

Defining Problem Statements and ongoing training on Al

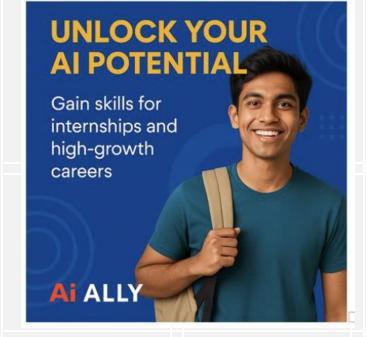
Week 2

10-Aug to 16-Aug

Welcome!

Orientation Session









Reflections of Week 1 Buddy sessions

What Went well

- 1. Whoever participated were actively interacting in the sessions
- 2. Team Reps were proactive generally
- Good updates on the training progress sheet

What can be improved

- Participation is less in Aman's group— Sakshi, Abhishek Vanve
- 2. There are non-responsive trainees-Aman- Sakshi, Abhhishek Vanve, and Lokesh- Richa Rajole
- 3. Participation still not **100**%
- **4. Turn on your camera** or inform why you can't turn it on
- 5. Prompt updates if you are facing any issues, or are stuck with other commitments
- 6. Update your learning progress before next sessions



What you need?

- Access to hands on exercise of topics learnt
 - Try out
 - https://portal.azure.com/#home
 - User ID: <u>userOne@INSDEMO909.onmicrosoft.com</u>
 - Password: Mines@315



From Idea to Problem Statement

Real-world scenarios examples

- "We want to improve customer satisfaction"
- "We want to predict machine breakdowns"



Defining problem Statement -Guidelines

Step

- 1. Problem Context
- 2. Problem Statement (Plain English)
- 3. Evidence/Data
- 4. Desired Outcome
- 5. Constraints & Assumptions
- 6. Al Relevance Check

Guiding Questions

- Who is affected? Why is it important? What's the business or social impact?
- Describe the problem in 1–2 sentences without suggesting a solution.
- What facts, observations, or data exist?
- What will success look like? How will it be measured?
- What limits or factors must be considered?
- Could AI help? If yes, in what way?

Example (Machine Failures)

- Production managers lose output, delays affect delivery.
- Machines in Plant A fail unexpectedly, causing 10% downtime per month.
- Maintenance logs, sensor readings, downtime reports.
- Downtime reduced from 10% to <3% per month.
- Budget, available sensors, skilled technicians.
- Predict failures from sensor data before they happen.

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Your Remarks



Week 2 (10-Aug to 16-Aug)

Microsoft CERTIFIED FUNDAMENTALS

Azure AI Fundamentals

Objective: Foundations of Artifical Intelligence & Machine Learning

#	Objective	Topic	Link URL	Duration
9		Introduction to computer vision concepts	https://learn.microsoft.com/en- us/training/modules/introduction-computer-vision/	30 Mins
10	Computer Vision & Information	Get started with computer vision in Azure	https://learn.microsoft.com/en-us/training/modules/get- started-computer-vision-azure/	45 Mins
11	Extraction Extraction	Introduction to Al-powered information extraction concepts	https://learn.microsoft.com/en- us/training/modules/introduction-information-extraction/	30 Mins
12		Get started with Al-powered information extraction in Azure	https://learn.microsoft.com/en-us/training/modules/ai-information-extraction/	45 Mins



