PROJECT DESIGN PHASE – II

DATA FLOW DIAGRAM AND USER STORIES

|  |  |
| --- | --- |
| **Date** | 20.10.2022 |
| **Team ID** | PNT2022TMID17589 |
| **Project Name** | Analytics for Hospital’s Healthcare  Data |

LEVEL - 0

Emergency Case

COVID-19 Positive

**Future Consultation**

**Data Visualization**

Hospitalization

Length of Stay

Resource

Allocation

Periodic

Reports

**Data Exploration**

**Predictive Analysis**

LEVEL -1



Length of Stay

Resource

Allocation

Periodic

Reports

**Check the health**

**of Staffs**

**Staff In**

**charge**

**Hospital**

**Bed and Treatment**

**Further**

**Doctor Consultancy**

**HOSPITAL MANAGEMENT**

**Data Visualization**

**Data**

**Exploration**

**Dataset**

**AI aur Machine Learning**

**approach**

**Predictive**

**Analytics**

**COVID Test**

**Test Samples**

**Negative**

**Positive**

**Hospitalization**

**Follow the SOP**

**Data**

**Collection**

USER STORIES:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirements** | **User Story No.** | **User Task** | **Acceptance Criteria** | **Priority** |
| **Patient** | Hospitalization | USN-1 | Patients are required to hospitalize if they have  COVID +ve | Direct Hospitalization | High |
|  | Treatment Report | USN-2 | Patients should collect their treatment report and get further doctor consult | They can receive the report from hospital | High |
| **Hospital Management** | Resource Allocation | USN-3 | Hospital Management should allocate the necessary resource for treating the COVID  Patients | Should be ready for any circumstance | High |
|  | Predicting Length of Stay | USN-4 | The Doctors should be aware of condition of Patients to predict the  LoS | Exploring the data about the patient health condition and predicting LoS | High |
|  | Resource Availability | USN-5 | The Hospital Staff should be aware of available  resources in hospital | Visualizing the about the resource availability | High |
|  | Staff Welfare | USN-6 | The working staff should be safe and conscious about the  COVID |  | High |