

Project Title: DATA ANALYTICS FOR FAST AND ACCURATE DECISION ON PATIENT CASE SHEETS AND REPORTS

Abstract:



This Project is intended to help doctors to save their time and to increase their efficiency while they are treating their patients. When a patient approaches a doctor, he/she has to carry all the previous prescriptions and reports to let the doctor know all his/her currently using medicines and their dosages and also to show all the reports like CBP, ESR, Thyroid profile, Diabetic profile and Cardiac profile. Later the doctor has to go through all the reports and should come to a conclusion on a new prescription. This whole process takes a lot of time.

So, to reduce the time taken by doctors, using the latest techniques of Data Analytics and Visualization we maintain a health profile for each user, this could help doctors to write new prescriptions by visualizing the patients case sheets and reports for every visit in less time. Data Security also plays a crucial role in this project as data of every patient is personal and sensitive.

In case of emergency, time taken for pre-hospital treatment may cost many lives,our system notifies the nearest available hospital and shares the health profile of patients that can critically assist in pre-hospital treatments.

Area: Data Analytics and Data Security

Team details:

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Project status:

Week: Monday - Sunday

Week #	Duration	Comments
1	11th to 14th Feb, 2021	1) Firebase Cloud Firestore Setup. 2) Database schema setup in Firebase.
2	15th to 21st Feb, 2021	1) Initiating Patient App 2) Linking Patient App with Firebase 3) Authentication module
3	22nd to 28th Feb, 2021	1) UI design for Patient App 2) Implementation of Patient Profile Screen 3) Implementation of Dashboard. 4) Implementation of Patient Model classes
4	1st to 7th Mar, 2021	1) Implementation of Prescription Model classes. 2) Implementation of Adding Prescriptions. 3) Display Patients prescriptions on Home Screen.
5	8th to 14th Mar, 2021	1) Fetching user's current location Implementation. 2) Adding Emergency Contacts module 3) Implementation of Emergency notification
6	15th to 21st Mar, 2021	1) Implementation of 6 Report Model classes i) Haemoglobin ii) Cardiac iii) Diabetic iv) Thyroid v) Vitamin vi) Renal 2) Implementation of Adding Reports 3) Display Reports on Home Screen
7	22nd Mar 2021 to current	1) Working on 1st Review