues
Order by
25% Done
KAN-24 Clean the raw data to ... RV DONE
KAN-25 Handle missing... SS IN PROGRESS
KAN-26 Perform feature... SS IN PROGRESS
KAN-27 Encode categor... IN PROGRESS

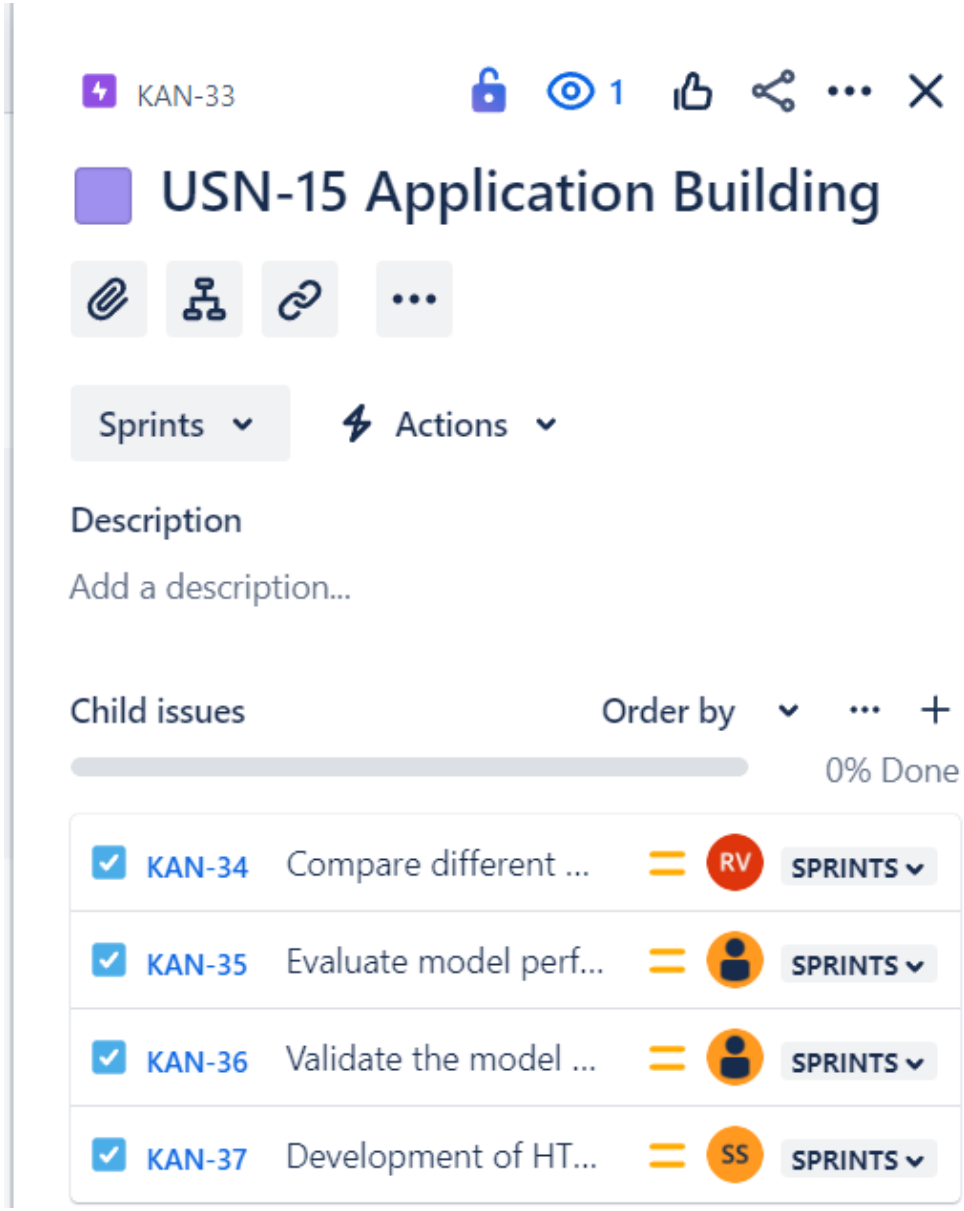
Sprint – 4&5:

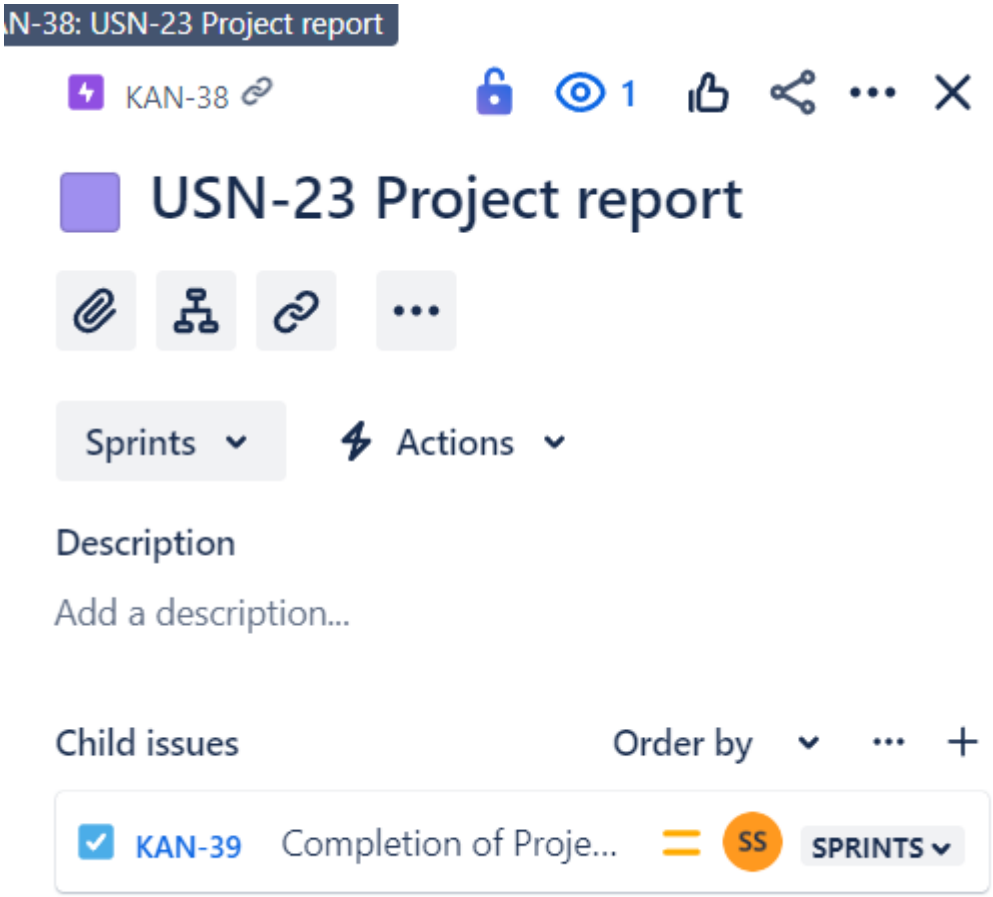

KAN-28 USN-10 Model Building
2024/07/06
2024/07/10
5d
KAN-32 Prepare a ...
IN PROGRESS
KAN-29 Split the ...
IN PROGRESS
KAN-30 Select and im...
SPRINTS
KAN-31 Perform hyper...
SPRINTS

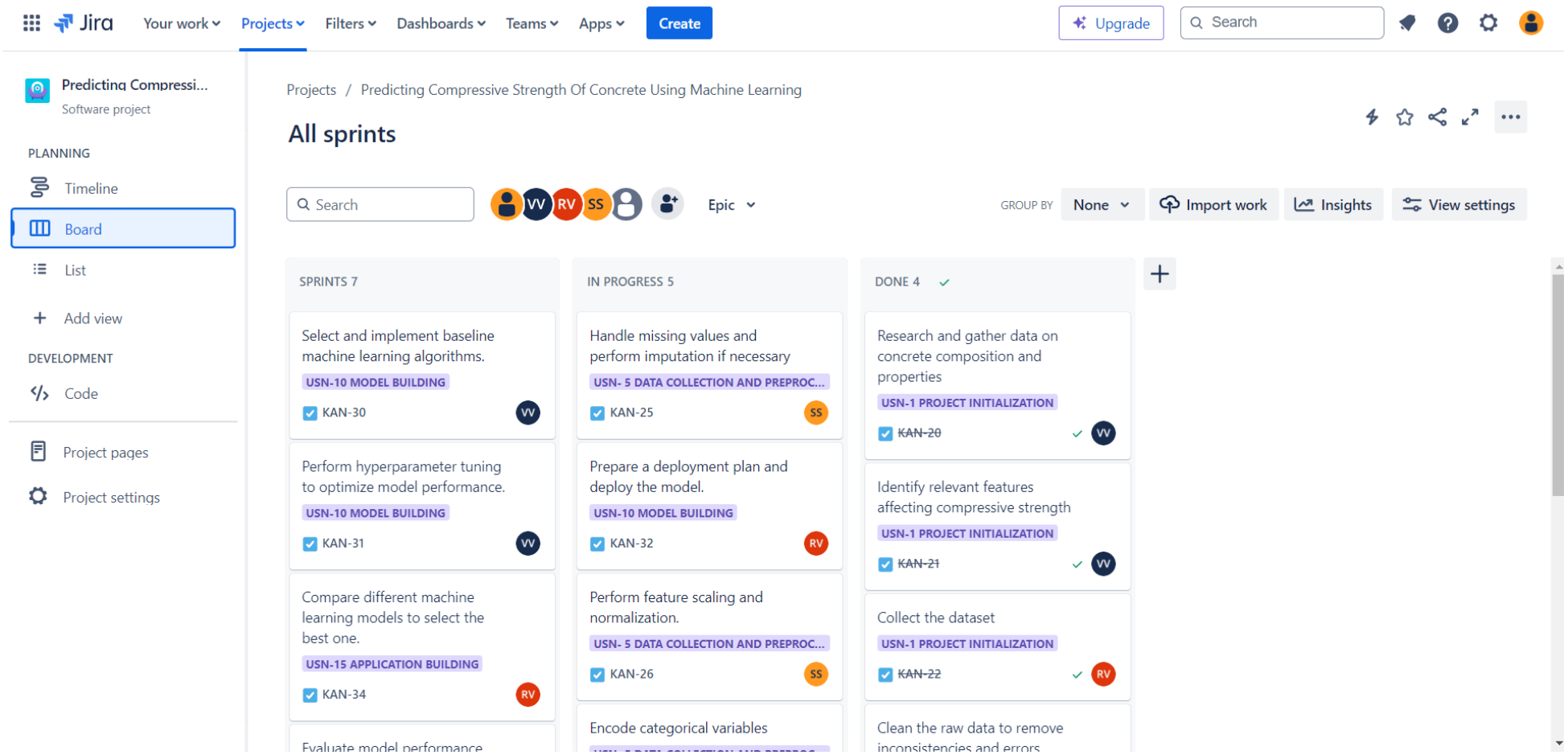

KAN-28
1
USN-10 Model Building
Sprints
Actions
Description
Add a description...
Child issues
Order by
0% Done
KAN-32 Prepare a deplo... RV IN PROGRESS
KAN-29 Split the datase... IN PROGRESS
KAN-30 Select and impleme... VV SPRINTS
KAN-31 Perform hyperpara... VV SPRINTS

Sprint – 6&7:


KAN-33 USN-15 Application Building
2024/07/07
2024/07/11
5d
KAN-34 Compare diffe... SPRINTS
KAN-35 Evaluate mod... SPRINTS
KAN-36 Validate the ... SPRINTS
KAN-37 Development ... SPRINTS
KAN-38 USN-23 Project report
2024/07/05
2024/07/11
7d
KAN-39 Completion o... SPRINTS
Today
Weeks
Months
Quarters


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


Jira
Your work
Projects
Filters
Dashboards
Teams
Apps
Create
Upgrade
Search
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
Epic
GROUP BY
None
Import work
Insights
View settings
SPRINTS 7
IN PROGRESS 5
DONE 4
Select and implement baseline machine learning algorithms.
USN-10 MODEL BUILDING
KAN-30
Perform hyperparameter tuning to optimize model performance.
USN-10 MODEL BUILDING
KAN-31
Compare different machine learning models to select the best one.
USN-15 APPLICATION BUILDING
KAN-34
Evaluate model performance
Handle missing values and perform imputation if necessary
USN- 5 DATA COLLECTION AND PREPROC...
KAN-25
Prepare a deployment plan and deploy the model.
USN-10 MODEL BUILDING
KAN-32
Perform feature scaling and normalization.
USN- 5 DATA COLLECTION AND PREPROC...
KAN-26
Encode categorical variables
Research and gather data on concrete composition and properties
USN-1 PROJECT INITIALIZATION
KAN-20
Identify relevant features affecting compressive strength
USN-1 PROJECT INITIALIZATION
KAN-21
Collect the dataset
USN-1 PROJECT INITIALIZATION
KAN-22
Clean the raw data to remove inconsistencies and errors