TEAM-6

Brainstorming session- We brainstormed several ideas like a poultry management system and an early Alzheimer detection system.

PROJECT IDEA- We decided on a Hospital management system for administration along with app integration for booking appointments and things like OT/doctor availability.

FUNCTIONAL REQUIREMENTS-

ADMINS-

DOCTOR AVAILABILITY- availability of doctors’ schedules like the availability of trauma surgeons or on-call specialists like Neuro Surgeons

PATIENT RECORDS- A comprehensive database of patient records like medical histories, progress reports, current treatments etc.

ATTENDANCE

OT AVAILABILITY- a digital tracking module that automatically guides stretchers to available rooms

MAINTENANCE- tracking of maintenance intervals for machines

PATIENT REHABILITATION FACILITIES

LABS DATABASE- lab records retrieval for doctors

USER-

APPOINTMENTS- users can book appointments using an app

ADMITTANCE- users can check availability of rooms for admitting patients

LAB REPORTS ACCESS- retrieval of lab records through the app and you can also update medical histories

PRESCRIPTION

NON-FUNCTIONAL REQUIREMENTS-

FAST RETREIVEAL OF DATA

SECURE ACCESS (using OTP)

CONTINUED SUPPORT

RESOURCES-

Office Space, Laptops, Software- Database, VScode,

TIMELINE-

QA TESTING- 1.5-2 months

WEB APP DEV- front end-2 months, back end-8months

DATABASE- 2 months

RISKS-

Server failure, Power Outage, Employee leaves, sensitive data leak, Scheduling conflicts

MITIGATION OF RISKS-

DATA BACKUP EVERY DAY, CORPORATE BOND FOR EMPLOYEES, BACKUP GENERATORS, SECURE ACCESS, AN ALGORITHM FOR SCHEDULING CONFLICTS THAT WILL RAISE A FLAG AND MOVE APPOINTMENTS AROUND ACCORDINGLY

REQUIREMENTS: All (11 Days) 21st sept-6th oct

DESIGN : Hrishika, Shaurya, Mayank, Samruddhi (21 days) 6th-31st oct

CODE: Mayank, Shaurya Hrishika, Samruddhi (4 months) 1st nov – 2nd March

TESTING: Shubham (42 days) -3rd March – 14th April

DEPLOYMENT: All ( 35 Days) – 17th April - 21st May