Session Plan

Introduction to Computer Vision

Learning Objective

- To have a collaborative and interactive flipped classroom session to establish an understanding of the topics of the week through doubts clarification and hands on exercise.

Agenda of the session:

- Gauging learners' understanding on the topics of the week.
- Understanding the concepts clarity of the learners on:
    - What is computer vision, application of computer vision
    - Digital Images and pixels, digitization, noise in images
- Clarifying doubts.
- Case study hands on.
- Extended Doubts clearing, industry perspective and practices.
- Summary of the session's learning.

Structure of the Session:

Duration	Topic	Details
10 min	● **Gauge learner's understanding**	● Ask the learners in the group about the understanding of the week's topics. ● Identify the important concepts majority of the group is facing doubts on.
20 min	● Concepts clarity	● Clarify the concepts on the doubts raised/identified.
60 min	● **Case Study** Hands on	● Use the case study provided to have a hands on session to demonstrate topics covered in the week. Explain the problem statement, attributes and the steps to follow.
25 min	● **Extended Doubts Clearing** and **Industry perspective** discussion	● Use this time to clarify additional doubts. ● Also, explain the industry practices as per your experience.
5 min	● Summarize the session	● Provide a summary of the session