



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

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Wed, Feb 4, 2026 at 9:49 PM

To: dhiya122005@gmail.com

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.

Email *

dhiya122005@gmail.com

Name *

Dhiya. V

Email ID (as per IBM Skills Build) *

dhiya122005@gmail.com

Phone number *

7339511733

Trainer name *



Aparna .R



Sanjai .M



Raju .P

College Name *

University college of engineering kanchipuram

Qualification (Degree) *

Computer science and engineering -B.E

Day 1

Design Thinking Process Step 1 & 2: Empathise & Define

Step 1: Understanding the Need *

Which problem am I trying to solve?

Students face difficulty accessing reliable, organized, and subject-specific study materials in one place, especially before exams.

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"]

I am ideating a solution for students who struggle to find, share, and access quality study notes and PDFs because existing resources are scattered, unorganized, or unreliable."

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"]

Many students waste hours searching for notes across multiple platforms, which reduces effective study time.

Studies show that peer-shared notes and centralized resources significantly improve exam preparation and understanding, especially for average learners.

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.

A student friend said they often depend on WhatsApp groups where notes get lost easily.

Another friend mentioned most online notes are outdated or incomplete.

A teacher felt a centralized notes platform would encourage collaborative learning among students.

Surprising insight:

Most students prefer semester-wise and subject-wise filtering rather than random uploads.

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"]

Student Notes Sharing Website

A website where students can upload, download, and search notes by subject and semester.

AI-Organized Notes Library

AI automatically categorizes uploaded PDFs into subjects and semesters.

College-Specific Notes Portal

Separate sections for different colleges and departments.

Mobile Notes Exchange App

A lightweight app focused only on sharing PDFs and handwritten notes.

Exam-Focused Resource Hub

Notes, previous questions, and summaries curated for exams only.

Step 4: My favourite solution: *

Student Notes Sharing Website

Step 5: Why am I choosing this solution?

*

Easy to build within 2 days using free tools and templates Accessible on mobile and desktop Helps students upload, download, and search notes quickly Encourages peer-to-peer learning Can be expanded later with AI features

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_20260204_212720 - Dhiya Dhiya.jpg

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/CePilot

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 clean, academic-style student notes sharing website. The homepage will have a search bar at the top, followed by semester-wise and subject-wise categories. Students can upload PDFs and notes using a simple upload button. A Latest Notes & Study Resources section will display recently added materials. The design will be simple, mobile-friendly, and easy to navigate, focusing on quick access to study materials.

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, open-source, and mobile-accessible AI tools that do not require paid subscriptions.

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 website structure, features, and sample content

Canva AI - to design UI screens, homepage layout, and icons

Github Copilot (Free version) - to assist with basic HTML/CSS code suggestions

Google Forms - to collect notes uploads initially

Firebase (Free tier) - for file storage and basic hosting

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 with: One classmate One senior student One teacher

What positive feedback did I receive? *

Students liked the subject-wise and semester-wise organization They felt the website would save time before exams The upload and download feature was considered very useful The clean and simple design was easy to understand

What feedback did I receive for improvement?

*

Add a preview option before downloading notes Include ratings or likes for useful notes Add verification or moderation to avoid duplicate or low-quality content Provide a dark mode for night study

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/ChatGPT 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:

StudyShare - A Smart Student Notes Sharing Platform

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"]

Students struggle to find reliable, organized study materials because notes are scattered across WhatsApp groups, emails, and random websites.

Testing & Feedback

I tested the idea with classmates, senior students, and a teacher.

They appreciated the simple design, quick access to notes, and clear categorization.

Improvements Suggested

Users suggested adding note previews, ratings for quality content, and moderation to maintain reliability.

Impact of My Innovation

This solution saves time, reduces exam stress, encourages peer-to-peer learning, and helps students study smarter—not harder.

Step 9: Reflections *

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

I enjoyed turning a real student problem into a practical digital solution.

Brainstorming ideas, testing them with others, and improving based on feedback helped me think like an innovator.

This activity boosted my confidence, creativity, and problem-solving skills.

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



AnyScanner_02_04_2026(2) - Dhiya Dhiya.pdf

Upload Mini Project link *

<https://student-notes-sharin-jri0.bolt.host/>

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