Google Forms

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.

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Trainer name *

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College Name *

University College of Engineering, Kanchipuram

Qualification (Degree) *

B.E - Computer Science and Engineering

Day 1

Design Thinking Process Step 1 & 2: Empathise & Define

Step 1: Understanding the Need *

Which problem am I trying to solve?

This project solves the problem of difficulty in finding books and stationery items in one place. It helps students and users easily view products, check prices, and place orders online. The website makes purchasing books and stationery simple, fast, and convenient.

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*"]

Students often find it difficult to easily access and order books and stationery items from a single, convenient online platform.

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*"]

This problem is important because students regularly need books and stationery for their studies, and limited availability or time constraints make purchasing difficult. With the growth of online learning and digital usage, providing an easy online platform saves time and improves access to study materials.

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.

Some students said they waste a lot of time visiting different shops to find required books and stationery.
• A teacher mentioned that students sometimes miss important study materials because they are not easily available in nearby stores.
• A friend said having one website for both books and stationery would be convenient and help compare prices easily.

Day 2

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*"]

1. Create a simple online store for books and stationery with order form.
2. Build a mobile-friendly website for searching and ordering study materials.
3. Create a notes and book recommendation platform for students.
4. Add a request form for unavailable books or stationery items.
5. Develop a website showing popular and discounted study materials.

Step 4: My favourite solution: *

Creating a simple and mobile-friendly online store website for books and stationery that allows students to easily view products, check prices, and place orders.

Step 5: Why am I choosing this solution?

*

I am choosing this solution because it is simple to develop, useful for students, and solves the problem of easily purchasing books and stationery from one platform. It is also practical to complete using AI tools and improves online shopping convenience.

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

📄 front page (1) - Harini A.pdf

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

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Day 3

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

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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 be a simple and mobile-friendly online website for books and stationery. The website will have a homepage with store name, banner, and navigation menu. It will include separate sections for books and stationery with product images, price, and details. Users can easily place orders using an order form and view contact details. The design will be clean, attractive, and easy to use.

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"*]
*

1. Bold.ai – To create and design the website easily using AI.
2. ChatGPT – To generate website content, descriptions, and ideas.
3. Google Forms – To create a simple order or contact form.

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
*

1. Bold.ai – To design and build the website.
2. ChatGPT – To generate content and project ideas.
3. Canva – To create banners, logos, and product images.
4. Remove.bg – To edit and remove image backgrounds.
5. Google Forms – To create order and contact forms.

Step 7: Test – Getting Feedback

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

I shared my solution with my friends, classmates, and trainer, and also took suggestions from AI tools.

What positive feedback did I receive? *

I received feedback that the website idea is useful and helpful for students to easily buy books and stationery. They liked the simple design, easy navigation, and the order form feature which makes purchasing convenient.

What feedback did I receive for improvement?
*

I received suggestions to add a search and filter option for products, improve product descriptions, and include more categories. They also suggested adding order confirmation messages and improving the design with better images.

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:

Online Book and Stationery Store Website

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"*]

*Project Title: Simple Online Book and   Stationery Store
 *Problem: Difficulty in buying books and stationery in one place
*Innovation: User-friendly website to view products and place orders
*Feedback: Good design and easy ordering, suggested search feature
 *Impact: Saves time and helps students access study materials easily

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Step 9: Reflections *

What did I enjoy the most during this project-based learning (PBL) activity?

I enjoyed designing and creating the website using AI tools and learning how to solve a real-life problem. I also enjoyed getting feedback and improving my project.

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

📄 PDF Website - Harini A.pdf

Upload Mini Project link *

https://online-book-statione-4cz0.bolt.host