

■ Smart Study Planner

A lightweight, browser-based study planning tool built with **HTML, CSS, and JavaScript**. It helps students **organize tasks, set reminders, track progress, and visualize study plans** with a clean UI and timeline view.

■ Features

- ■ Add / Edit / Delete Tasks with titles, descriptions, dates, priorities, and progress.
- ■ Persistent Storage using localStorage (your tasks stay even after refreshing).
- ■ Timeline Visualization on a canvas (shows tasks between start & due dates).
- ■ Task Management (mark active or completed).
- ■ Search & Filters (All, Active, Completed).
- ■ Priority Badges (Low, Medium, High).
- ■ Progress Tracking with slider and visual bar.
- ■ Notifications for upcoming due tasks (requires browser permission).
- ■ Import / Export Tasks as JSON.
- ■■ Responsive Design – works on desktop and mobile.

■■ Tech Stack

- HTML5 – structure
- CSS3 – modern styling with variables, shadows, and responsiveness
- JavaScript (Vanilla) – localStorage, DOM manipulation, notifications, and timeline rendering
- Canvas API – timeline chart visualization

■ Project Structure

smart-study-planner/

■■■ index.html # Main application (HTML, CSS, JS in one file)

■■■ screenshot.png # App UI screenshot

■■■ README.md # Documentation

■ Getting Started

1. Clone the Repository

```
git clone https://github.com/your-username/smart-study-planner.git
cd smart-study-planner
```

2. Open in Browser

Simply open *index.html* in your preferred browser.

No server setup required – it runs locally in the browser.

■ Screenshot

The screenshot shows the 'Smart Study Planner' web application. At the top left is the logo and tagline 'Plan tasks, set reminders, and track progress with ease.' At the top right is an 'Enable Notifications' button. The main interface is divided into two columns. The left column contains a 'Add / Edit Task' form with fields for Title (e.g., 'Revise Chapter 5'), Description (Notes, topics to cover), Start Date and Due Date (both in dd-mm-yyyy format with calendar icons), Priority (a dropdown menu set to 'Medium'), and a Progress slider. At the bottom of the form are 'Save Task' and 'Clear' buttons, along with a small tip. The right column contains a 'Tasks' section with a star icon, tabs for 'All', 'Active', and 'Completed', a search bar, and a 'Total: 0' count. Below the tasks is a 'Timeline' section with a calendar icon and a large empty box for visualization.

■ Notifications

- When enabled, the app checks every minute for tasks due within the next hour.
- You'll receive a browser notification with the task title and description.

■ Import & Export

- Export tasks to a JSON file.
- Import tasks back into the app.
- Makes it easy to back up or share study plans.

■■■■ Author

Developed with ♥■ for students to organize their studies effectively.

■ License

This project is licensed under the **MIT License** – free to use and modify.