

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

1. What are the different elements of Communication? Explain
2. Explain the advantages and disadvantages of Verbal Communication.
3. Explain the six stages of the AI Project Cycle with an example from daily life where AI can be applied.
4. What are the three domains of Artificial Intelligence? Describe each with one real-life application.
5. Why is there a need for ethical frameworks in the development and usage of AI systems? Explain with examples.
6. What are Bioethics? Describe its four main principles in your own words.
7. Explain Sector Based Frameworks.
8. How do value-based frameworks contribute to ethical decision-making by emphasizing fundamental principles and values?
9. What roles does computer vision play in agricultural monitoring systems?
10. Find and describe a real-world use case where Bioethics had to be considered in an AI application (e.g., AI in medical diagnosis, robotics in surgery, etc.).