



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

1 message

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To: mansoormannu793@gmail.com

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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 ([mansoormannu793@gmail.com](mailto:mansoormannu793@gmail.com)) was recorded when you submitted this form.

Your Full Name \*

Sk Mansoor

Your Email ID (as per IBM SkillsBuild)

[mansoormannu793@gmail.com](mailto:mansoormannu793@gmail.com)

Your Mobile Number \*

9989484407

College Name \*

Acharya Nagarjuna University

Qualification(Degree) \*

Btech

Day 1

*Design Thinking Process Step 1 & 2: Empathise & Define*

*Step 1: Understanding  
the Need*

Which problem am I  
trying to solve?

\*

To Buy a GT 650 Bike at around cost 4 lakh 50 thousand rupees

*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"]

The Price of the bike is heavy

---

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"]

Heat issues in the engine

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### 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.

\*

orchids.AI

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## 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"]

- 1) Oil
- 2) Radiator
- 3) Insulation

4) Exhaust

5) Mapping

*Step 4: My favourite  
solution:*

\*

Radiator

*Step 5: Why am I  
choosing this solution?*

\*

My Favourite

## 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\_2026-02-09-11-37-17-98\_40deb401b9ffe8e1df2f1cc5ba480b12 - Shaik Mansoor.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]

★

The royal Enfield continental GT 650 a modern classic with twin cylinder power ,retro cafe racer styling ,and an exhilarating ride experience

---

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 buy a gt 650 bike around cost 4 lakh 50 thousand rupees

---

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

Claude AI

Grok AI

Chatling AI

Meta AI

Gemini AI

---

*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

---

What positive feedback did I  
receive?

\*

Good radiator feedback I recieved

---

What feedback did I receive for improvement? \*

Engine problems solving

---

**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:

\*

To Buy A GT 650 Bike Around 4 lakh 50 thousand 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"]

Orchids.AI

### *Step 9: Reflections*

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

\*

Exhaust

### Step 9: Reflections

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

\*

Engine solving problem

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\_2026-02-09-11-37-17-98\_40deb401b9ffe8e1df2f1cc5ba480b12 - Shaik Mansoor.jpg

Upload Mini Project link \*

<https://gt-650-bike-45-lakh.vercel.app/>

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