

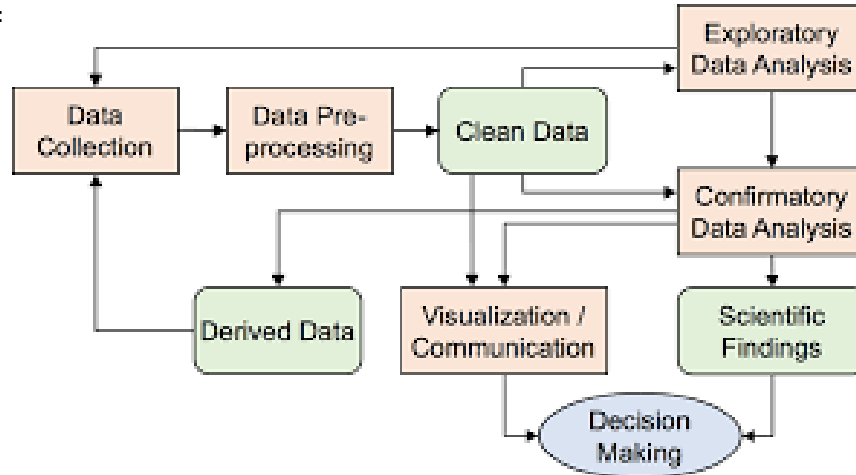
Project Design Phase-II
Data Flow Diagram & User Stories

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|---------------|--|
| Date | 20 October 2022 |
| Team ID | PNT2022TMID52964 |
| Project Name | Project – EXPLORATORY ANALYSIS OF RAINFALL DATA IN INDIA FOR AGRICULTURE |
| Maximum Marks | 4 Marks |

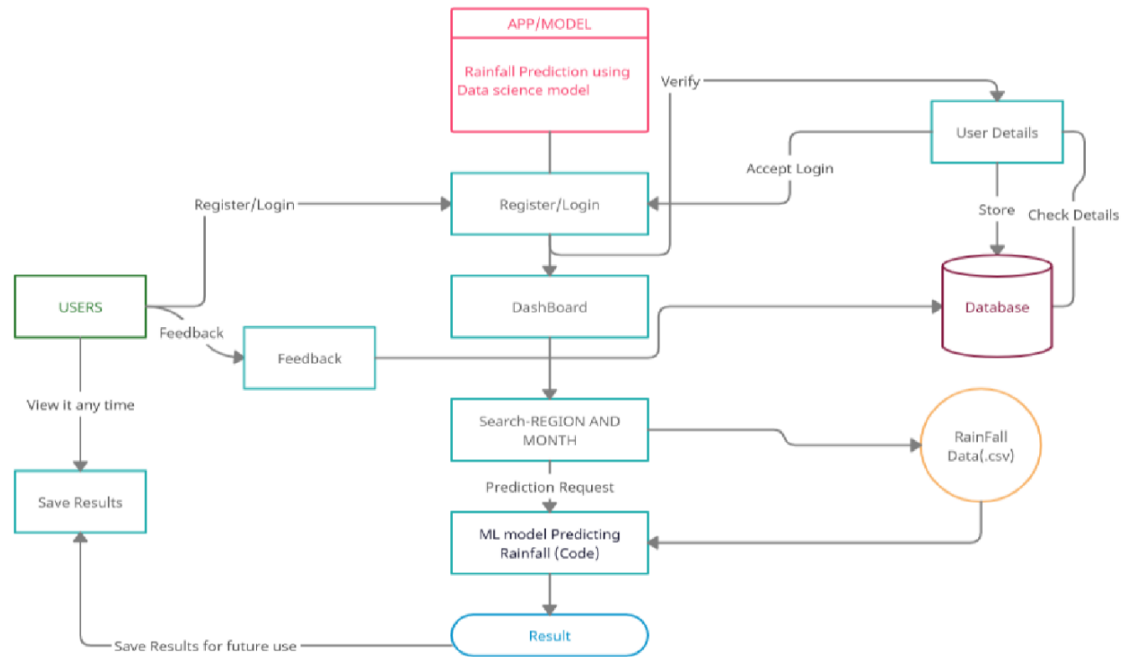
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Context Diagram:



2-LEVEL DATA FLOW DIAGRAM:



User Stories:

Use the below template to list all the user stories for the product.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Customer (Web Page) | 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 | High | Sprint-1 |
| | | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the application through Gmail | | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can log into the application by entering email & password | I can access the system | High | Sprint-1 |
| | Dashboard | USN-6 | As a user, I can view the details about the page and navigate through the entire pages | I can navigate through the pages | Medium | Sprint-2 |
| | Prediction | USN-7 | User can search for the area/place where the user wants to know the prediction of rainfall | Only places in India will be accepted | High | Sprint-2 |
| | | USN-8 | User can see the visualization of the rainfall for a specific region over a duration and also alerts for adverse weather condition | | High | Sprint-2 |
| | | USN-9 | User can give suggestions and feedback on the accuracy of prediction and user interface | | High | Sprint-3 |
| Customer Care Executive | Contact | USN-9 | User can ask queries about the system | I can rectify my doubts | Medium | Sprint-3 |
| | | USN-10 | The team must analyse queries and make plans to rectify the queries based on priorities | Queries must be responded or solved | High | Sprint-3 |
| | Chat Bot | USN-11 | Implement chat bot to respond to queries | Instant response | Low | Sprint-3 |
| Administrator | Login | USN-12 | I can register for the application by entering my email and password | I can view and update the system | High | Sprint-3 |
| | User Experience | USN-13 | The website is responsive on all the devices and the screen sizes | User experience should be good | High | Sprint-3 |