



AMITY UNIVERSITY
UTTAR PRADESH

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

WEEKLY PROGRESS REPORT (WPR)

For the week commencing on 22/09/2025 - 28/09/2025

Program: B. Tech (Information Technology)

Batch: 2022-2026

Student Name: Sarthak Jha

Enrolment Number: A2305322060

Faculty Guide: Dr Saru Dhir

Project Title: Integrating diverse medical datasets ensuring data privacy and compliance

Targets set for the week:

1. Conduct end-to-end testing of the Emergency SOS system with other modules (Live Bed Map, Doctor Switch, Insurance).
2. Optimize SOS notification delivery for quicker alerts.
3. Add basic hospital dashboard integration for real-time emergency updates.
4. Gather initial feedback from selected test users.
5. Edit and update the research paper with recent project progress and literature review refinement.

Progress/Achievements for the week:

1. Successfully completed testing of SOS with Live Bed Map and Doctor Switch modules.
2. Improved notification system, reducing alert delivery time by ~30%.
3. Integrated SOS notifications into a prototype hospital dashboard, allowing instant view of patient emergencies.
4. Revised sections of the research paper, including abstract and methodology, to align with the updated project scope.
5. Added new references and citations related to emergency healthcare technologies and data privacy frameworks.

Future Work Plans:

1. Expand hospital dashboard features (ambulance tracking, emergency case history).
2. Enhance user interface for SOS activation with one-tap emergency button.
3. Strengthen data encryption for emergency message transmission.
4. Prepare documentation for project mid-term review.

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