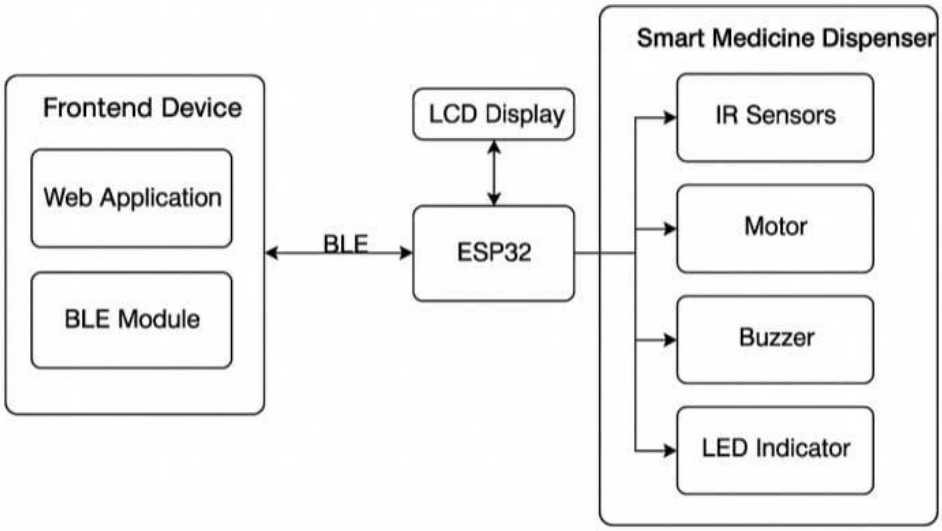
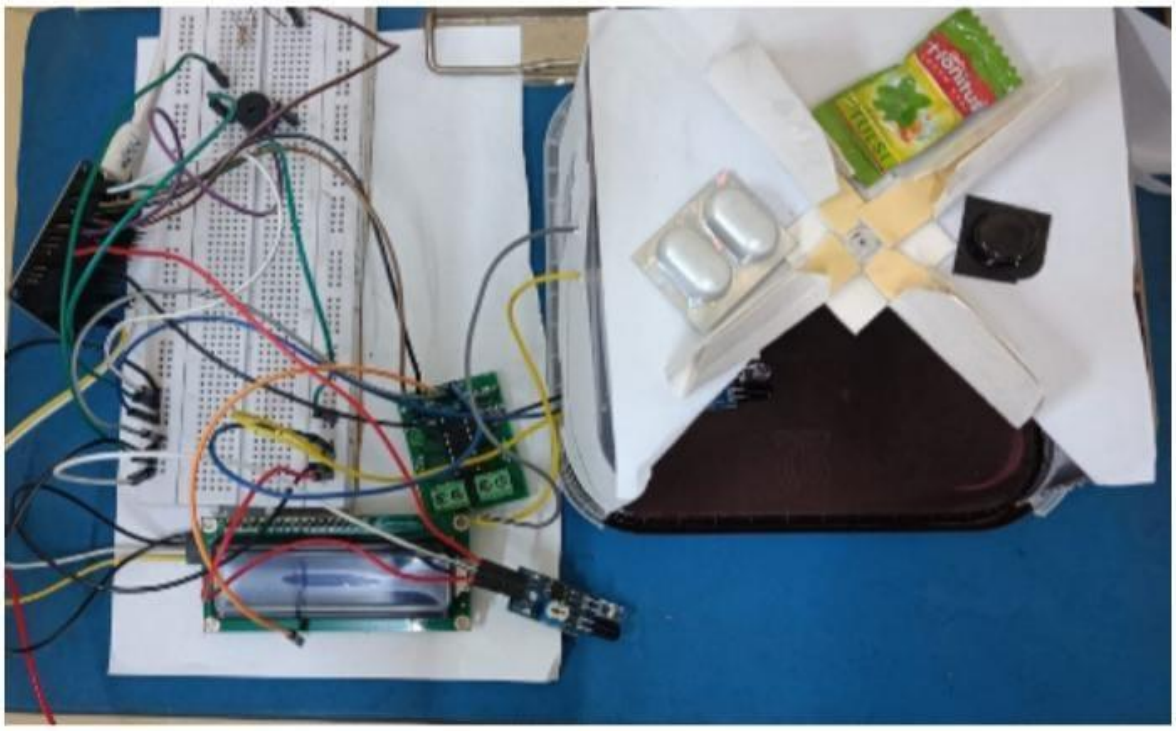
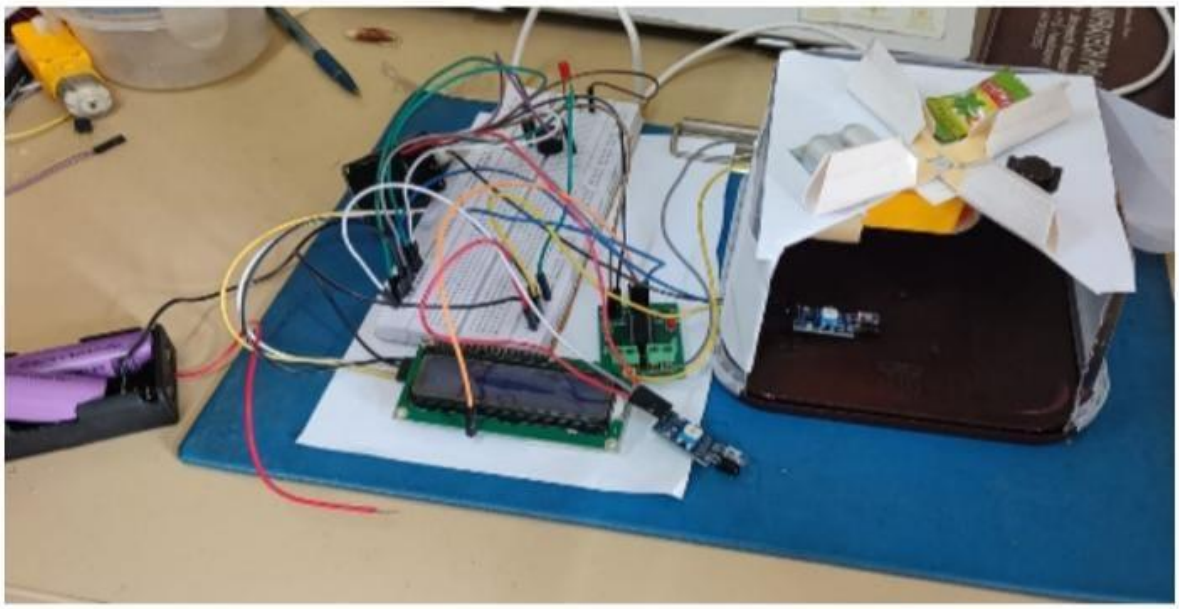
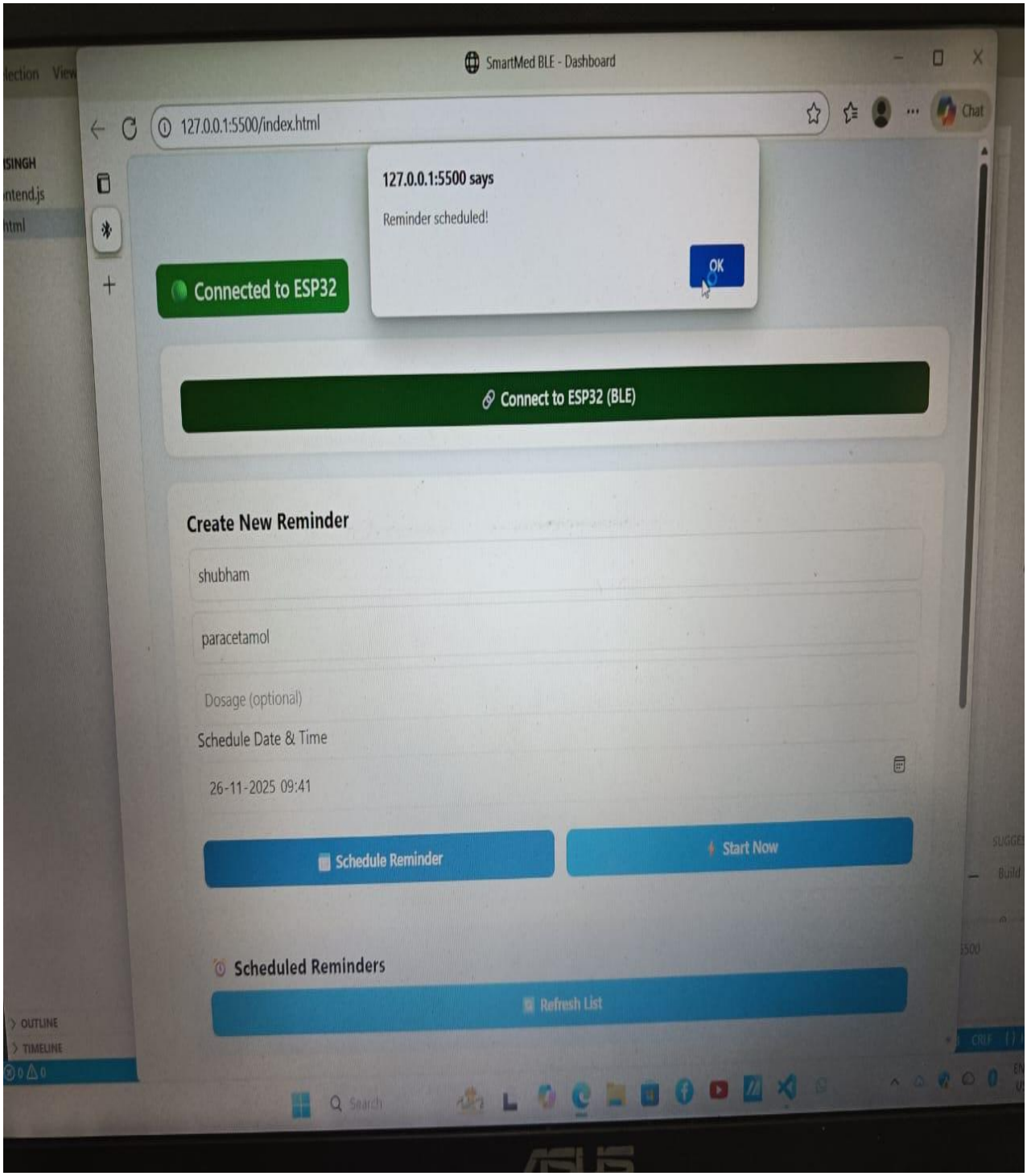
6.1 Block Diagram

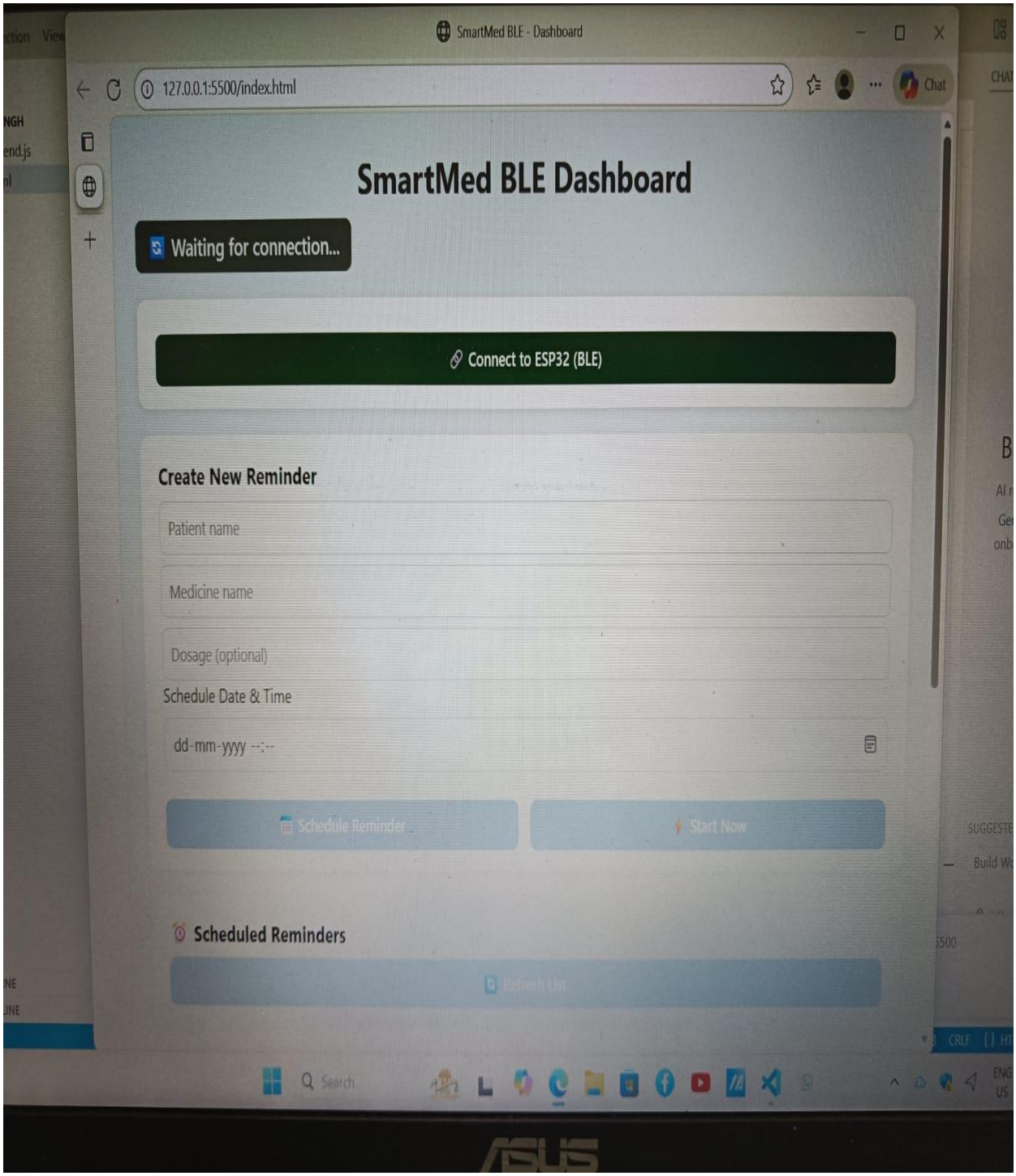


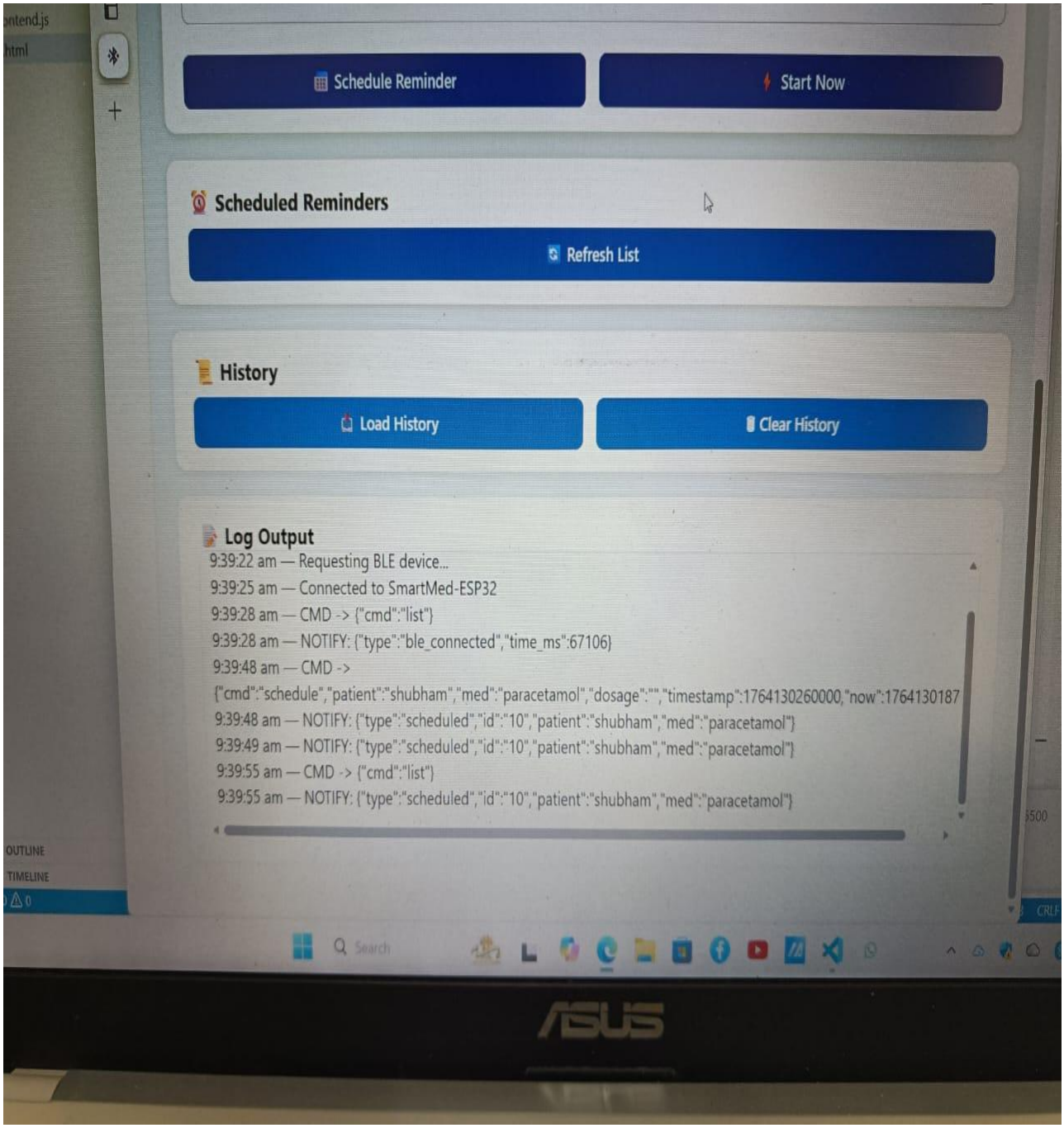
Smart Medicine Reminder and Dispensing System






SmartMed BLE - Dashboard
127.0.0.1:5500/index.html
Chat
127.0.0.1:5500 says
Reminder scheduled!
OK
Connected to ESP32
Connect to ESP32 (BLE)
Create New Reminder
shubham
paracetamol
Dosage (optional)
Schedule Date & Time
26-11-2025 09:41
Schedule Reminder
Start Now
Scheduled Reminders
Refresh List


SmartMed BLE - Dashboard
127.0.0.1:5500/index.html
Chat
SmartMed BLE Dashboard
Waiting for connection...
Connect to ESP32 (BLE)
Create New Reminder
Patient name
Medicine name
Dosage (optional)
Schedule Date & Time
dd-mm-yyyy --:--
Schedule Reminder
Start Now
Scheduled Reminders
Refresh List
Search


Schedule Reminder
Start Now
Scheduled Reminders
Refresh List
History
Load History
Clear History
Log Output
9:39:22 am — Requesting BLE device...
9:39:25 am — Connected to SmartMed-ESP32
9:39:28 am — CMD -> {"cmd":"list"}
9:39:28 am — NOTIFY: {"type":"ble_connected","time_ms":67106}
9:39:48 am — CMD ->
{"cmd":"schedule","patient":"shubham","med":"paracetamol","dosage":"","timestamp":1764130260000,"now":1764130187
9:39:48 am — NOTIFY: {"type":"scheduled","id":"10","patient":"shubham","med":"paracetamol"}
9:39:49 am — NOTIFY: {"type":"scheduled","id":"10","patient":"shubham","med":"paracetamol"}
9:39:55 am — CMD -> {"cmd":"list"}
9:39:55 am — NOTIFY: {"type":"scheduled","id":"10","patient":"shubham","med":"paracetamol"}
OUTLINE
TIMELINE
Search
ASUS

hand...

Taken

13:47 24%

medicine: medicine_taken

Inbox

Blynk Yesterday

to me

medicine_taken

✅ Medicine has been taken:

Open in the app | Mute notifications

--

Date: Tuesday, November 25, 2025, 12:13:28 AM India Standard Time
Device name: medicine
Organization: My organization - 7291CY
Template: medicine
Owner: iamshubham1808@gmail.com

13:47 24%

medicine: medicine_missed

Inbox

Blynk Yesterday

to me

medicine_missed

⚠️ Medicine missed - Dispense failed for parac (No pill detected)

Open in the app | Mute notifications

--

Date: Tuesday, November 25, 2025, 12:15:48 AM India Standard Time
Device name: medicine
Organization: My organization - 7291CY
Template: medicine
Owner: iamshubham1808@gmail.com