



MED-SYNC

DEVELOPING A UNIFIED PATIENT TREATMENT PLATFORM FOR HEALTHCARE ADVANCEMENT

IEEE IC HACK 2.0
TRACK: HEALTHCARE

Team Name : Bytee Coders

Team Leader : Mudit Garg

Institute : Symbiosis Institute of Technology, Pune



Table Of Content

01 Problem Statement

02 Project Overview

03 Our Solution

04 The End Users

05 Key Features

06 Impact

07 Tech Stack

08 Result

09 Future Scope

10 Meet Our Team

Problem Statement

In healthcare's changing landscape, innovation is needed in integrating patient data for a Unified Patient Treatment Platform (UPTP). This hackathon aims to inspire designs that seamlessly integrate with existing patient management software, benefiting patients with complete healthcare history access and aiding healthcare providers in better care delivery.



Project Overview

- A Unified Patient Treatment Platform (UPTP) that securely integrates patient data, prioritizing privacy and enabling efficient healthcare delivery.
- Designing an user-friendly UPTP interface, using HTML, CSS, and JavaScript.
- Patient-centric access, real-time updates, and support for healthcare professionals are required for the intended purpose





IEEE

Student Branch
Manipal University Jaipur

Our Solution



Interactive web page for
login usages



Flask library for simple yet
seamless flow of webpage



Secure MySQL database

THE END USERS?

the end users for the Unified Patient Treatment Platform (UPTP) :

- Healthcare providers - doctors, nurses, specialists, etc.
- Patients
- Healthcare administrators
- Support staff - receptionists, medical assistants, etc
- Caregivers - family members or friends responsible for patient care
- Insurance companies - for claims processing and data access



Key Features

Features of MedSync under Current Scope of Development

- **Patient Portfolio:** Efficiently manage patient information, including medical history and contact details, in one place.
- **Medical Record History:** Safely store and access patient medical records, diagnoses, and prescriptions for informed decision-making.
- **Unified Patient Treatment Platform:** Facilitate seamless patient data exchange among healthcare professionals, clinics, and patients for improved healthcare delivery.
- **Health Data Integration:** Integrate health data from multiple sources to enhance personalized care.
- **Health Appointment Booking:** Simplify online appointment scheduling, allowing patients to book appointments with ease and convenience.



Impact

1. Improved Patient Care:

- Faster access to patient data
- Personalized treatment plans

2. Operational Efficiency:

- Streamlined administrative tasks
- Reduced paperwork and duplication

3. Interoperability:

- Seamless data exchange between systems
- Better coordination of care
- Reduced medical errors



Technologies Used



Python



Flask



JavaScript



BootStrap

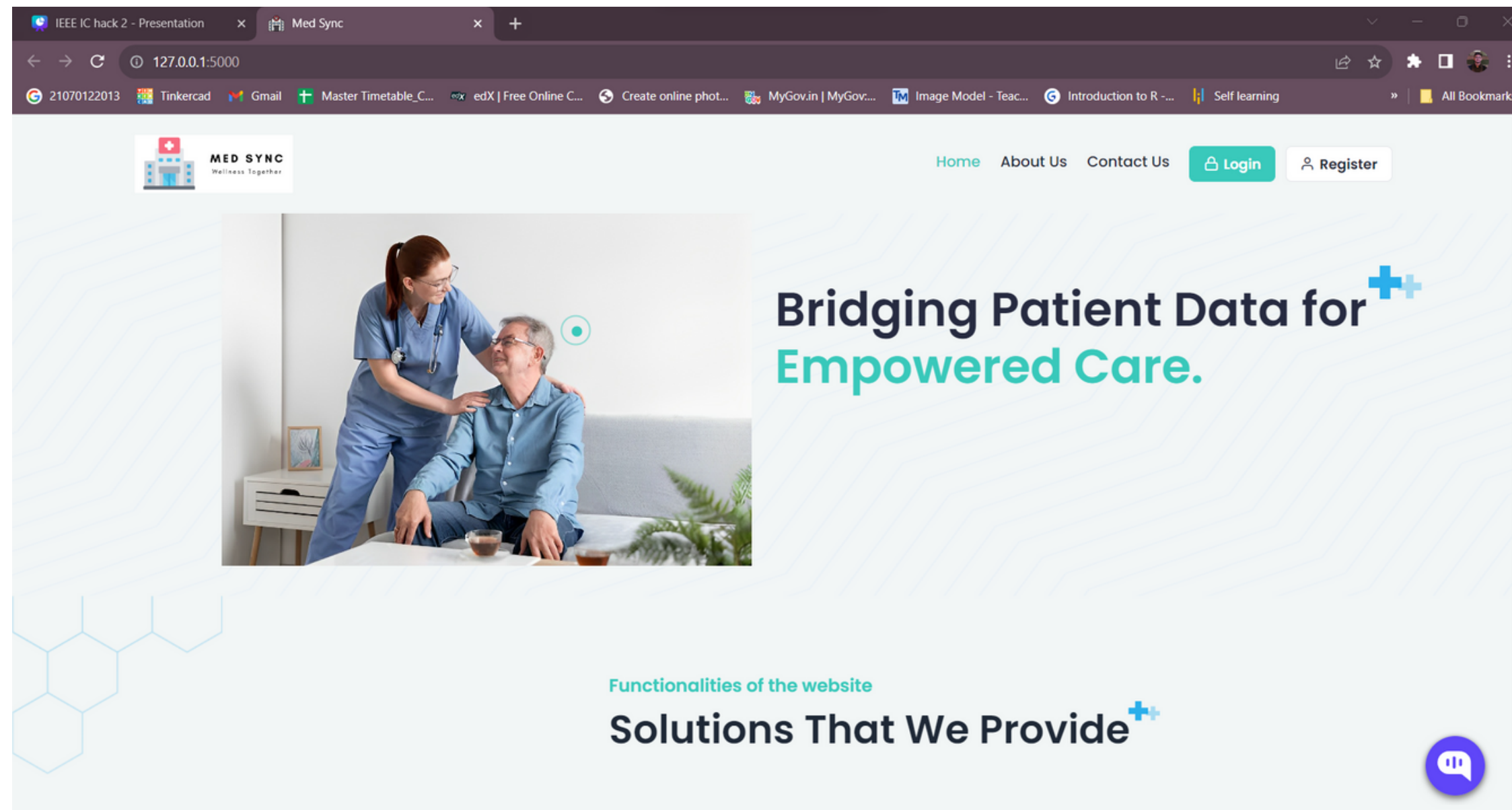


Flutter

Results

Currently, we have a website where we can perform all the functions.

The website :



Future Scope

Future scopes for a Unified Patient Treatment Platform (UPTP) in healthcare:

- Advanced AI Analytics for personalized care.
- Seamless Telemedicine integration.
- Enhanced data interoperability.
- Patient-centric mobile apps using Flutter.
- Blockchain security for data privacy.
- Real-time IoT health monitoring.
- Global data collaboration for research.



Our Team

Efforts By:-



Akshay Kushawaha

*Third Year, CSE
Full Stack
Development*



Mudit Garg

*Third Year, CSE
Back end
Development*



Divya Shah

*Third Year, CSE
Front End &
Documentation*



N.N.Lokhesh

*Third Year, CSE
Front End &
Documentation*



**THANK
YOU**