

BCM SCHOOL, CHANDIGARH ROAD, LUDHIANA
(A SENIOR SECONDARY SCHOOL OF BCM FOUNDATION, AFFILIATED TO CBSE, NEW DELHI)
CLASS IX ARTIFICIAL INTELLIGENCE
ASSIGNMENT

1. Define the AI Project Cycle and briefly explain its six stages with suitable examples.
2. Explain the 4Ws Problem Canvas with an example of a real-life problem.
3. Identify any one problem from your community and list the stakeholders involved. Discuss the ethical issues that should be considered while solving this problem using AI.
4. Prepare a mind map of problems related to the theme "Pollution Control" and select one problem as a goal for an AI project. Write a problem statement for it.
5. Suppose you are working on an AI project to predict traffic congestion in your city.
 - What kind of data features will you require?
 - How will you collect and validate this data?
6. Explain the need for Data Visualization in AI.
7. Differentiate between Rule-based Model and Learning-based Model with examples.
8. What is the importance of Evaluation in an AI project?
9. Draw and explain the Communication Cycle. Describe the role of each element in effective communication.
10. List five factors affecting perspectives in communication.