

Initial Project Planning Template

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| Date | 27 September2024 |
| Team ID | 739734 |
| Project Name | Ai-powered vehicle damage assessment and cost estimation for insurance claims |
| 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 | USN-1 | As a user, I can collect a diverse dataset of social media comments, including both toxic and non-toxic comments from various social media platforms | 5 | High | GURRALA RUTHIKREDDY | 20/10/2024 | 21/10/2024 |
| Sprint-2 | Data Preprocessing | USN-2 | As a user, I can import libraries like numpy, pandas, matplotlib and seaborn. As a user I can read the datasets | 3 | High | GURRALA RUTHIKREDDY | 22/10/2024 | 23/10/2024 |
| Sprint-2 | Data Preprocessing | USN-4 | As a user, I In data preprocessing for toxic comment classification, | 3 | Medium | DODDE RUCHITHA | 24/10/2024 | 26/10/2024 |

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| | | | vectorizing involves transforming text data into numerical representations for machine learning models | | | | | |
| Sprint-3 | Model Building& Model Selection | USN-5 | As a user, I can select Logistic regression is chosen for toxic comment classification on social media due to its simplicity, interpretability, and effectiveness in binary classification tasks. | 3 | High | GURRALA RUTHIKREDDY DODDE RUCHITHA | 27/10/2024 | 28/10/2024 |
| Sprint-4 | Model Training | USN-6 | As a user, I can Training a logistic regression model on the preprocessed data . Evaluating the model's performance by using relevant metrics like accuracy_score, precision etc. Building a multi-label classifier using Logistic Regression. For each | 3 | Medium | GURRALA RUTHIKREDDY DODDE RUCHITHA | 29/10/2024 | 1/11/2024 |

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| | | | target variable, the model is fitted and saved | | | | | |
| Sprint-5 | Creating and Generating Submission file | USN-7 | As a user, I can create and generate a submission file for toxic comment classification, you compile your model's predictions into the required CSV format and save the trained model using pickle.dump for future use | 3 | High | GURRALA RUTHIKREDDY | 2/11/2024 | 4/11/2024 |
| Sprint-6 | Application Building | USF-9 | As a user, In building a Flask app for toxic comment classification, you create API endpoints to accept text input, process it through your trained model, and return the prediction results | 4 | High | GURRALA RUTHIKREDDY | 5/11/2024 | 7/11/2024 |
| Sprint-6 | Model Development | USF-10 | To build an HTML page for toxic comment classification on social media, as a user, you design a web interface to input comments, integrate | 4 | Medium | DODDE RUCHITHA | 8/11/2024 | 10/11/2024 |

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| | | | the model for prediction, and display the results | | | | | |
| Sprint-6 | Model Development | USF-11 | As a user ,I can Execute the python code and after the module is running, open the localhost page and give the text to be predicted or tested. | 3 | Medium | EMMADI DEREK BENHIN PAUL DODDE RUCHITHA | 11/11/2024 | 13/11/2024 |
| Sprint-6 | Project Report | USN-12 | Reporting the project | 4 | Medium | GURRALA RUTHIKREDDY DODDE RUCHITHA METTYPALLY CHANDRAHAS | 14/11/2024 | 15/11/2024 |