



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

1 message

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To: bhanuprakashvinnakotavbhanupra@gmail.com

Mon, 9 Feb 2026 at 11:57 am

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

Here's what was received.

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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 address (bhanuprakashvinnakotavbhanupra@gmail.com) was recorded when you submitted this form.

Your Full Name *

Vinnakota Bhanuprakash

Your Email ID (as per IBM SkillsBuild)

bhanuprakashvinnakotavbhanupra@gmail.com

Your Mobile Number *

College Name *

Acharya Nagarjuna 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?

*

trying to decide which pair of shoes to buy from the online shoe store, considering factors like style, comfort, and purpose (e.g., running, lifestyle, training). The website highlights their unique selling points, such as a single price point (\$155), premium materials, and benefits like free shipping and a 2year warranty.

*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"]

We trying to choose the perfect pair of shoes that fit your style and needs from the online store's collection, with all options priced at \$155.

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"]

The problem of choosing the right shoes is important to solve because you want to find a pair that fits your style, meets your comfort needs, and suits the occasion, all within your budget of \$155. With so many great options like Air Stride Pro for running or Cloud Walker for comfort, making the right choice means you'll be happy with your purchase and get the most value out of it 😊.

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.

*

So, I asked a couple of friends about choosing shoes from this online store, and here's what they said:

"Dude, I'd love the free shipping and 2year warranty! It makes me feel like I'm covered no matter what." - Rohan

"I'm surprised they're offering a single price point for all these different styles. I wonder if they compromise on quality for some styles." - Priya

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*"]

Here are at least 5 different solutions (wild or realistic) for choosing the perfect pair of shoes from the online store:

1. *The Comfort Test*: Order all shoes in your size and try them on at home, returning the ones that don't fit or aren't your vibe 😊.
 2. *Shoe Personality Quiz*: Create a quiz to match your personality with the perfect shoe style (e.g., adventurous = Air Stride Pro, chill = Cloud Walker).
 3. *Shoe Subscription*: Offer a subscription service where you get a new pair every month, and you can keep the ones you love.
 4. *AR Try-On*: Implement Augmented Reality try-on feature to see how shoes look on your feet virtually.
 5. *Style Concierge*: Provide a personalized styling service where experts recommend shoes based on your preferences and needs.
-

Step 4: My favourite solution:

*

A curated collection of premium shoes at one fixed price (\$155 each) with free shipping, easy returns, and a consistent quality experience

Step 5: Why am I choosing this solution?

*

Clear Value Proposition
Wider Variety & Easy Comparison

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_2026-02-09-11-46-14-82_40deb401b9ffe8e1df2f1cc5ba480b12 -
Bhanuprakash Vinnakota.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]

*

user-friendly online shoe store website that allows users to browse, view, and select shoes easily.

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*"]

Frontend Development

UI/UX Design

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

ChatGPT – Used for generating frontend code, product descriptions, and solving development issues quickly.

Claude AI – Helped in structuring clean UI content and improving readability of website text.

Grok AI – Used for brainstorming features, layout ideas, and overall solution logic.

GitHub Copilot – Assisted in real-time code suggestions while building React components.

DALL·E – Used to generate visually appealing shoe images and banner graphics.

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 trainer to get guidance and technical feedback.

What positive feedback did I receive?

*

simple layout and easy navigation

What feedback did I receive for improvement? *

product filters (

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 website for selling shoes cost 900 rupees

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 Statement

Step 9: Reflections

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

*

bringing an idea to life as a working website

Step 9: Reflections

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

*

designing a clean and user-friendly interface while learning new tools at the same time

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_2026-02-09-11-57-03-41_40deb401b9ffe8e1df2f1cc5ba480b12 - Bhanuprakash Vinnakota.jpg

Upload Mini Project link *

<https://online-shoe-store-1.vercel.app/>

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