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

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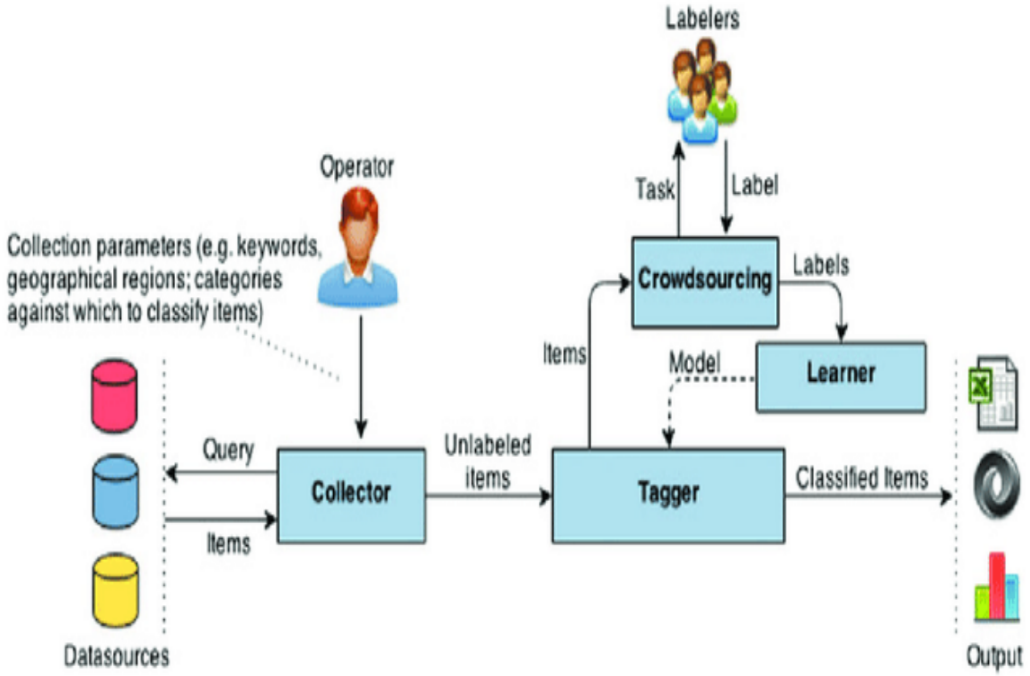
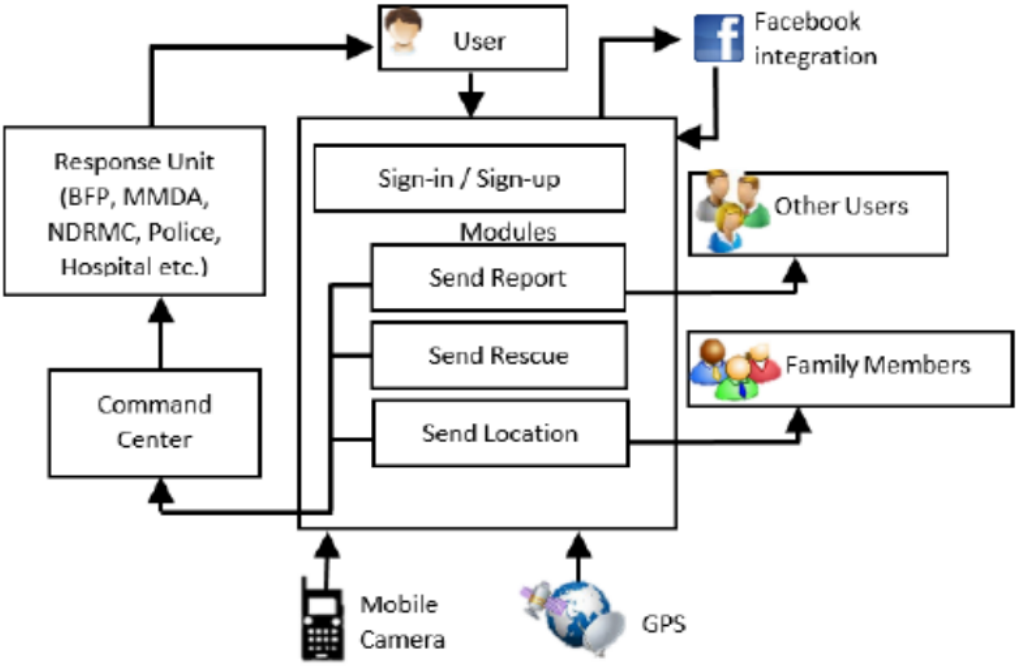
|---|---|
| Date | 10 October 2022 |
| Team ID | PNT2022TMID00314 |
| Project Name | Natural disaster intensity analysis and classification using Artificial Intelligence |
| Maximum Marks | 2 Marks |

**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






**User Stories**

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer | Installation | USN-1 | As a user, I can install this where the disaster occur | I can do it by myself | High | Sprint-1 |
| customer | Designation of Region | USN-2 | I can select the region of interest to be monitored and analyzed | I can choose certain specific places without error | High | Sprint-1 |
| customer | Analysis of Required Phenomenon | USN-3 | I am able to monitor certain factors that influence the actions of the phenomenon | I can monitor most of the factors involved in the action | High | Sprint-2 |

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| customer | Accumulation of required Data | USN-4 | I am able to gather data regarding past events and a detailed report on past analysis | I can allow the storage of data of past events for certain extent | Medium | Sprint-2 |
| customer | Algorithm selection | USN-5 | I am able to choose the required algorithm for a specific analysis | I can choose various options for the algorithm to be used | High | Sprint-2 |
| customer | Prediction and analysis of data | | I am able to easily predict and visualize the data | I can use easy use prediction and visualization techniques | High | Sprint - 3 |
| Customer (Web user) | Report generation | | I am able to generate a clear and detailed report on the analysis | I can generate Report fast and it would be efficient and not complex | Medium | Sprint -4 |