Initial Project Planning Report

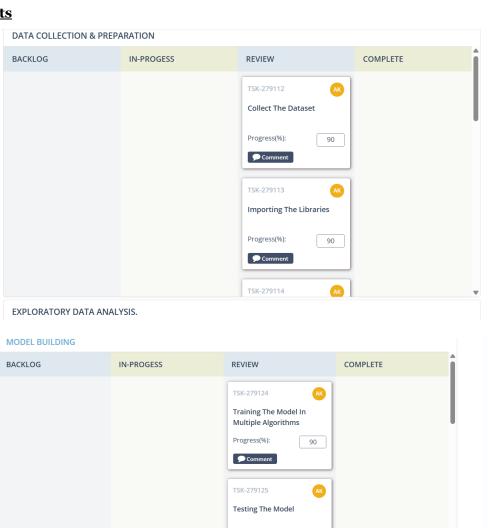
| Date | 03 August, 2025 | | |
|---------------|--|--|--|
| Project Name | Anemia Sense: Leveraging Machine | | |
| | Learning For Precise Anemia Recognitions | | |
| Maximum Marks | 03 Marks | | |

Project Timeline and Sprint Schedule

| Sprint | Functional Requirement (Epic) | User Story# | User Story / Task | Priority | Sprint Start | Sprint End (Planned) |
|---------|------------------------------------|----------------|--|----------|--------------|-------------------------|
| Sprint- | Data Collection & Preprocessing | AS-1 | Collect anemia dataset | High | 20/07/2025 | 22/07/2025 |
| Sprint- | Data Collection & Preprocessing | AS-2 | Import and inspect data | High | 20/07/2025 | 22/07/2025 |
| Sprint- | Data Collection & Preprocessing | AS-3 | Handle missing values | High | 20/07/2025 | 22/07/2025 |
| Sprint- | Data Collection & Preprocessing | AS-4 | Resolve class imbalance | High | 21/07/2025 | 22/07/2025 |
| Sprint- | Exploratory Data Analysis (EDA) | AS-5 | Univariate & bivariate analysis | Medium | 23/07/2025 | 24/07/2025 |
| Sprint- | Exploratory Data Analysis (EDA) | AS-6 | Multivariate analysis (pairplot, heatmap) | Medium | 23/07/2025 | 24/07/2025 |
| Sprint- | Model Development | AS-7 | Split data into train/test sets | High | 25/07/2025 | 26/07/2025 |
| Sprint- | Model Development | AS-8 | Train and evaluate 5+ algorithms | High | 25/07/2025 | 26/07/2025 |
| Sprint- | Model Development | AS-9 | Hyperparameter tuning | Medium | 27/07/2025 | 27/07/2025 |
| Sprint- | Model Development | AS-10 | Compare models & select the best | High | 27/07/2025 | 27/07/2025 |

| Sprint- | Model Deployment & Web Integration | AS-11 | Save best model (pickle) | High | 28/07/2025 | 28/07/2025 |
|---------|---------------------------------------|-------|---|--------|------------|------------|
| Sprint- | Model Deployment & Web Integration | AS-12 | Create Flask backend & HTML templates | Medium | 29/07/2025 | 31/07/2025 |
| Sprint- | Model Deployment & Web Integration | AS-13 | Integrate model and UI, test prediction | High | 01/08/2025 | 02/08/2025 |
| Sprint- | Documentation & Final Report | AS-14 | Write and finalize project report | High | 02/08/2025 | 03/08/2025 |

Screenshots



Progress(%):

Comment

90

PERFORMANCE TESTING AND HYPER PARAMETER TUNNING