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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

- 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.

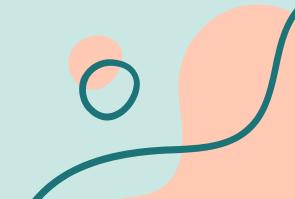
REAL-TIME UPDATES

- 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.





- The UPTP platform leverages Al-driven capabilities to assist healthcare professionals in diagnosing and treating patients more efficiently.
- This Al 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