IIHMR UNIVERSITY

TO ENHANCE NURSING WORKFLOW: ASSESSING CHALLENGES AND IMPROVIZATION WITH THE NAMAH APPLICATION

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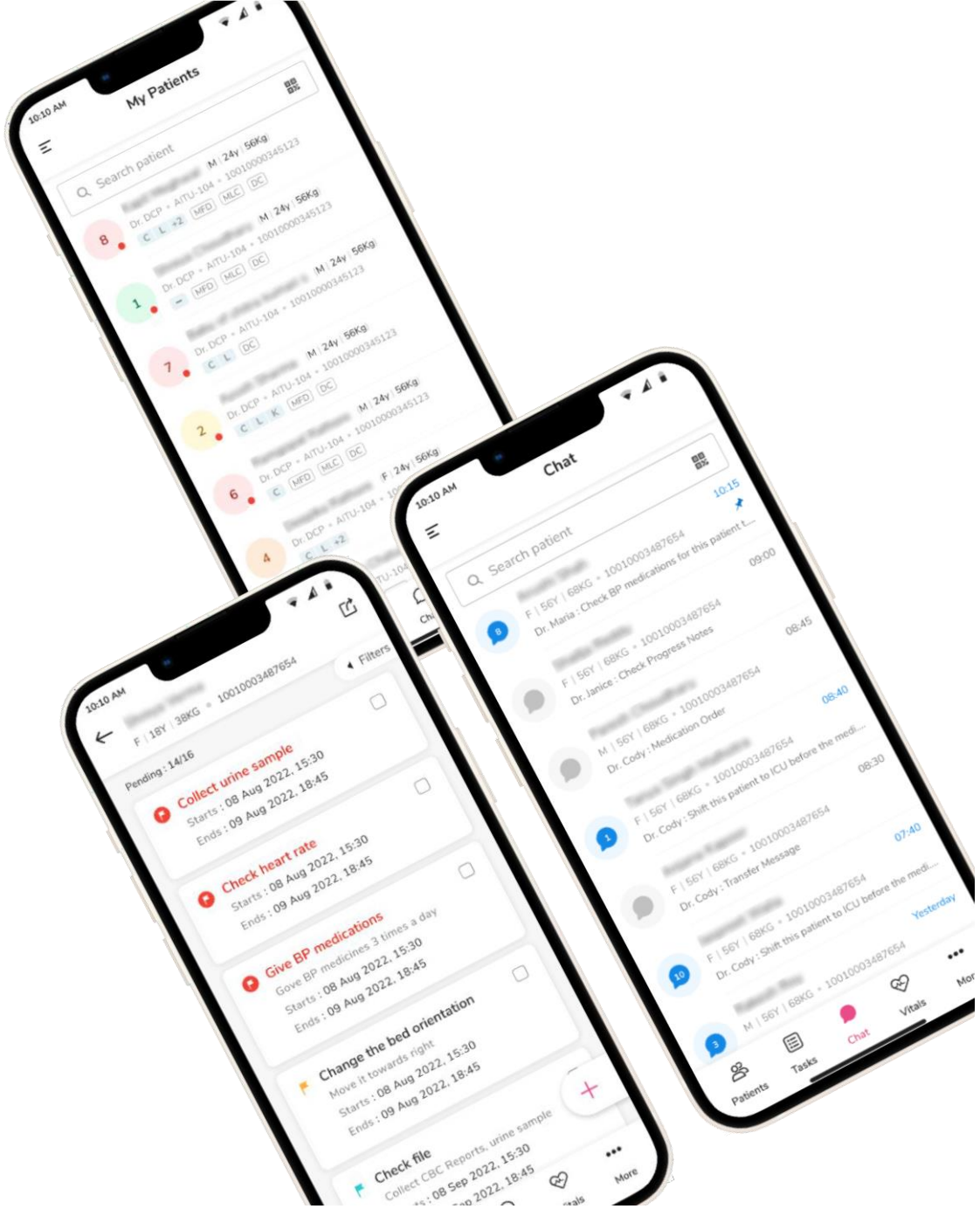
NAMAH

NURSING AUTOMATION & MEDICATION ADMINISTRATION HUB



Why NAMAH?

1

Around 50% of nurses' time per shift goes into documentation

2

Very less time for actual patient care (Primary duty)

3

Constant running around in the hospitals. Sometimes, more than 10000 steps are covered in 1 shift

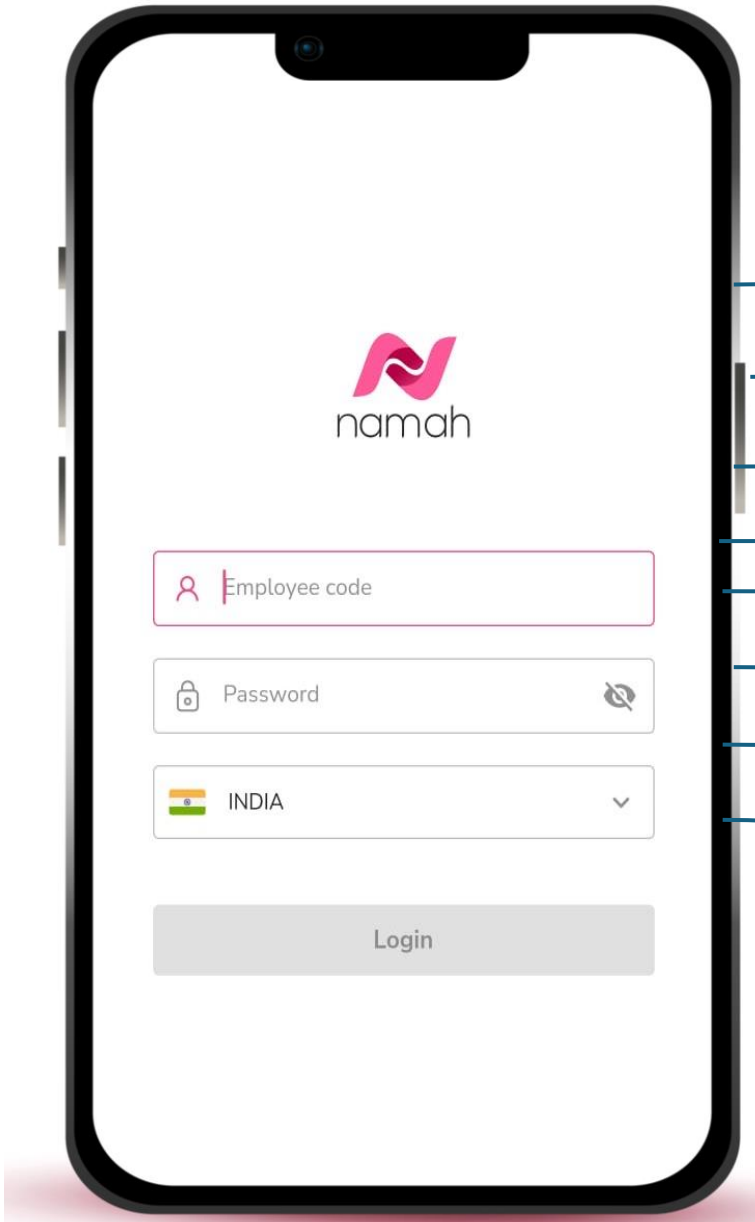
4

A lot of data points that are filled in forms aren't utilized by anyone in the system

5

Nurses need digital empowerment so that they don't have to run to a single system in the ward

NAMAH FEATURES



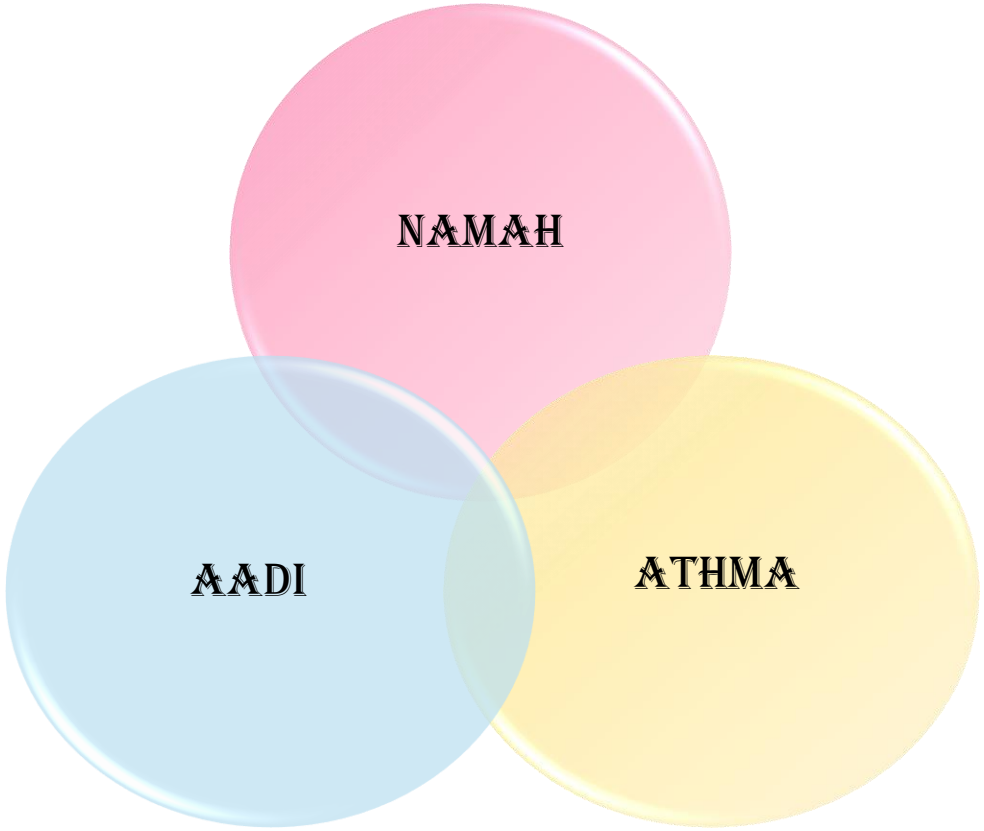
- Receive Patient
- Chat
- Vitals
- Task
- I/O Chart
- Handover
- MAR
- Forms

Technical Integration Of NAMAH : Feature Wise

VITALS

CHAT

RECIVE PATIENT



GENERAL INTEGRATION

OBJECTIVE 1

To understand the challenges face by the nurses and how NAMAH is contributing to overcome these challenges.

OBJECTIVE 2

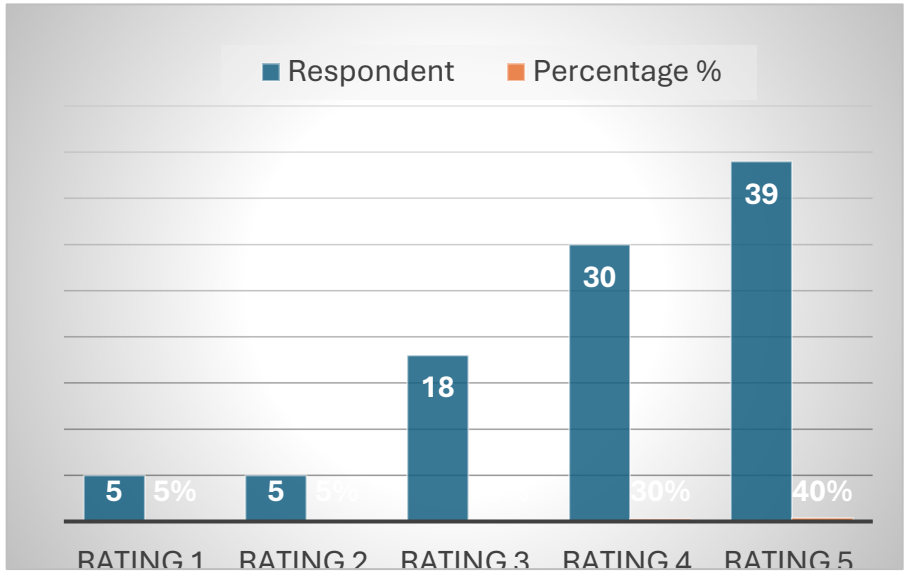
To identify the existing gaps in NAMAH functionality and workflow from the perspective of its users.

METHODOLOGY

1. Understanding the development of NAMAH
2. Observing impact on group level
3. Understand the NAMAH application
4. Observing the process on ground level
5. On field observation and survey conduct
6. Analysing respondent data and key Findings

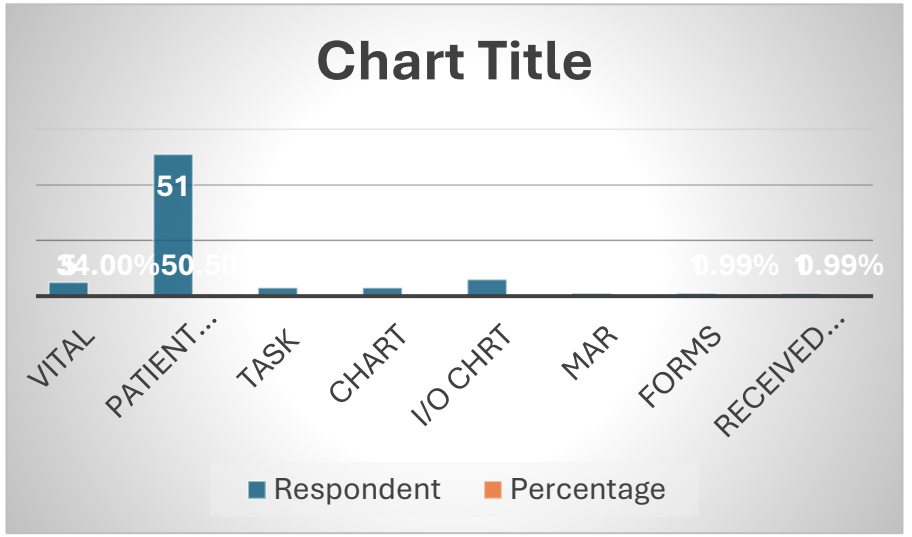
RESULT

How user-friendly do you find the NAMAH application

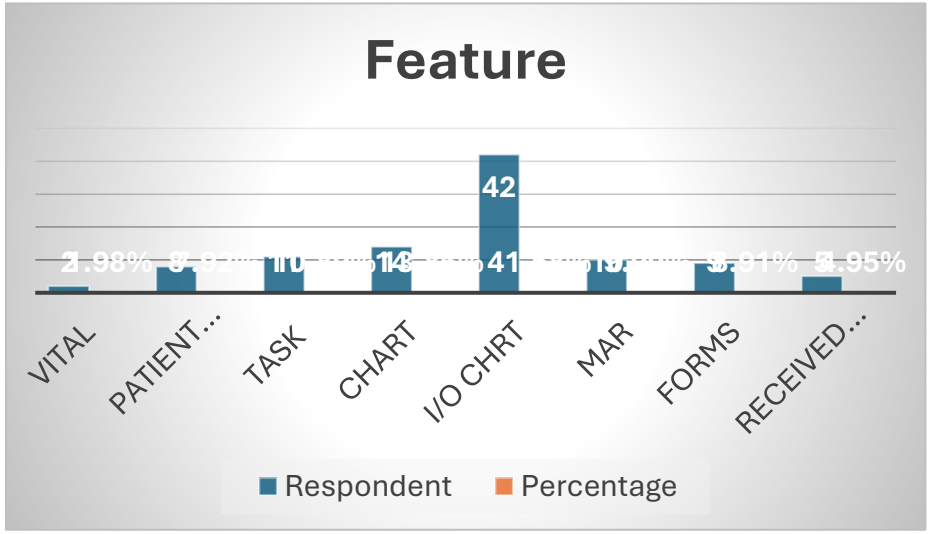


Average Rating	3.96

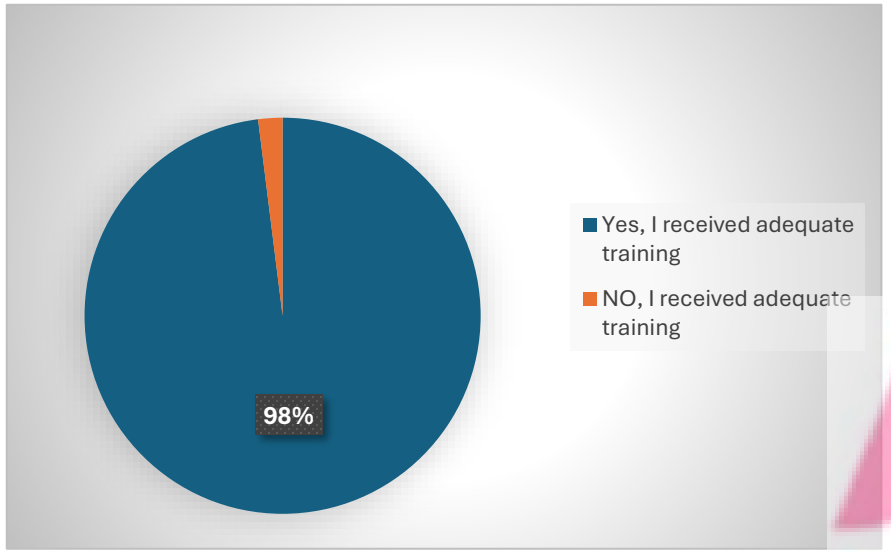
Most Help full Feature



Features difficult to use or understand



Adequate training



RESULT

Time spend to enter patients' vitals

Time	Paper	NAMAH
Less than 1min	19.3%	84.9%
More than 1 min	80.7%	15.1%

Time spend to enter Nursing progress note

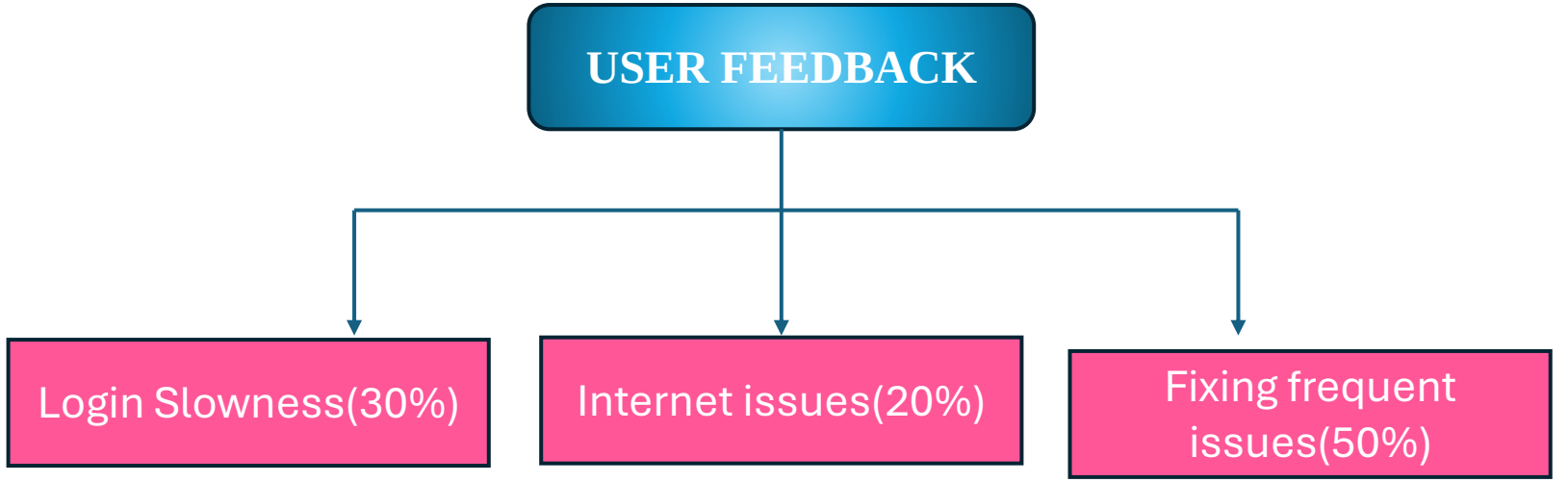
Time	Paper	NAMAH
Less than 2 min	17.4%	69.9%
More than 2 min	82.6%	30.1%

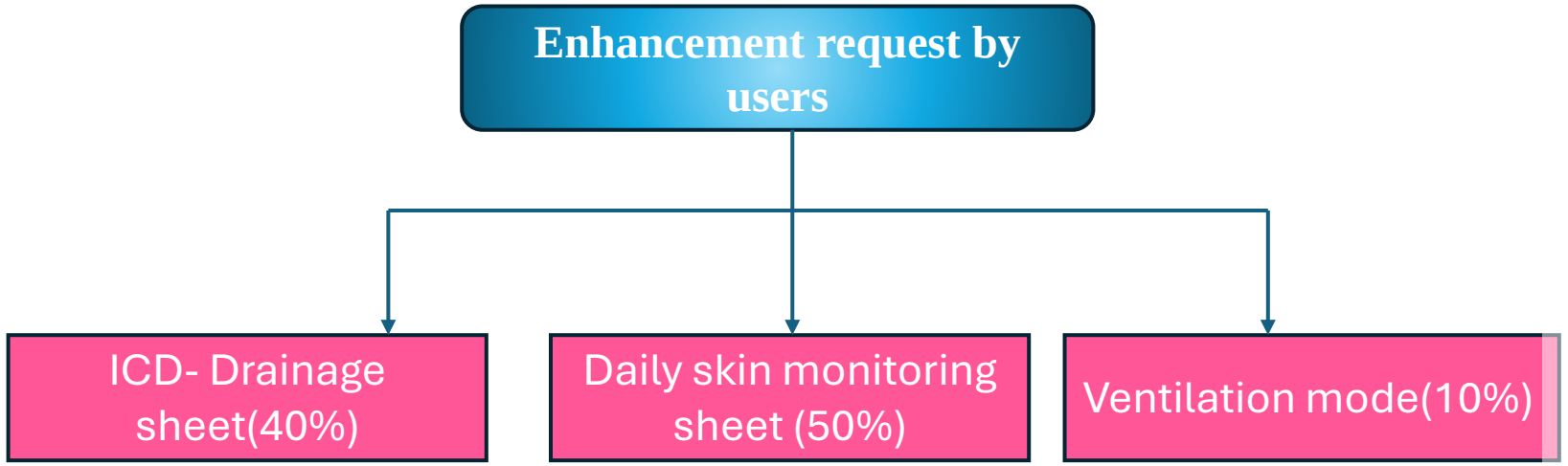
Time take for the Patient Handover

Time	Paper	NAMAH
30 sec	15.9%	52.7%
40 sec	51.2%	24%
1 min	17.1%	18%
Above 1 min	15.9%	4.3%

Features		Current gap	Improvement
VITAL	Fall score section:	User directly enters the Fall Risk Level from the options given in NAMAH.	Input a score for each specified variable as per NABH Standards.
	Staff Nurse Digital Signature	SNDT is not present in the Vitals Feature.	To integrate SNDT into the vitals feature of NAMAH.
	Pain Score & Pain Location	Pain Score & Pain Location section present in Vitals assessment.	Eliminate both section, Pain Assessment form already exists
Handover	Inter-departmental handovers	Inter-departmental handovers are not available in NAMAH.	Option to transfer the patient within the application
Dashboard	Shift In charge Dashboard	Must manually add all the patient in the ward under the watchlist.	Automate the watchlist feature by scyning with staff nurses

CHAT	Feature currently does not have the facility to view past medical records and OP record like AADI.	To integrate patient's past medical records including OP records in "Chat" feature.
	Medicine Card: overview features are not added	Features should be added in the MAR, as it is mostly used by the nurses
MAR	Difficulty foe users while searching for an item in MAR. such as medicine and IV fluid.	Generating the color codes based on the categories.
I/O Chart	Intake and Outake chart; Users entered the value don't have option to correct the value.	Users must have option to ammend the entered value .
	lack of yesterday's total balance visibility,(24 hr)	Include patient's I/O chart Balance history can be added.


USER FEEDBACK
Login Slowness(30%)
Internet issues(20%)
Fixing frequent issues(50%)


Enhancement request by users
ICD- Drainage sheet(40%)
Daily skin monitoring sheet (50%)
Ventilation mode(10%)

CONCLUSION

1

Minimize Documentation Tasks

Simplify and streamline documentation processes.

Reduce time spent on administrative tasks for nurses.

2

Ensure Secure Patient Record Storage

Implement robust security measures for patient confidentiality

Safeguard sensitive medical information within the app.

3

Enhance Access to Patient Information

Provide streamlined access to vital patient data.

Digitally manage patient records to improve efficiency

4

Empower Nurses Digitally

Offer mobile access for flexibility in patient care..

Equip nurses with tools to manage tasks

5

Equip nurses with tools to manage tasks efficiently

Enable seamless communication through chat features.

Improve coordination and collaboration among nursing staff.

THANKYOU