

## Project Planning Phase

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

|               |  |
|---------------|--|
| Date          | 24 June 2025   |
| Team ID       | LTVIP2025TMID35409   |
| Project Name  | HematoVision: Advanced Blood Cell Classification Using Transfer Learning |
| Maximum Marks | 5 Marks  |

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

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|---|--------------|----------|--------------|
| Sprint-1 | Registration                  | USN-1             | As a patient, I can register by entering my name, email, and password.      | 2            | High     |              |
| Sprint-1 | Registration                  | USN-2             | As a patient, I receive a confirmation email upon successful registration.  | 1            | High     |              |
| Sprint-1 | Login                         | USN-3             | As a patient, I can log in using email and password.                        | 1            | High     |              |
| Sprint-2 | Image Upload                  | USN-4             | As a patient, I can upload a blood cell image for analysis.                 | 3            | High     |              |
| Sprint-2 | Classification Result         | USN-5             | As a patient, I can view the classification result and suggested diagnosis. | 3            | High     |              |
| Sprint-3 | History                       | USN-6             | As a patient, I can view past diagnosis results.                            | 2            | Medium   |              |
| Sprint-1 | Model Management              | USN-7             | As an admin, I can upload/update the deep                                   | 2            | High     |              |

| <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> |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|
|               |                                      |                          | learning model used for classification.   |                     |                 |                     |
| Sprint-3      | Monitoring                           | USN-8                    | As an admin, I can monitor user registrations and activity logs.                    | 2                   | Medium          |                     |
| Sprint-1      | Email Service                        | USN-9                    | As a system, I automatically send email confirmations upon registration.            | 1                   | High            |                     |
| Sprint-2      | Image Classification                 | USN-10                   | As a classifier, I preprocess uploaded images and return predicted blood cell type. | 3                   | High            |                     |
| Sprint-3      | User Query Handling                  | USN-11                   | As a support executive, I can respond to user queries.                              | 2                   | Medium          |                     |