

## Initial Project Planning Template

|               |  |
|---------------|--|
| Date          | 7 July 2024  |
| Team ID       | SWTID1720527361  |
| Project Name  | TrafficTellgence: Advanced Traffic Volume Estimation with 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 | Data Collection and Cleaning  | TRAF-6            | Data Collection and integration  | 2            | High     | Aman         | 07/07/2024        | 10/07/2024                |
| Sprint-1 | Data Collection and Cleaning  | TRAF -7           | Handling Null values             | 1            | Medium   | Aman         | 07/07/2024        | 10/07/2024                |
| Sprint-1 | Data Collection and Cleaning  | TRAF -8           | Handling noise and inconsistency | 1            | Medium   | Aman         | 07/07/2024        | 10/07/2024                |
| Sprint-1 | Data Collection and Cleaning  | TRAF -9           | Handling Duplicates              | 1            | Low      | Ruptanay     | 07/07/2024        | 10/07/2024                |

| 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 and Cleaning          | TRAF -10          | Handling Outliers                       | 1            | Low      | Ruptanay       | 07/07/2024        | 10/07/2024                |
| Sprint-2 | Data Transformation and visualization | TRAF -11          | Handling Categorical Data               | 2            | High     | Anamika        | 11/07/2024        | 15/07/2024                |
| Sprint-2 | Data Transformation and visualization | TRAF -12          | Handling Imbalance Data                 | 2            | Medium   | Animaka        | 11/07/2024        | 15/07/2024                |
| Sprint-2 | Data Transformation and visualization | TRAF -14          | Feature Scaling                         | 3            | Low      | Prajwal        | 11/07/2024        | 15/07/2024                |
| Sprint-2 | Data Transformation and visualization | TRAF -15          | Data Visualization                      | 2            | Low      | Prajwal        | 11/07/2024        | 15/07/2024                |
| Sprint-2 | Model Development                     | TRAF -16          | Dimension reduction and Model Selection | 3            | High     | Anamika        | 16/07/2024        | 19/07/2024                |
| Sprint-3 | Model Development                     | TRAF -17          | Model Training and Testing              | 3            | High     | Prajwal & Aman | 16/07/2024        | 19/07/2024                |
| Sprint-3 | Model Development                     | TRAF -19          | Model Evaluation                        | 2            | Medium   | Ruptanay       | 16/07/2024        | 19/07/2024                |
| Sprint-3 | Model Development                     | TRAF -20          | Model Tuning and Testing                | 3            | High     | Prajwal        | 16/07/2024        | 19/07/2024                |

| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>              | <b>Story Points</b> | <b>Priority</b> | <b>Team Members</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> |
|---------------|--------------------------------------|--------------------------|---------------------------------------|---------------------|-----------------|---------------------|--------------------------|----------------------------------|
| Sprint-3      | Model Deployment                     | TRAF -21                 | Building HTML Template and Deployment | 2                   | High            | Aman                | 16/07/2024               | 19/07/2024                       |

|  |  |   |  |
|--|--|---|--|
| ⚡ TRAF-1 Project Initialization and Planning         |  |   |  |
| ▼ ⚡ TRAF-2 Data Collection and Cleaning              |  |   |  |
| 📌 TRAF-6 Data Collection a... <b>DONE</b> <b>AK</b>  |  | ■ |  |
| 📌 TRAF-7 Handling Null Va... <b>DONE</b> <b>AK</b>   |  | ■ |  |
| 📌 TRAF-8 Handling Noise ... <b>DONE</b> <b>AK</b>    |  | ■ |  |
| 📌 TRAF-9 Handling Dublic... <b>DONE</b> <b>RP</b>    |  | ■ |  |
| 📌 TRAF-10 Handling Outliers <b>DONE</b> <b>RP</b>    |  | ■ |  |
| ▼ ⚡ TRAF-3 Data Transformation and visualiz...       |  |   |  |
| 📌 TRAF-11 Handling Cate... <b>TO DO</b> <b>AB</b>    |  | ■ |  |
| 📌 TRAF-12 Handling Imbal... <b>TO DO</b> <b>AB</b>   |  | ■ |  |
| 📌 TRAF-14 Feature Scaling <b>TO DO</b> <b>PS</b>     |  | ■ |  |
| 📌 TRAF-15 Data Visualizati... <b>TO DO</b> <b>PS</b> |  | ■ |  |
| ➤ ⚡ TRAF-4 Model Development                         |  | ■ |  |
| ➤ ⚡ TRAF-5 Model Deployment                          |  | ■ |  |



PLANNING

Timeline

**Backlog**

Board

+ Add view

DEVELOPMENT

Code

Project pages

Project settings

Projects / Traffic Intelligence

## Backlog

Search

PS +2



Epic

Import work

Insights

View settings

TRAF Sprint 2 7 Jul – 7 Jul (5 issues)

9 0 0 Start sprint

|         |   |                      |       |   |    |
|---------|---|----------------------|-------|---|----|
| TRAF-11 | Handling Categorical Data               | DATA TRANSFORMATI... | TO DO | 1 | AB |
| TRAF-12 | Handling Imbalance Data                 | DATA TRANSFORMATI... | TO DO | 2 | AB |
| TRAF-14 | Feature Scaling                         | DATA TRANSFORMATI... | TO DO | 1 | PS |
| TRAF-15 | Data Visualization                      | DATA TRANSFORMATI... | TO DO | 2 | PS |
| TRAF-16 | Dimention reduction and Model Selection | MODEL DEVELOPMENT    | TO DO | 3 | PS |

+ Create issue

5 issues | Estimate: 9

TRAF Sprint 3 8 Jul – 9 Jul (4 issues)


5 0 0 Start sprint

|         |                                       |                   |       |   |   |
|---------|---------------------------------------|-------------------|-------|---|---|
| TRAF-17 | Model Training and Testing            | MODEL DEVELOPMENT | TO DO | 3 | = |
| TRAF-19 | Model Evaluation                      | MODEL DEVELOPMENT | TO DO | 2 | = |
| TRAF-20 | Model Tuning and Testing              | MODEL DEVELOPMENT | TO DO | - | = |
| TRAF-21 | Building HTML Template and Deployment | MODEL DEPLOYMENT  | TO DO | - | = |



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## TRAF Sprint 2

    Epic ▾

GROUP BY None ▾  Import

### TO DO 2

Data Visualization


DATA TRANSFORMATION AND VISUALIZ...

 TRAF-15

2 

Dimention reduction and Model Selection

MODEL DEVELOPMENT

 TRAF-16

3 

+ Create issue

### IN PROGRESS 1

Feature Scaling

DATA TRANSFORMATION AND VISUALIZ...

 TRAF-14

1 

### DONE 2 ✓

Handling Categorical Data

DATA TRANSFORMATION AND VISUALIZ...

 TRAF-11

✓ 1 

Handling Imbalance Data

DATA TRANSFORMATION AND VISUALIZ...

 TRAF-12

✓ 2 