Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	27-10-2023
Team ID	Team-592660
Project Name	Detecting COVID-19 From Chest X-Rays Using Deep Learning Techniques
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project Setup	USN-1	Create a development environment with the necessary tools and frameworks for the COVID-19 detection project.	1	High	Hruthik
Sprint-1	Infrastructure	USN-2	Plan the infrastructure for data storage, model training, and web interface deployment	2	Medium	Hruthik
Sprint-2	Data collection	USN-3	Gather a diverse dataset of chest X-rays containing COVID-19, pneumonia, bronchitis, and normal cases.	2	High	Phaneendra
Sprint-2	Data preprocessing	USN-4	Resize chest X-ray images to a consistent size. Normalize pixel values to a standard range.	4	High	Phaneendra
Sprint-3	Model Development	USN-5	Developing a deep learning model using CNNs to accurately detect COVID-19 from chest X-rays.	4	High	Hruthik
Sprint-4	Model Training	USN-6	Assess the model's performance using evaluation metrics. Ensure the model effectively distinguishes COVID-19 cases from other respiratory conditions.	5	High	Monaalika
Sprint-5	Model deployment & Integration	USN-7	Deploy the trained deep learning model as an API or web service. Create a user-friendly web interface for uploading chest X-ray images	2	medium	Phaneendra
Sprint-6	Model testing	USN-8	Tested the model on a separate dataset of chest X rays to evaluate its performance and accuracy	2	medium	Monaalika

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	3 Days	15 Oct 2023	18 Oct 2023	3	18 Oct 2023
Sprint-2	6	4 Days	18 Oct 2023	22 Oct 2023	6	22 Oct 2023
Sprint-3	4	4 Days	22 Oct 2023	26 Oct 2023	4	26 Oct 2023
Sprint-4	5	5 Days	26 Oct 2023	31 Oct 2023	1	27 Oct 2023
Sprint-5	2	6 Days	31 Oct 2023	6 Nov 2023	Yet to start	
Sprint-6	2	7 Days	6 Nov 2023	13 Nov 2023	Yet to start	
Total Sprints		29 Days				

Velocity:

Imagine we have a 29-days sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

AV= sprint duration / velocity
AV= 29 / 20 = 1.45

Sprint-1: 3 user stories x 20 story points = 60, Sprint-2: 6 user stories x 20 story points = 120
Sprint-3: 4 user stories x 20 story points = 80, Sprint-4: 1 user story x 20 story points = 20 Total = 280

So, your average of completed story points is 280 ÷ 4= 70.

Burndown Chart:

For Sprint 1:

Sprint burndown BETA

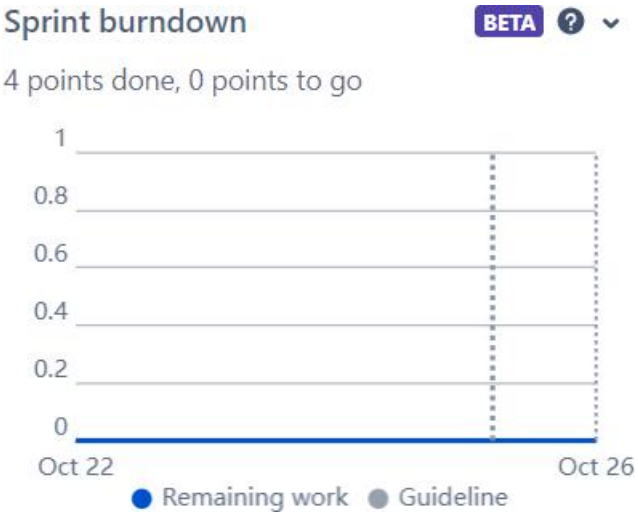
3 points done, 0 points to go

For Sprint 2:

Sprint burndown BETA

6 points done, 0 points to go

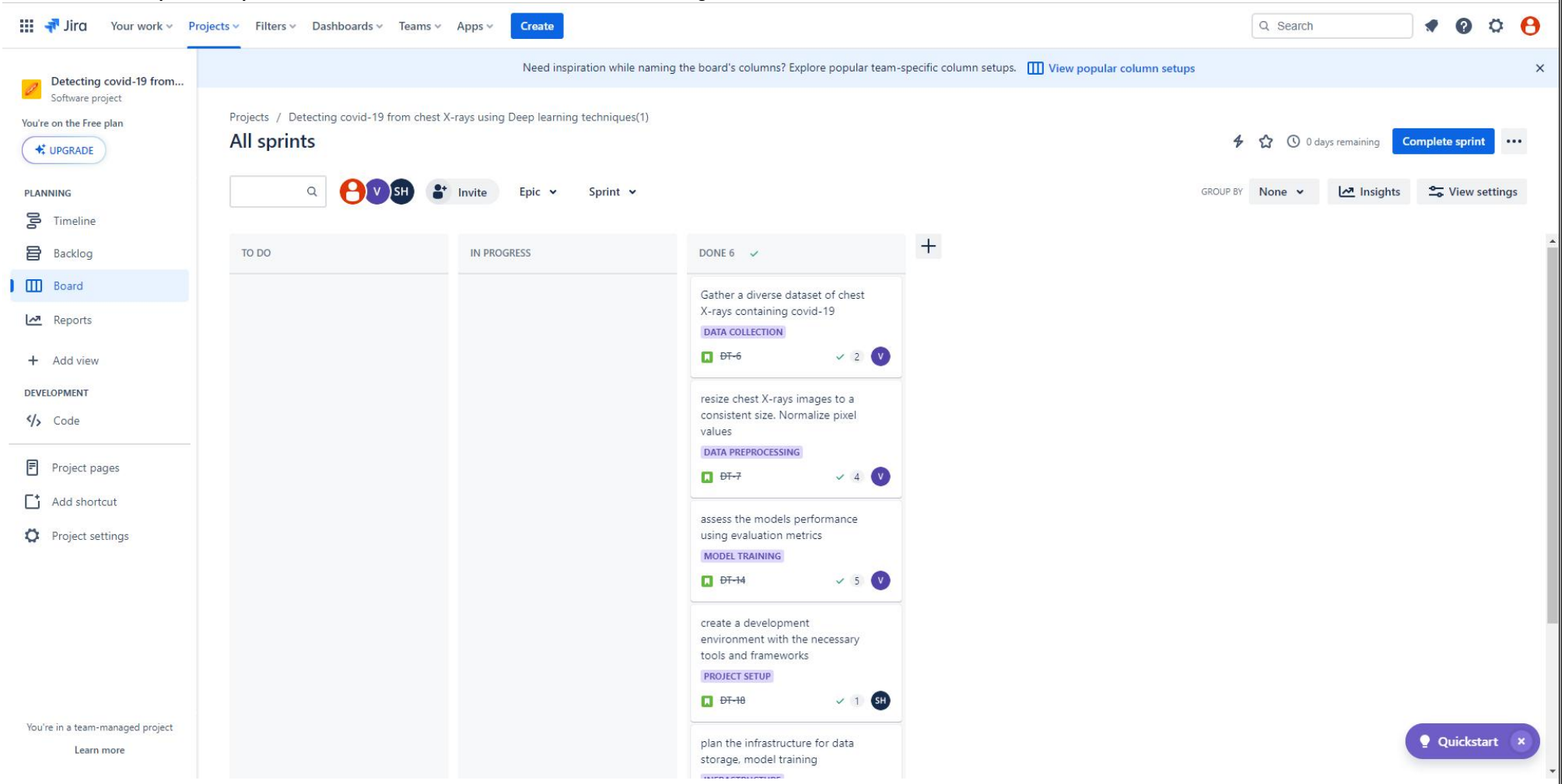
For Sprint 3:



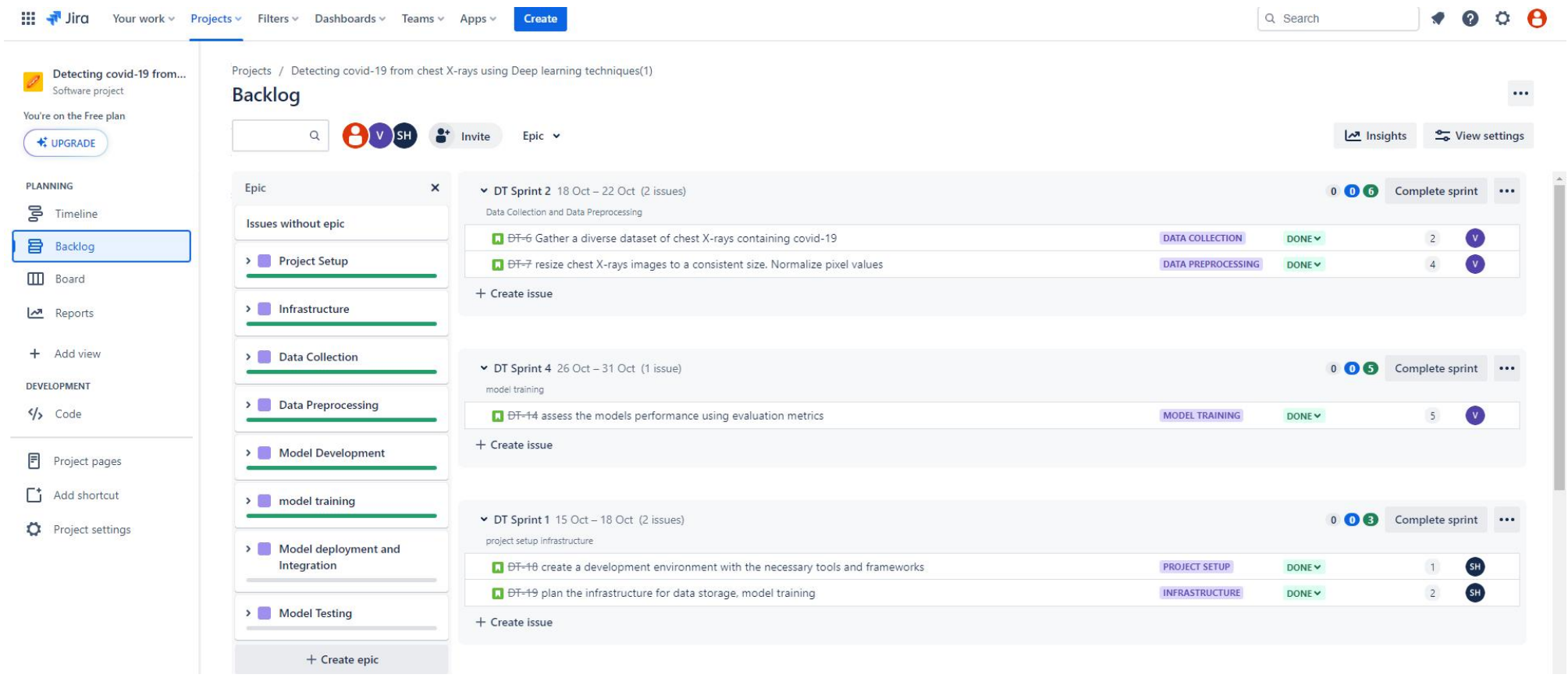
For Sprint 4:

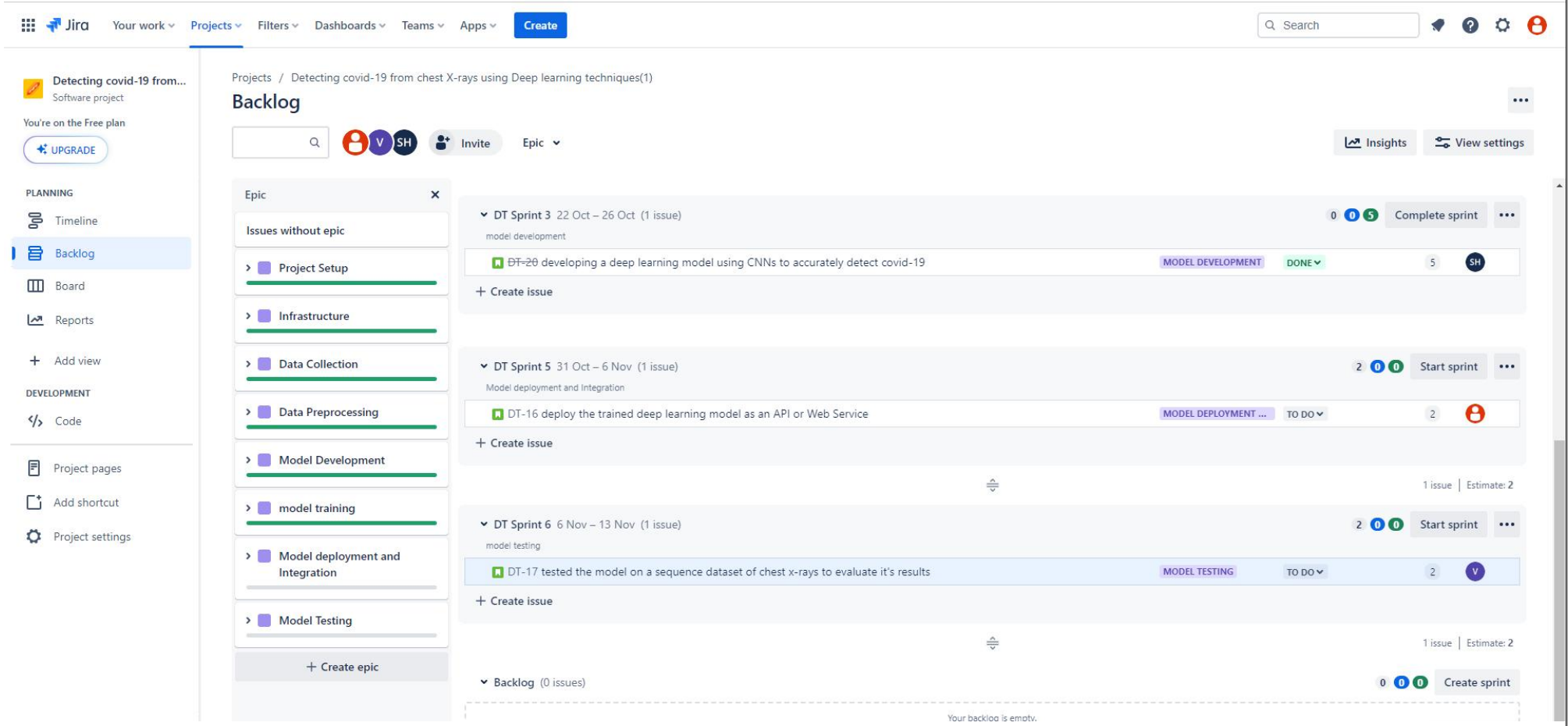
Board section:

We have completed sprint 1, 2 and 3. So we can see the remaining tasks on board.

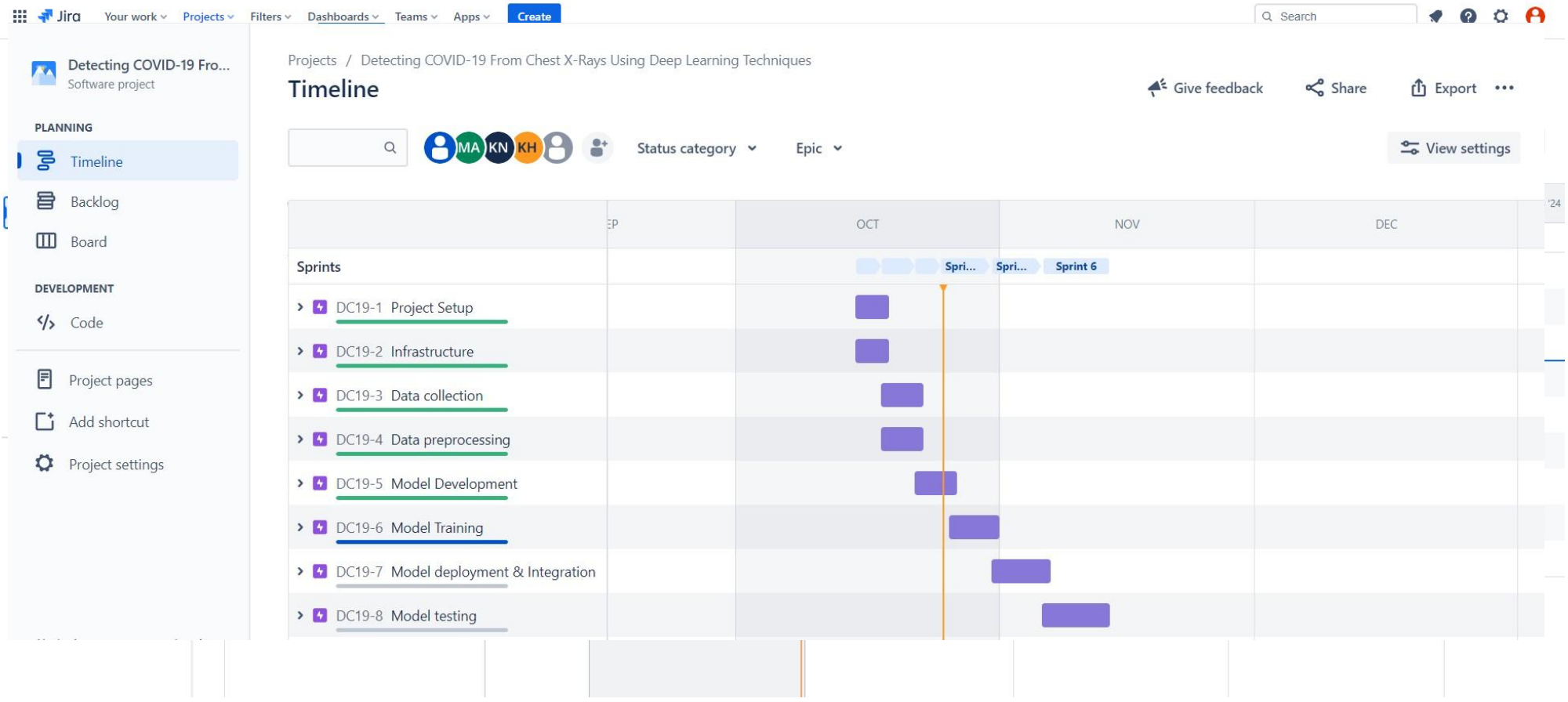


Backlog section:




Jira
Your work
Projects
Filters
Dashboards
Teams
Apps
Create
Search
Detecting covid-19 from...
Software project
You're on the Free plan
UPGRADE
PLANNING
Timeline
Backlog
Board
Reports
Add view
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
Projects / Detecting covid-19 from chest X-rays using Deep learning techniques(1)
Backlog
Invite
Epic
Insights
View settings
Epic
Issues without epic
Project Setup
Infrastructure
Data Collection
Data Preprocessing
Model Development
model training
Model deployment and Integration
Model Testing
Create epic
DT Sprint 3 22 Oct – 26 Oct (1 issue)
model development
Complete sprint
~~DT-20~~ developing a deep learning model using CNNs to accurately detect covid-19
MODEL DEVELOPMENT
DONE
Create issue
DT Sprint 5 31 Oct – 6 Nov (1 issue)
Model deployment and Integration
Start sprint
DT-16 deploy the trained deep learning model as an API or Web Service
MODEL DEPLOYMENT ...
TO DO
Create issue
1 issue | Estimate: 2
DT Sprint 6 6 Nov – 13 Nov (1 issue)
model testing
Start sprint
DT-17 tested the model on a sequence dataset of chest x-rays to evaluate it's results
MODEL TESTING
TO DO
Create issue
1 issue | Estimate: 2
Backlog (0 issues)
Create sprint
Your backlog is empty.

Timeline:


Jira
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Detecting COVID-19 Fro...
Software project
PLANNING
Timeline
Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
Projects / Detecting COVID-19 From Chest X-Rays Using Deep Learning Techniques
Timeline
Give feedback
Share
Export
MA
KN
KH
Status category
Epic
View settings
OCT
NOV
DEC
Sprints
Spri...
Spri...
Sprint 6
DC19-1 Project Setup
DC19-2 Infrastructure
DC19-3 Data collection
DC19-4 Data preprocessing
DC19-5 Model Development
DC19-6 Model Training
DC19-7 Model deployment & Integration
DC19-8 Model testing