

HACK INNOVATORS

Team number :12

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OVERVIEW

1. Introduction
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3. Key features of UPTP (Patient -
centric access, Seamless integration,
Real time updates ,Diagnostic
support)
4. Future goals





INTRODUCTION

- In the evolving landscape of healthcare, one crucial area ripe for innovation is the integration of patient data and the creation of a *Unified Patient Treatment Platform* (UPTP).
- **GOAL** : To design a UPTP that seamlessly integrates with existing patient management software used in healthcare facilities.
- This platform will empower patients with access to their complete healthcare history and assist healthcare providers in delivering more efficient and informed care.

PROBLEM STATEMENT

- The challenge at hand is to conceive and develop an innovative *Unified Patient Treatment Platform* (UPTP) capable of facilitating the exchange and accessibility of patient data across diverse healthcare providers, clinics, and individual patients.

AIM :

1. to enhance patient engagement,
2. provide timely access to medical records,
3. support healthcare providers in delivering more accurate and expedited care.



KEY FEATURES OF UPTP

- Patient-centric access
- Seamless Integration
- Real -Time Updates
- Diagnostic support



PATIENT-CENTRIC ACCESS

- It enables patients to securely access and review their **comprehensive healthcare history** (including medical records, prescriptions, test results, and treatment plans)
- **Robust security measures** are implemented to protect patient data and adhere to healthcare privacy regulations.
- This platform proves beneficiary as personal details of patients are kept **anonymous** to others.
- Prescription management is done **digitally** saving time .
- Features are provided for **prescribing and tracking** medications.





SEAMLESS INTEGRATION

- We have designed the UPTP with a focus on seamless integration with widely used patient management software employed in hospitals and clinics.
- The platform has the ability to extract patient's medical history and provides an aid to their further medical procedures.
- We are using **CSV formatting** to improve the functioning of the model.
- It can be used for three phases :
 1. Search for the treatment ,
 2. during diagnosis,
 3. after recovery
- This platform ensures compatibility with various **Electronic Health Record (EHR) systems, healthcare databases,** and **health information exchange (HIE) platforms.**

REAL-TIME UPDATES

- The platform facilitates real-time updates to patient records, ensuring that healthcare providers have access to the most up-to-date information during diagnosis and treatment planning.
- We have created a system where patient will be notified about his **latest health update** and any **medical recommendation** can also be provided on the portal only .
- **Latest notifications are updated** on the portal regularly.



DIAGNOSTIC SUPPORT



- The UPTP platform leverages **AI-driven capabilities** to assist healthcare professionals in diagnosing and treating patients more efficiently.
- This AI based chatbot system proves beneficiary to both doctors as well as patients as it reducing the screening time and enhancing productiveness of medical health workers.
- A decision support system, image analysis tool, and predictive analytics is incorporated to enhance diagnostic accuracy and treatment recommendations.

FUTURE GOALS

- We can use this platform to create better opportunities for patients to assist their medical needs. **Artificial intelligence model** can be applied and we can improve user's interface experience with UPTP website.
- We can work upon to make an extraordinary application which will provide patients with a personalized experience and security of their medical and personal data.
- As the **IoT (Internet of Things)** becomes more prevalent in healthcare , we can ensure that all connected devices are securely integrated into platform.





THANK YOU