



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

1 message

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To: yenugumanikanta@gmail.com

Tue, 16 Dec, 2025 at 12:05

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Thanks for filling out this form: [Project-Based Learning \(PBL\) Report](#)

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Project-Based Learning (PBL) Report

Spend 5-10 minutes to fill this form.

Before filling this form, keep the following things ready:

- Your day-wise notes of all design thinking questions [Empathise, Define, Ideate, Prototype, Test]
- Screenshots of your innovation
- Screen recordings of your innovation's working model
- Innovation images generated on Day 2 take-home task

This form is to record your thoughts and ideas about the innovations you made as part of IBM SkillsBuild's PBL activity so fill this form honestly and completely.

Your email (yenugumanikanta@gmail.com) was recorded when you submitted this form.

Your Full Name *

Yenugu Veera Venkata Siva Naga Manikanta

Your Email ID (as per IBM SkillsBuild)

yenugumanikanta@gmail.com

Your Mobile Number *

6300959022

College Name *

Krishna University

Qualification(Degree) *

B-Tech

Day 1

Design Thinking Process Step 1 & 2: Empathise & Define

*Step 1: Understanding
the Need*

Which problem am I
trying to solve?

*

To make a portfolio to make a work easy

*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*"]

To make a portfolio to regard the courses and certificates

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*"]

To make the work easy

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.

*

Many students know what to study but don't know where to start or what order to learn skills in portfolio

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"]

Mobile app with AI/ML/Python learning roadmap

Daily mini project challenges using Python

Peer-to-peer mentorship WhatsApp/Telegram group

AI chatbot that answers coding doubts instantly

Free online bootcamp with recorded sessions

Step 4: My favourite solution:

*

Interactive mobile learning app for AI, ML & Python

Step 5: Why am I choosing this solution?

*

Because it is easy to use,

mobile-friendly, free, and helps students learn through hands-on projects and guided practice in one place

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_20251216_115310_Samsung Internet - Manikanta Yenugu.jpg

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]

*

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*"]

Free, mobile-friendly AI tools for content creation, coding help, chatbot support, and UI design.

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

*

Write it in 5 lines as 5 points

ChatGPT

Google Gemini

Hugging Face

Canva AI

GitHub Copilot

Step 7: Test – Getting Feedback

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

Two classmates and one trainer.

What positive feedback did I receive?

*

Easy to use, practical, and helpful for beginners.

What feedback did I receive for improvement? *

Add certificates, offline access, and more beginner examples.

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:

*

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: Students lack a professional platform to showcase skills and projects

Solution: A clean, responsive portfolio website

Features: About, Skills, Projects, Resume, Contact Form

Testing: Shared with classmates and trainer

Impact: Improves personal branding and job opportunities

Step 9: Reflections

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

*

I enjoyed designing the website layout and organizing my skills and projects in a professional way.

Step 9: Reflections

What was my biggest challenge during this project-based learning (PBL) activity?

*

My biggest challenge was selecting the right content and making the design simple yet attractive.

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_20251216_115310_Samsung Internet - Manikanta Yenugu.jpg

Upload Mini Project link *

<https://tech-student-portfolio-8.vercel.app/>

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