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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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Trainer name *

Aparna .R

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College Name *

University college of engineering kancheepuram

Qualification (Degree) *

B.E (CSE)

Day 1

Design Thinking Process Step 1 & 2: Empathise & Define

Step 1: Understanding the Need*

Which problem am I trying to solve?

Patients struggle to get immediate medical help due to hospital crowding, travel distance, and limited doctor availability, especially during emergencies and at night.

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 do not have quick and easy access to doctors and medical services anytime and anywhere.

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 care can lead to serious health risks and deaths, especially in rural areas where doctor access is limited.

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.

People shared that long waiting times, travel difficulty, and lack of emergency contacts make it hard to get timely medical help, especially for elderly and emergency cases.

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”]

A mobile app for 24/7 video and chat consultation with doctors.
An AI symptom checker that suggests the right doctor instantly.
Emergency one-click ambulance booking with live location tracking.
Online medicine ordering and delivery through nearby pharmacies.
Fitness and diet tracking with doctor-approved plans.

Step 4: My favourite solution: *

A single mobile platform that connects patients with doctors 24/7 and also provides ambulance booking, medicine delivery, and health tracking.

Step 5: Why am I choosing this solution?

*

This solution is easy to build using free AI tools and solves multiple healthcare problems in one place, making medical help faster and more accessible.

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



WhatsApp Image 2026-02-04 at 9.00.44 PM - Deepika 3010.jpeg

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 looks like a modern medical website with separate dashboards for doctors and patients, featuring video call, chat, ambulance booking, medicine purchase, and fitness & diet tracking in a clean healthcare-themed UI.

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 used free AI tools to generate the website layout, UI design, and basic working flow without manual coding, making it fast and easy to prototype.

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

Write it in 5 lines as 5 points

*

Lovable AI – to create the full website prototype
ChatGPT – for problem statements and content
Canva AI – for UI inspiration
Meta AI – for image generation
Figma AI – for screen design mockups

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, family members, and AI tools to get feedback.

What positive feedback did I receive? *

They liked the idea of connecting doctors and patients 24/7 and felt the ambulance booking and video call features would be very useful in emergencies.

What feedback did I receive for improvement?

*

They suggested improving loading speed, adding regional language support, and simplifying the interface for elderly users.

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:

Mediverse

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: Mediverse

Problem Statement:

Many patients cannot access doctors quickly during emergencies due to distance, hospital crowding, and limited doctor availability.

My Innovation:

Mediverse is a medical website that connects doctors and patients from all hospitals 24/7 using video call, voice call, and chat, and also provides ambulance booking, online medicine purchase, and fitness & diet tracking with separate dashboards for doctors and patients.

Feedback I received from users:

Users appreciated the 24/7 doctor access and emergency features but suggested adding regional language support and improving simplicity for elderly users.

Impact of my Innovation:

Mediverse can reduce treatment delays, improve emergency response, and make healthcare more accessible, especially for people in remote areas.

Step 9: Reflections *

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

I enjoyed designing my own healthcare solution and using AI tools to turn my idea into a real website prototype. It was exciting to see my concept come to life and get feedback from others.

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



mediverse - Deepika 3010.pdf

Upload Mini Project link *

<https://nexus-care-sphere.lovable.app/>

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