IC PROJECT

PROJECT NAME

SEIRI – PERIOD TRACKER

TEAM MEMBERS

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PERIOD TRACKER

This software offers insight into the female’s monthly cycle and reminds her about when her cycle is due. It also includes advice regarding sanitation, cramps, mood swings, and ovulation and fertility dates.

It will help females in understanding their body’s natural rhythm and reproductive health alongside making it easy for them to plan their days accordingly.

The software also has an adolescent mode for the clueless young women who wish to learn more about their menses and can gain insight about the same by interacting with Seiri, our user’s text-based companion.

KEY FEATURES

Seiri – our text-based companion:

* Our software includes a text-based companion, Seiri, who can provide incredible insights on female hygiene and health, and can interact based on the user’s current mood :)

Tracking:

* Record data input regarding initial and end date of periods and taking previous data as input to track accordingly. This allows user to know about their regularity of menstruation.

Prevention of reproductive health issue:

* Having entry of family history of reproductive diseases thus tells about which diseases the user is prone to.
* Gives information about symptoms and preventions of diseases like toxic shock syndrome etc.

Female sanitary hygiene information:

* Give information regarding proper use and disposal of sanitary pads, menstrual cups, etc. which helps in maintaining proper hygiene and preventing infections.

We believe we can implement all the above key features in our software by the project deadline.

CORE ICS CONCEPTS USED AND THEIR RELEVANCE:

* For memory management, using stdlib.h, we will utilize data structures including arrays, pointers and dynamic memory allocation (malloc, if applicable).
* Taking user inputs and performing mathematical calculations as applicable (math.h).
* We will be using intricate **switch cases** and **if-else** cases to create an interactive interface with Seiri.
* Using string.h to make Seiri even more personalised.

WHY WE CHOSE THIS TOPIC:

* Being girls ourselves, we remain constantly engaged in everyday activities which makes us forget about our menstrual cycles.
* This software can be used by all women to monitor their menses and will also help with their mood swings.

NEW SKILLS WE ARE ACQUIRING:

* Learning about different libraries like stdlib.h, stdbool.h, and time.h (if applicable) etc.
* Learning memory allocation techniques in C language.
* Making interactive software.
* Deploying our projects on platforms like Github.