SOLVE-A-THON

Electronic Integrated Health Portal

TEAM NAME: Yatharth

DOMAIN: Wellbeing and Healthcare

VIT
CHENNAI
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Problem Statement

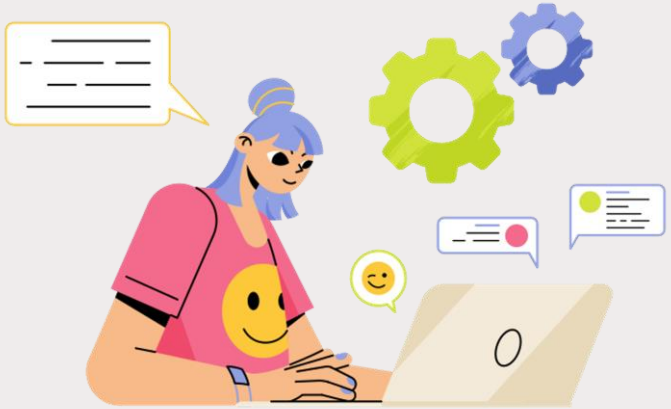
- **What problems are you aiming to address?**

In response to the growing complexities in healthcare management and the need for streamlined processes, there is a pressing demand for a comprehensive health portal that integrates medical history tracking, e-prescription services, and facilitates efficient management of debar exemption and a track of health of both students and faculties

Idea / Approach Details

- What is your idea to solve the problem?

We aim to setup a device in the health center that reads the hash value from the student or faculty's ID card and matches it with the database and directly opens a specific portal on website for the students and faculties where the entire medical history of the particular person is present and the prescription can be given on the same portal making the work paperless and more transparent. It can be easily accessed by the user, his parents, proctor and HOD which would make the management easy during debar exemption times and has many other benefits.



TechStack / Components

- **Can you provide details about the technologies/components used in your solution?**

Software Required:-
HTML,CSS,JAVA Script, flask, python, C, Arduino IDE
Hardware Components:-
Arduino UNO R3 board
LCD1602 IIC/I2C Blue Backlight
Flexible Breadboard Jumper Wires
830 Points Solderless Breadboard
MFRC-522 RC522 RFID + S50 Card + Keychain
1.64FT USB 2.0 A-B Male Printer Cable 0.5m
9V Battery Connector with DC
Male to female jumper wires
28mm Leg LED 5MM RGY
Resistors

Additional Info

- **Any additional information you want to convey?**

- The project would help the college management and the students to deal with the chaos during the debar exemption time.
- The changing shifts of the doctors would not effect any person's treatment as the previous medications data would be easily available in just one click.
- Option of E-prescription would be present, making the procedure paperless and more transparent.
- It would make easy for the guardian to track there ward's health.

Team Details

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