**Project Design Phase-II**
**Data Flow Diagram & User Stories**

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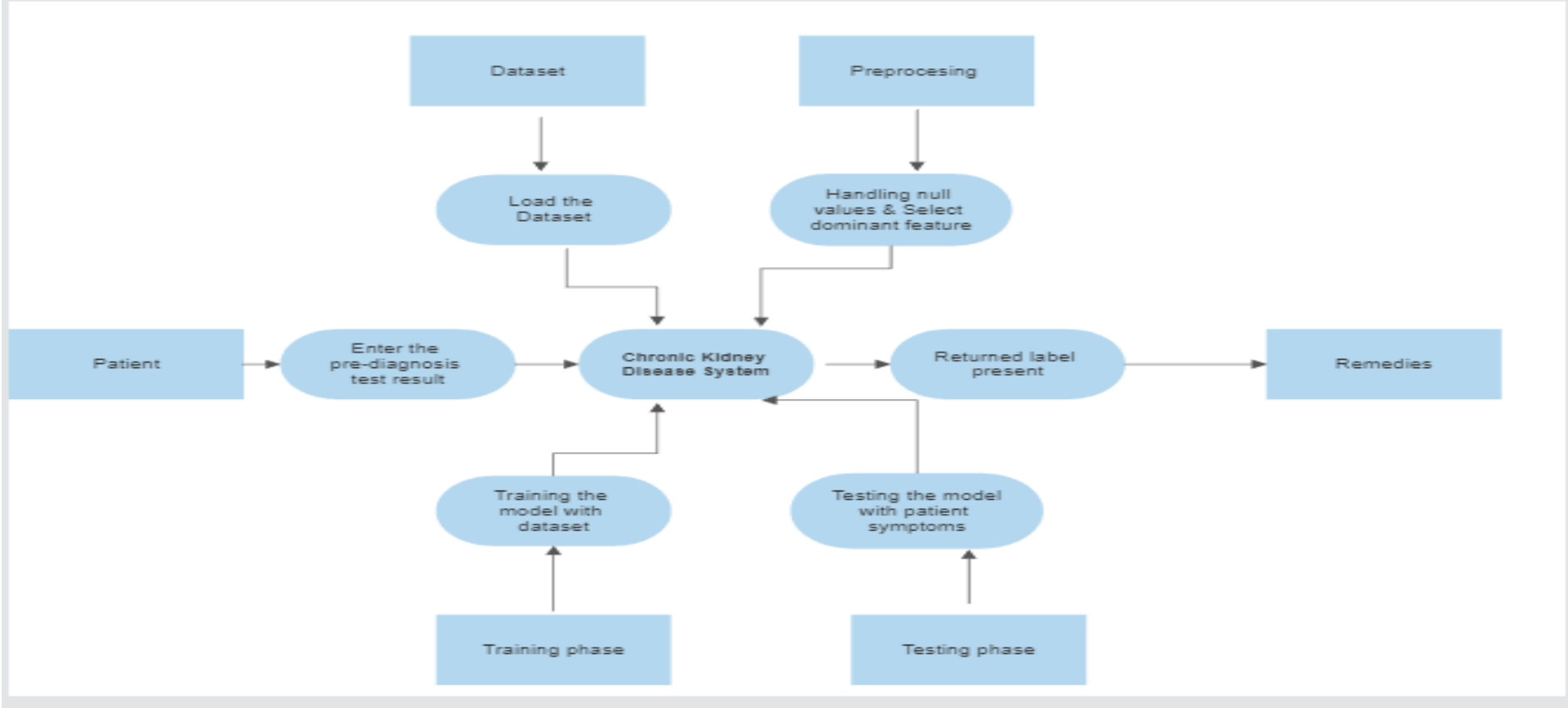
| Date | 21 October 2022 |
| Team ID | PNT2022TMID51040 |
| Project Name | Early Detection of Chronic Kidney disease Using Machine learning. |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**



User stories:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer (Web user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm/verify through OTP. | High | Sprint-1 |
| | Login | USN-3 | As a user, I can log into the application by entering email & password | Will see a Dashboard | High | Sprint-1 |
| | Dashboard | USN-4 | As a user, I can see my past records and activities | I can access my past records and can solve my queries through Q/A. | High | Sprint-2 |
| | Entry Form | USN-5 | As a user, I must enter my pre-diagnostic test results | I have to fill the form with my test results | High | Sprint-2 |
| | Report | USN-6 | As a user, I can view the report generated by the tool. | I will be able to view my test results after diagnosis. | High | Sprint-3 |
| | Remedies | USN-7 | Will be able to see some suggestions to improve my health. | The suggested remedy will help me recover from CKD. | Medium | Sprint-3 |
| Customer Care Executive | Feedback | USN-8 | As a User, I will be filling the feedback form. | I will be reading those feedbacks to improve User Experience. | Low | Sprint-4 |
| | Queries | USN-9 | As a customer care executive, I must assist users that face problems through Q&A | The queries of the customer have to be sorted within a period of 1day. | Low | Sprint-4 |

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| Administrator | Feature importance | USN-10 | As an administrator, I should identify the most significant factors that lead to CKD based on the present trend | I must identify important features | High | Sprint-2 |
| | Train model | USN-11 | As an administrator, I must use the most suitable ML model for detection of CKD | I should efficiently train the ML model | High | Sprint-2 |