

PROJECT REPORT

A-Smart-Study-Planner

1. INTRODUCTION

THE PURPOSE OF THIS PROJECT IS TO CREATE A SMART STUDY PLANNER FOR STUDENTS THAT HELPS THEM TO STUDY BASED ON THEIR SUBJECTS, AVAILABLE TIME AND LEARNING GOAL. DURING EXAM PREPARATION MANY STUDENTS STRUGGLE TO MANAGE TIME. THIS PLANNER PROVIDES A WAY TO ORGANIZE DAILY AND WEEKLY STUDY TASK USING PYTHON.

2. OBJECTIVES

THE MAIN GOAL OF THIS PROGRAM INVOLVE:

- TO DEVELOP A SIMPLE AND USER FRIENDLY SOFTWARE COLLECTING BASIC INFORMATION.
- PRODUCE A CUSTOMIZE PLAN ACCORDING TO INPUT SUBJECTS AND TIME.
- TO ASSIST IN MAINTAINING STUDENTS' CONSISTENCY AND TRACKING THEIR STUDYING HABIT.
- TO ILLUSTRATE PRACTICAL PYTHON FOR LOCAL PROGRAMMING.

3. APPROACH

3.1 PROBLEM IDENTIFICATION

STUDENTS STRUGGLE TO MANAGE AND DISTRIBUTE THEIR STUDY TIME THROUGHOUT THE DAY.

3.2 SOLUTION APPROACH

THE SMART STUDY PLANNER SOLVES THIS PROBLEM BY:

- TAKING INPUT FROM USERS LIKE NAME, SUBJECTS, TOTAL HOURS AND DIFFICULTY LEVEL.

- DISTRIBUTING STUDY HOURS BASED ON DIFFICULTY LEVEL.

3.3 TOOLS AND TECHNOLOGIES USED

PYTHON

4. IMPLEMENTATION

PROGRAM STRUCTURE

- TAKING USER NAME
- ASKING FOR SUBJECTS NAME
- STORING DIFFICULTY LEVEL OF EACH SUBJECT
- ASKING AVAILABLE HOURS
- CALCULATING HOUR DISTRIBUTION
- GENERATE FINAL STUDY PLANNER

5. RESULT

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PS C:\Users\ruban\OneDrive\Desktop\PROJECT> & C:/Users/ruban/AppData/Local/Microsoft/WindowsApps/python3.13.exe c:/Users/ruban/OneDrive/Desktop/PROJECT/main.py
Enter your name: Ruba

Enter 1 subject: maths
Enter 2 subject: physics
Enter 3 subject: chemistry
Enter 4 subject: english
Enter 5 subject: python
Enter available hours per day: 8

Now enter the Difficulty Level of each subject
Type: easy / medium / hard
Difficulty level of maths: hard
Difficulty level of physics: medium
Difficulty level of chemistry: medium
Difficulty level of english: easy
Difficulty level of python: hard

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YOUR SMART STUDY PLAN
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maths:2.18hours/day
physics:1.45hours/day
chemistry:1.45hours/day
english:0.73hours/day
python:2.18hours/day
```

----- Daily Progress Tracker -----

Enter the subjects you have completed today (coma separated): python

Completed List: ['python']

Pending List: ['maths', 'physics', 'chemistry', 'english']

Today's Progress: 20.0 %

PS C:\Users\ruban\OneDrive\Desktop\PROJECT> █

6. ANALYSIS

THE PLANNER EFFECTIVELY DISTRIBUTES STUDY TIME IN A STRUCTURED MANNER. THE RESULTS SHOW THAT DIFFICULT SUBJECTS NATURALLY RECEIVE MORE TIME, WHICH HELPS STUDENTS FOCUS ON WEAKER AREAS. THE PROGRAM SUCCESSFULLY DEMONSTRATES HOW AUTOMATION CAN SUPPORT ACADEMIC PLANNING.