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To: jeevithar2424@gmail.com

Tue, 3 Feb 2026 at 9:20 pm

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Thanks for filling in 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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Name *

Jeevitha R

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Phone number *

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Trainer name *

- Aparna .R
- Sanjai .M
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College Name *

University college of engineering,kanchipuram

Qualification (Degree) *

Day 1

Design Thinking Process Step 1 & 2: Empathise & Define

Step 1: Understanding the Need *

Which problem am I trying to solve?

I am trying to solve the problem faced by patients who need urgent medical help when hospitals are closed or doctors are unavailable, especially during nights, holidays, or emergencies.

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*"]

Patients often struggle to access immediate medical consultation during emergencies when hospitals are closed or unavailable.

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*"]

Delayed medical attention during emergencies can lead to serious health complications or loss of life. Providing instant online access to doctors ensures timely guidance, reduces panic, and helps patients take correct immediate actions until in-person care is available.

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 family member shared that during late nights, it is difficult to find open hospitals or available doctors.

A friend mentioned that online consultation could save time and reduce unnecessary emergency room visits.

A teacher felt that instant alerts about hospital availability would help patients make faster and better decisions.

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.An emergency medical app connecting patients with online doctors after hospital hours.
 - 2.A hospital availability alert system showing open/closed status in real time.
 - 3.An AI symptom checker that guides users and escalates emergencies to doctors.
 - 4.A one-tap emergency doctor hotline mobile application.
 - 5.A community-based platform for nearby medical professionals to offer help.
-

Step 4: My favourite solution: *

An emergency medical app that connects patients with doctors online. It works even when hospitals are closed or unavailable. The app provides instant medical guidance.

Step 5: Why am I choosing this solution?

*

It reduces delays in emergency medical care. Patients get quick advice without visiting hospitals. The solution is simple and mobile-friendly

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 (2) - Jeevitha Jeevitha.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 be an AI-based dashboard that predicts student dropout risk using attendance and academic data. It shows risk alerts and provides prevention suggestions in a simple, mobile-friendly interface.

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*"]

*

I will use free AI tools for data analysis, prediction, and prototype design. These tools are easily accessible on mobile and do not require any paid subscription.

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

*

Bolt ai

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 with my trainer, classmates, and AI tools for feedback. They reviewed the idea, flow, and usefulness of the system.

What positive feedback did I receive? *

The solution was appreciated for its social impact and practical usefulness. The interface and prevention suggestions were found to be clear and helpful.

What feedback did I receive for improvement?

*

I was advised to improve prediction accuracy using more data features. Suggestions were given to add graphs and real-time alerts.

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

Presenting & Reflecting on my Innovation

Step 8: Presenting my Innovation *

Final Project Title:

Emergency Medical Assistance App

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"]

Identified the problem of no medical access after hospital hours.

Proposed an app for instant online doctor consultation and alerts.

Explained benefits, user feedback, and real-life impact.

Step 9: Reflections *

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

I enjoyed identifying a real-world problem and designing a solution.

Learning design thinking and using AI tools was interesting.

Testing ideas and improving them was the best part.

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



Screenshot (2) - Jeevitha Jeevitha.png

Upload Mini Project link *

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