

# MENTAL HEALTH

## Project Overview:

One in five people now a days experience a mental health disorder. Many will receive treatment and recover or learn ways to live with their condition. The media plays a critical role in advancing our understanding of mental illness and substance disorders. Stories about individuals with mental health challenges can increase awareness and reduce stigma around these conditions. Hence with this consideration in mind, we are building an application that will help the patients to take appropriate actions for treating mental issues, thereby spreading awareness. Using this application, a person can take a depression test and can get appropriate results after performing complete analysis. Based on the report, the application will provide details about the treatments available, doctor recommendations, list of events arranged to improve mental health so that a person will understand how to deal with the situation.

## Application Key Functionalities:

- A user will log into the application and he can browse through the different sections to understand different types of mental disorders.
- A user can take depression test which will help him to understand his problem.
- After the test user will get complete report which will state the problem which he is facing, and treatments based on the problem.
- Admin will add two enterprises: Hospital and NGO. These two enterprises will work together and help users to improve their mental health.
- NGO will arrange different events like meditation sessions, yoga sessions, motivational speech program.
- Under the hospital, there will be four organizations who will work together to provide best medical facility and guidance to patient. Organizations are as follows:
  1. Informational Services Organization
  2. Therapeutic Services Organization
  3. Diagnostic Services Organization
  4. Support Unit Organization
- Under the NGO, there will be organizations who will work together to spread awareness in society and help people who are suffering from mental illness. Organizations are as follows:
  1. Operational Organization
  2. Campaigning Organization
  3. Staff Organization

## Proposed Entities:

ADMIN

ENTERPRISE DIRECTORY

1. HOSPITAL ENTERPRISE  
HOSPITAL ORGANIZATION DIRECTORY  
HOSPITAL ORGNANIZATION
2. NGO ENTERPRISE  
NGO ORGANIZATION DIRECTORY  
NGO ORGANIZATION

HOSPITAL ORGANIZATION

- **ADMISSION**- patientID, patient\_fname, patient\_lname, address, gender, age, contact, app\_date, appTime, reason
- **BILLING**- billNo, billDate, billTime, billStatus, billAmount, billingMethod, doctorIncharge
- **RECORDS** – record\_no, reference, date
- **DOCTOR** – docId, doc\_fname, doc\_lname, specialist, qualification, patientID
- **NURSING** – nurseID, patientID, allotted\_time
- **PHARMACY** – drugID, quantity, price, drugName
- **DIETARY** – patientID, dietaryRestriction, description
- **MEDICAL LAB** – lab\_no, lab\_type, noOfPatients
- **HELP SERVICE** – emergencyRequest, contactNo
- **COUNSELOR** – counselorID, patientID, patientNo, medicalHistory

## NGO ORGANIZATION

- **ADMINISTRATIVE** – adminID, adminPassword
- **PROJECT COORDINATOR** – projectId, projectDetails,
- **EVENTS** – eventID, eventType, eventLocation, eventDate, eventTime
- **PROJECT ASSISTANT** – projectName, assistantName, projectDetails, durationOfProject
- **TRAINING ASSISTANT** – assistant\_name, training\_period, trainingID
- **CONSULTANT FIELD STAFF** – assignedTask, assignedCounselor, patientID

## Architecture Diagram:

