**PROJECT SYNOPSIS**

**Project Title:** *Study Time Tracker*

**Domain:** Education

**Platform:** Web Development

**Problem Statement:**

To maintain a continuous tracking of student progress data helps student/parents/teachers to make sure that the process of education works according to expectations.

**Literature Survey:**

1. **Forest App**

Can't stop checking your phone?  
It's time to take back control and unleash your productivity with Forest, the revolutionary timer app that eliminates distractions and rebuilds your attention span in the easiest way!

**Description:** Plant a tree when you need to stay focused. If you commit to your task without getting distracted, your tree grows; if you cannot resist the temptation of using your phone, your tree dies. Over time, you will have an entire forest built from your focus and commitment.

[**Download Here**](https://play.google.com/store/apps/details?id=cc.forestapp)

1. **Rescue Time – Use Your Time Wisely**

**Description:** If you have doubts of you are using your time sensibly, this time management planner app will send you weekly reports to indicate what things are stealing your time. Aside from its automatic time-tracking feature, this app also has distraction blocking and efficient report tools. Rescue Time helps you avoid being overwhelmed by too many tasks too. This app also has team software that’s dedicated to time management among team members. With this app, you may be shocked to discover how much time you’re actually wasting.

[**Download Here**](https://www.rescuetime.com/)

**Advantages**

1. Categorise your tasks with tags and see how you allocated your time.
2. Track your phone usage and screen time.
3. Compete with users around the world and hit the leader board!

**Disadvantages**

1. None of this app is specially made for study time management.
2. Some of them is platform dependent.
3. To access all features you have to take pro subscription.
4. You have to face ad while using this app.

**Project Description:**

Study Tracker is an Platform which is design specially for student to monitor their Studying and non-studying hours, this will make them realizing of their waste of time.

By analysing their study timing students can plan their study schedule and achieve their goals.

**Advantages :-**

1. Help you remain focused on the task
2. Minimizes procrastination
3. Meeting your goals
4. Give you detailed overview of your day

**Software specifications:**

1. **Tech Stack:**
2. **Editor:** vs code
3. **Front End:** HTML, CSS, JS
4. **Minimum system requirement:**
5. **Operating System:** Windows 7/8/10/11, Linux, MacOS, Android
6. **Ram:** 2GB

**Feasibility study:**

1. We have implemented this in HTML, CSS, JS which we are already familiar with, so the project is technically feasible.
2. As we have implemented this in web based app so this is platform independent.
3. According to our survey 73% people will like to use this kind of app, which is good a number.

**Future Scope:**

1. We will add database to our project so that we can calculate the weekly, monthly performance.
2. We will Implement Face Recognition to track motion of student

**Algorithm Details**

1. Start
2. Declare variables for time (tens, seconds, minutes), buttons (start, stop, nexttask) and graphs (taskname, tasktime)
3. Under the function for Start button: a. Clear the value of timer a. Start timer again by calling function startTimer() b. Take name of task as input and store it in taskname array
4. Under the function for Stop button: a. Clear the value of timer
5. Under the function for Nexttask button:

a. Take time as input and store it in tasktime array a. Clear the value of timer

b. Set tens, seconds and minutes as 0

c. Create an array containing all color codes to be used in graphs

d. Create a pie chart using taskname as x-axis and tasktime as yaxis

e. Create a bar graph using taskname as x-axis and tasktime as yaxis

1. Under the function startTimer() a. Write conditions to minutes with seconds and seconds with tens so that the calculations and printing are accurate
2. Stop

**Source Code**

[**Code**](https://github.com/khan-mujeeb/PBL-Project)

**Hosted Link**

**Link** [**Study Time Tracker**](https://khan-mujeeb.github.io/PBL-Project/)

**Team information:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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