

Nightingale

AI Powered Digital Platform for Nursing Excellence

Problem Statement

- Nurses play a pivotal role in delivering comprehensive and quality patient care
- A substantial portion of nurses' work hours is consumed by documentation, coordination and communication efforts
- Time & motion study - nurses spend only **31.9% of time in direct patient care**



AI Powered Nursing Care Plan Generator

Patient Details:

Assessment

Diagnosis

Employee ID




Please validate the nursing diagnosis and click Submit:

Nursing Diagnosis

1. Hyperthermia related to infection as evidenced by elevated body temperature.
 2. Acute pain related to inflammation as evidenced by abdominal discomfort.





NURSING CARE PLAN

Name:	Age/Sex:	UHID:	DOA:
Nursing Diagnoses	Intervention	Outcome & Evaluation	
Date: Hyperthermia related to infection as evidenced by elevated body temperature.	<input type="checkbox"/> [...] Monitor vital signs, including temperature, every 4 hours. <input type="checkbox"/> [...] Administer antipyretic medications as ordered. <input type="checkbox"/> [...] Encourage increased fluid intake to promote hydration and cooling. <input type="checkbox"/> [...] Provide a comfortable environment with adequate ventilation and cooling measures.		
Date: Acute pain related to inflammation as evidenced by abdominal discomfort.	<input type="checkbox"/> [...] Assess and document the location, intensity, and quality of pain. <input type="checkbox"/> [...] Administer analgesic medications as ordered and reassess pain levels. <input type="checkbox"/> [...] Encourage the patient to		

Printable Nursing Care Plan

Automatic Consultation Notifications

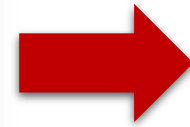
Request Details:

Diagnosis
Wilson's Disease

Reason for Consultation
Abnormal posturing of hands

Doctor
Dr Manoj G (General Medicine)

Priority
Routine



Dear Dr. Madhav Kumar,

You have a **Priority** cross consultation request for **Sujit K (35Y / Male)** admitted in **B4 (7457)**.

Admitting consultant: **Suresh Krishna (General Medicine)**
Diagnosis: **Wilson's Disease**
Reason for consultation: **Abnormal posturing of hands.**

To view more details and to accept / decline the consultation, **please visit the consultation tracker.**

BMH Kozhikode 2:43 pm

[Consultation Tracker](#)

&



Automatic voice calls with Speech-to-Text

BMH
more than care

Pending Consultations List

Search:

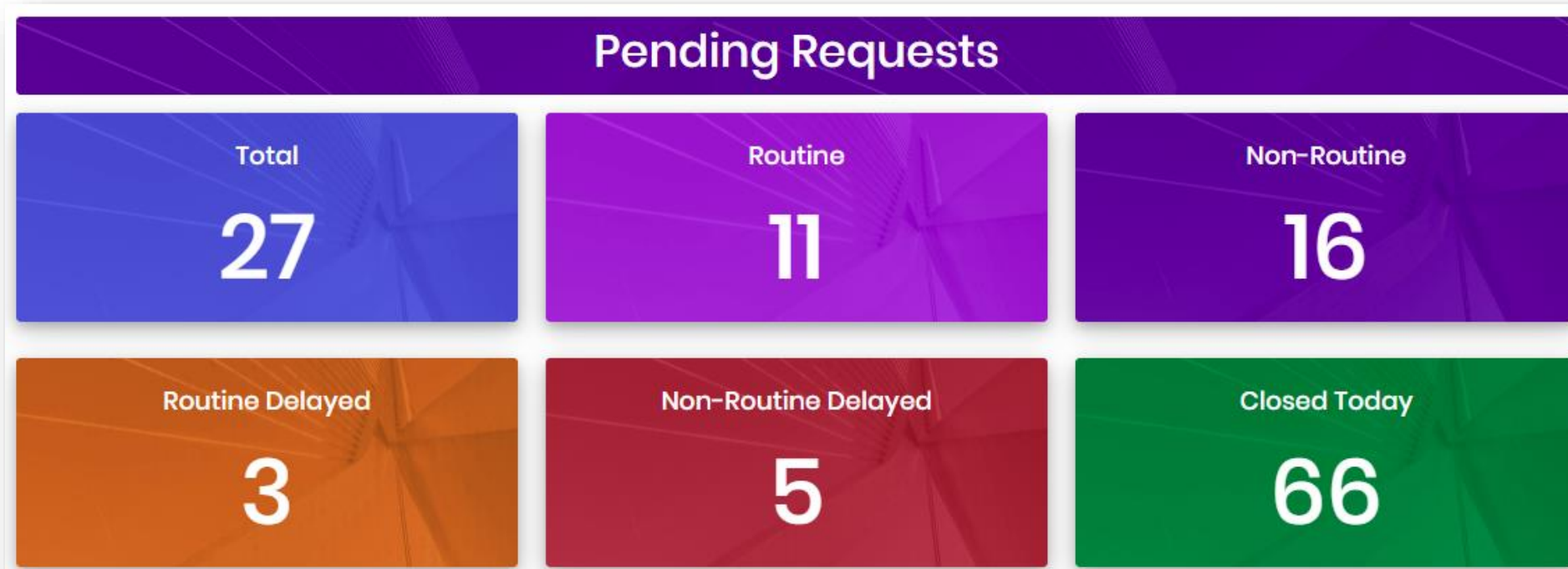
Patient	Location	Doctor
SUDHA RAJ	C7E (7737)	DIPU K.P,
MUMTAZ C	NEURO ICU (NICB11)	K A SALAM
K P SURESH	NEURO ICU (NICB12)	K A SALAM

Showing 1 to 3 of 3 entries

Notes:

- Consultations where the target TAT is exceeded are highlighted in **red**.
- The consultation will be shown in the pending list till it is marked **'Complete'** in nursing dashboard.

Physician Dashboard



Nursing Manager Dashboard

AI Powered Knowledge Base Article Generator

Knowledge Base Details:

Title

White Blood Cell Count

Category

Investigation

Submit



White blood cell count

Description

The white blood cell count investigation is a test performed to measure the number of white blood cells (leukocytes) present in a patient's blood. White blood cells are an essential part of the immune system and help fight off infections and diseases. This test is commonly used to diagnose and monitor various medical conditions, such as infections, autoimmune disorders, and certain types of cancers.

Parameters

1. White Blood Cell Count: This parameter measures the total number of white blood cells in the blood sample.

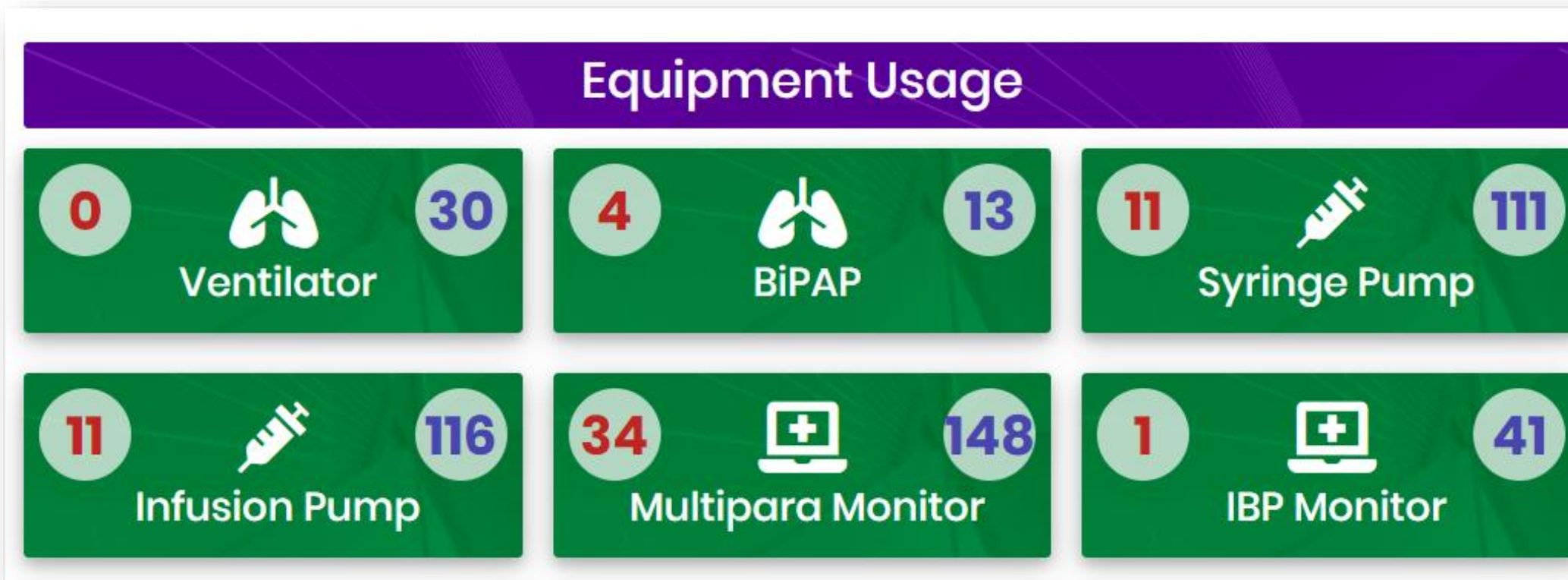
Patient Preparation

1. Inform the patient about the purpose and procedure of the white blood cell count

Submit article title and category

Article automatically generated

Equipment Usage Tracking

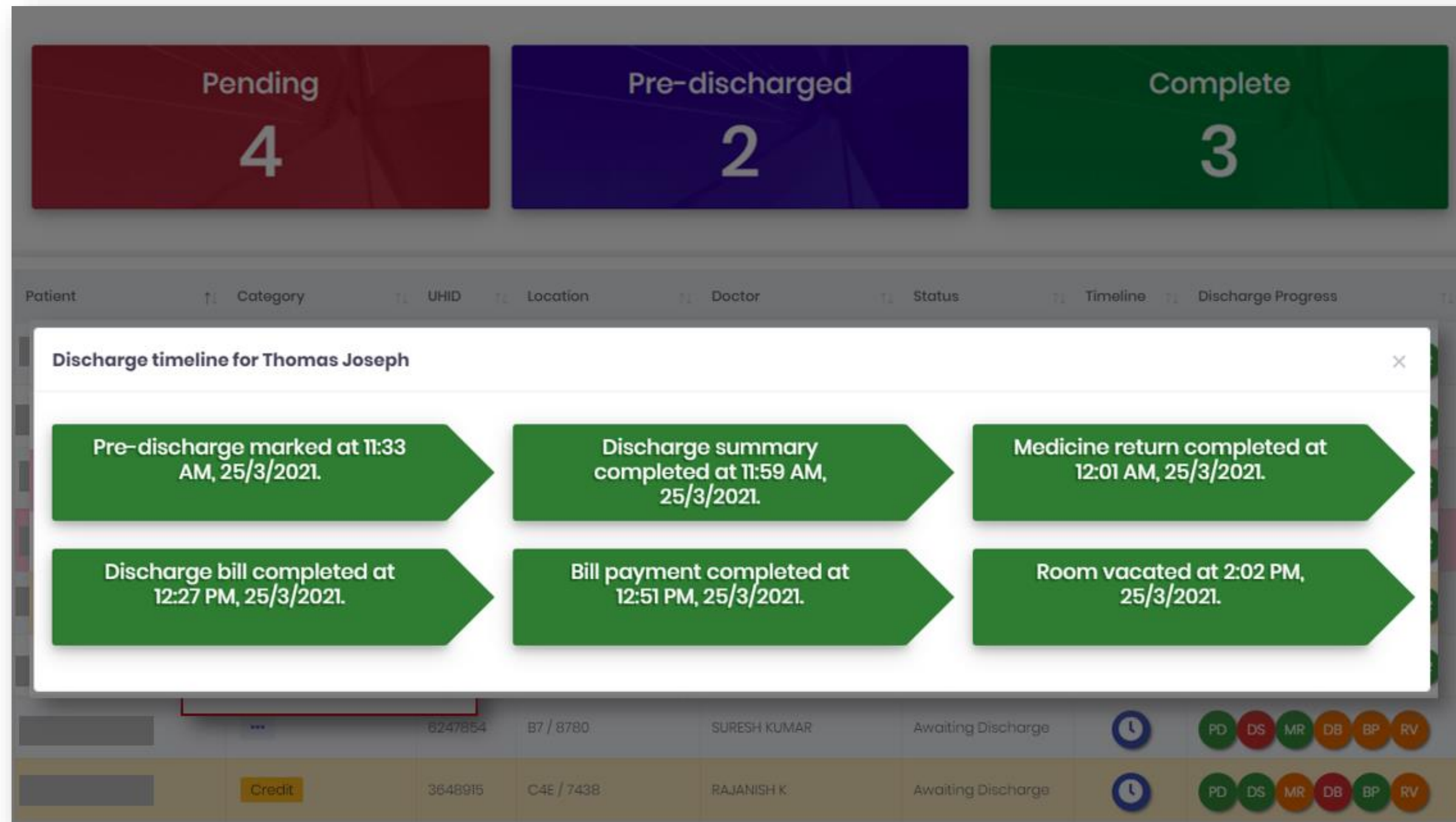


Usage Dashboard

Category	Ward	Assigned	Current	In-use	Available
Infusion Pump	PAED ICU	19	18	5	13
Infusion Pump	B5	3	3	3	0
Infusion Pump	CARDIAC ICU	8	8	1	7
Infusion Pump	NSICU	10	8	1	7
Infusion Pump	POPB	6	4	1	3

Location-wise Availability

Discharge Tracker



Track discharge status of each patient

Patient Status Tracker for Bystander Communication

Status Update

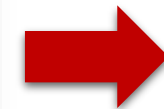
Pathway
Normal Delivery

Patient Status
Shifted to Delivery Table

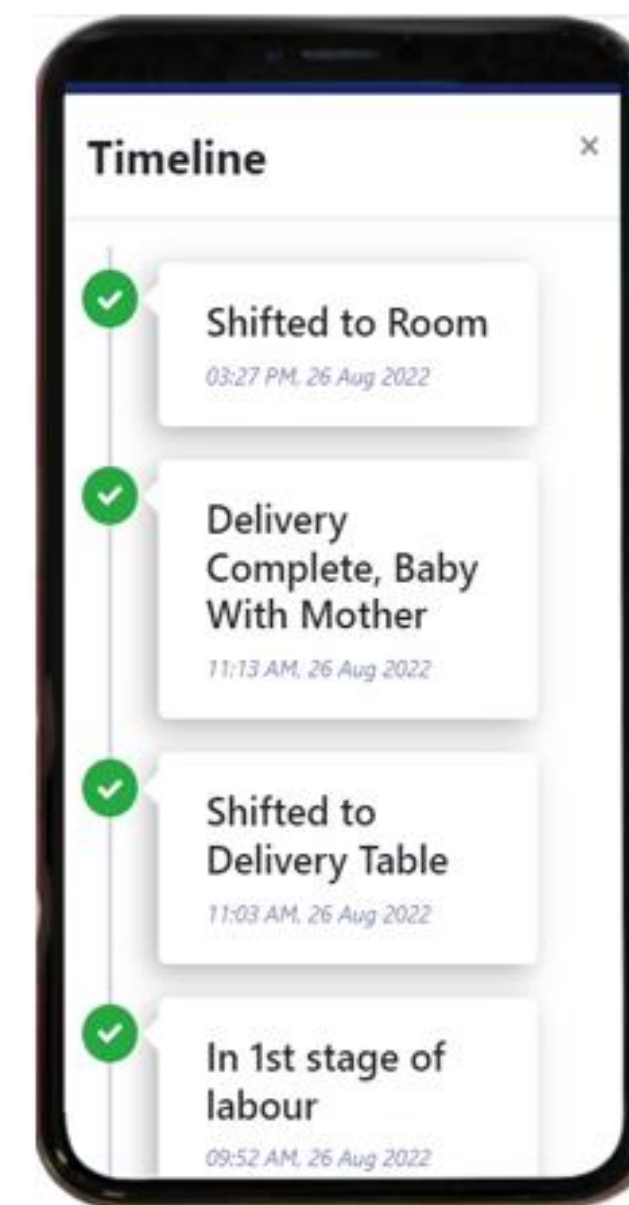
Communicated with Bystander?

Note: Important updates should be verbally communicated with the bystander.

Submit



App for bystanders to know status of patients in OT / labour room



Real-time status updates



Access to informational content

Impact

- Estimated savings of **10000 nursing hours per year** – increased focus on patient care
- The **automatic consultation notification** – timely consultations with minimal follow-up
- **Rapid generation of care plans and knowledge articles**
- Reduction in discharge time for cash patients from **3.5 hours to 1.5 hours**
- Improved **equipment utilization**
- The **management information system**: better visibility into the **real time deployment status** of the large nursing workforce across

Cost Effectiveness

- Low cost incremental innovation by the **in house IT team**
- Minimal capital expenditure with **cloud technology**
- Content generation at low cost using **Generative AI**
- Cost effective communication using **Conversational AI**

Scalability & Usefulness to Other Hospitals

- **Improves patient safety and quality of care**
- **Reduces costs** associated with manual processes and potential errors
- **Easily adaptable** to hospitals with diverse specialties and departments
- Effective tools for **collaboration** and escalation
- Modular design allows seamless **integration with existing hospital systems**
- **Cloud based infrastructure** enables easy deployment and any device access