

Project Planning Phase

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

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|---------------|--|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID10327 |
| Project Name | Early Detection of Chronic Kidney Disease using Machine Learning |
| 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 | Registration | USN-1 | As a user, I can register for the diagnosis tool using my email and password | 7 | High | Team Lead Member 1 |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email on registering for the diagnosis tool | 6 | High | Member 1 Member 4 |
| Sprint-4 | | USN-3 | As a user, I can register for the application through my Gmail | 6 | Low | Member 2 Member 3 |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering my credentials | 6 | High | Team Lead Member 1 |
| Sprint-3 | Dashboard | USN-5 | As a user, I can see my past records and activities | 6 | High | Team Lead Member 3 |
| Sprint-2 | Entry form | USN-6 | As a user, I must enter my pre-diagnostic test results | 7 | High | Team Lead Member 1 |
| Sprint-3 | Report | USN-7 | As a user, I can view the report generated by the tool | 7 | High | Member 2 Team Lead |

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|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|-----------------------|
| Sprint-3 | Remedies | USN-8 | As a user, I will receive remedies to treat my symptoms | 6 | Medium | Member 1 Member 2 |
| Sprint-4 | Queries | USN-9 | As a customer care executive, I must assist users that face problems through Q&A | 6 | Low | Member 2 Member 3 |
| Sprint-4 | Feedback | USN-10 | As a customer care executive, I should get input for the tool's enhancement from users | 7 | Low | Member 3 Member 4 |
| Sprint-2 | Feature importance | USN-11 | As an administrator, I should identify the most significant factors that lead to CKD based on the present trend | 6 | High | Member 2 Member 4 |
| Sprint-2 | Train model | USN-12 | As an administrator, I must use the most suitable ML model for detection of CKD | 6 | High | Team Lead Member 4 |

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 | 20 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 05Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 12Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19Nov 2022 |