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Thanks for filling out this form: *Project-Based Learning (PBL) Report*

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Project-Based Learning (PBL) Report

Before you begin filling out this form, please make sure you have the following items ready:

- *Your day-wise notes for all stages of Design Thinking – Empathize, Define, Ideate, Prototype, and Test*

- *Screenshots of your innovation*

- *Screen recordings showcasing your innovation's working model*

- *Images of your innovation created during the Day 2 take-home task*

This form is designed to capture your reflections, ideas, and learnings from the innovations you developed as part of the **IBM SkillsBuild PBL activity**. Please take 5–10 minutes to complete it thoughtfully and honestly.

Email *

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Phone number *

6381334465

Trainer name *

◉ Aparna .R

○ Sanjai .M

○ Raju .P

College Name *

University College Of Engineering Kanchipuram

Qualification (Degree) *

B.E

Design Thinking Process Step 1 & 2: Empathise & Define

Step 1: Understanding the Need *

Which problem am I trying to solve?

Many college students struggle to manage their time effectively between academics, personal life, assignments, and skill development, which leads to stress, missed deadlines, and poor productivity.

Step 2: What is the problem?

The problem I want to solve in **one clear sentence**

[You can try a prompt like this: "I am ideating a solution for <enter your problem in detail> Convert this problem into a single clear sentence which I can share to an audience"]

The problem I want to solve (one clear sentence):
College students lack a simple and effective system to plan, prioritize, and track their daily academic and personal tasks, resulting in poor time management and increased stress.

Why is this problem important to solve? *

[You can try a prompt like this: "Draft 1-2 lines on why this problem is important to solve. Support this with evidence using relevant data points"]

Poor time management among students leads to academic pressure, anxiety, and burnout.
Studies show that students with structured planning habits perform better academically and experience lower stress levels compared to those without proper time management tools.

Take-home task *

Ask 2–3 people (you can speak to your family members, friends, teachers, trainers) what they think about this problem. Write down surprising or new things you learn below.

Friend (CSE student): Said they often forget deadlines because assignments, exams, and personal tasks are scattered across different apps or notebooks.
Family member: Felt students today are overloaded with work and distractions, making it hard to stay focused without guidance.
Teacher/Trainer: Observed that many students fail not due to lack of ability, but because of poor planning and time usage.

Design Thinking Process Step 3: Ideation

Step 3: Brainstorming solutions *

List **at least 5 different solutions** (wild or realistic)

[You can try a prompt like this: "*I am ideating solutions for <enter your problem in detail> Suggest 5 unique solutions for this problem, which I can easily accomplish in 2 days using free, open-source mobile-friendly AI tools*"]

Problem: College students struggle with poor time management, leading to stress and missed deadlines.
Possible Solutions:
AI-based Smart Study Planner App
A mobile-friendly app that automatically creates daily schedules based on classes, deadlines, and free time.
WhatsApp/Telegram AI Reminder Bot
A chatbot that sends deadline reminders, motivational messages, and quick study tips.
Gamified Task Manager
A to-do app where students earn points, badges, or rewards for completing tasks on time.
Voice-Based Daily Planner
An AI tool where students speak their tasks, and the system converts them into an organized schedule.
Minimalist AI Timetable Generator
A simple web/mobile tool that converts assignment deadlines into a clean, visual timetable in seconds.

Step 4: My favourite solution: *

AI-based Smart Study Planner App

Step 5: Why am I choosing this solution?

*

I am choosing this solution because it is easy to build using free AI tools, highly useful for students, and mobile-friendly. It directly solves the problem by organizing tasks automatically, reducing stress, and improving productivity without requiring technical knowledge from the user.

Take-home task *

Generate the image of your solution and how it will look (eg. "a bag that charges your phone while you walk")

Attach the image in this box below:

[You can try a prompt like this: "*I am ideating a solution for <enter your problem in detail> I have selected a solution which includes <enter your solution description> Generate an image for this solution*]

Submitted files

    🖼 Screenshot_2026_0204_092732 - Vaishnavi.png

Question
Tools you can use for Day 2

ChatGPT/Perplexity AI:
You can use these tools to compare your solutions and choose the most effective one

AI Tools you can use
for the take-home task:

Canva AI/CoPilot
AI/Meta AI: Use these mobile-based tools to generate images for the solution they want to design

Day 3

Design Thinking Process Step 4 & 5: Building & Testing my Prototype

Step 6: Prototype – Building my first version *

What will my solution look like?

[Take inspiration from the image generated on Day 2 and describe the solution]

My solution will look like a simple mobile-based AI study planner app with a clean and minimal interface. The home screen will show today's tasks, upcoming deadlines, and a progress bar. Users can add tasks using text or voice input, and the AI automatically arranges them based on priority and available time. The design is distraction-free, student-friendly, and easy to use even for beginners.

What AI tools will I need to build this?

[You can try a prompt like this: "*I am ideating a solution for <enter your problem in detail> I have designed a solution which includes <enter your solution description> What open-source, free AI tools that I can use to build this solution? The tools should be easily available and accessible on my mobile. Do not recommend tools which requires cost or subscription"*]
*

To build this solution, I will use free and mobile-accessible AI tools that do not require paid subscriptions. These tools will help with idea generation, UI design, task logic, and image creation for the prototype.

Top AI tools I finally selected to build this solution? [Eg. Claude AI, Grok AI, Chatling AI]

Write it in 5 lines as 5 points
*

ChatGPT – to design features, task flow, and AI scheduling logic
Canva AI – to design the mobile app UI screens and visuals

Google Gemini (free) – to validate ideas and improve productivity suggestions
Meta AI (WhatsApp/Instagram) – to generate quick visuals and interface ideas
Figma (free version) – to create a clickable prototype of the app design

Step 7: Test – Getting Feedback

Who did I share my solution with? [You may share it with your trainer, peers or even AI] *

shared my solution idea and prototype concept with: A college friend A classmate An AI tool (ChatGPT) for feedback

What positive feedback did I receive? *

The solution is very relevant to students' daily problems The idea is simple, practical, and easy to use The mobile-friendly design makes it convenient for regular use

What feedback did I receive for improvement?
*

Add notifications and reminders for deadlines Include a weekly progress summary Provide customization options for different study styles

Take-home task

Record your solution and test feedback in voice notes.
Upload your voice notes, images and your solution/model on GitHub

AI Tools you can use
for Step 6-7:

ChatGPT/Perplexity
AI/Claude AI/Canva AI/Chatling AI/Figma AI: *You can use these tools to build solutions/models or mock-up dummy prototypes*

Day 4

Presenting & Reflecting on my Innovation

Step 8: Presenting my Innovation *

Final Project Title:

Smart AI Study Planner for College Students

Key points of my presentation

 *

[You can try a prompt like this with attachment/screenshot of your solution: "I am ideating a solution for <enter your problem in detail> I have selected a solution which includes <enter your solution description> I tested the solution with <enter details of who tested your solution> and they gave the following feedback <enter feedback given by the testers> Generate a 1-minute pitch document with following headings: project title, problem statement, my innovation, feedback I received from users, impact of my innovation. Add the attached image in the pitch document"]

Problem Statement:
College students struggle with poor time management, missed deadlines, and academic stress due to lack of proper planning tools.
My Innovation:
A mobile-friendly AI-based study planner that automatically organizes tasks, prioritizes deadlines, and helps students manage their daily academic and personal activities efficiently.
How It Works:
Students enter tasks through text or voice, and the AI creates a simple daily schedule with reminders and progress tracking.
Testing & Feedback:
The solution was shared with peers and friends who found it practical, easy to use, and helpful for reducing stress.
Impact of My Innovation:
This solution helps students improve productivity, reduce anxiety, and develop better time management habits using free and accessible AI tools

Step 9: Reflections *
What did I enjoy the most during this project-based learning (PBL) activity?

enjoyed the brainstorming and ideation phase the most because it allowed me to think creatively about real-life problems faced by students.
Designing a solution using AI tools made learning interactive and practical.
This activity helped me understand how technology can be used to solve everyday problems effectively.

Upload images of your day-wise notes/responses of all questions
You can also combine your images into one PDF file and upload
 *

Submitted files

🖼️ *file_000000000bc07208881e6bce7faf47f9 - Vaishnavi.png*

Upload Mini Project link *

https://learn-easy-aid.lovable.app

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https://learn-easy-aid.lovable.app.   *GitHub* - *https://github.com/vaishnavi2725/learn-easy-aid.git*

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