

Worksheet

2

Name:

Roll No: Class: Section:

Date:

AI PROJECT CYCLE

Chapter-2

A. Fill in the blanks.

1. is the term used to define the process of selecting a problem which we might want to solve using AI knowledge.
2. canvas thinks about the benefits of the solution to the stakeholders and the society.
3. is data on which we train our AI project model.
4. A is a diagrammatic representation of a set of things working together.
5. refers to any technique that enables computers to mimic or imitate, develop and demonstrate human intelligence.

B. State whether these statements are true or false.

1. Learning based approach refers to the model where the relationship or patterns in the data are not defined by the developer.
2. Machines cannot draw meaningful inferences from large volumes of datasets.
3. Decision trees are tools that follow a rule-based approach that uses a tree-like model of decisions and their possible consequences.
4. Microsoft Excel is a manual data exploration tool provided by Microsoft.
5. Cameras are not used to collect relevant data.

C. Assertion and reasoning based question.

Assertion (A): The training data should be authentic and relevant to the problem statement scoped.

Reason (R): It increases the AI Project efficiency.

1. Both Assertion (A) and Reason (R) are correct and Reason (R) is the correct explanation of Assertion (A).
2. Both Assertion (A) and Reason (R) are correct, but Reason (R) is not the correct explanation of Assertion (A).
3. Assertion (A) is correct, but Reason (R) is not correct.
Assertion (A) is not correct, but Reason (R) is correct.