

Worksheet

2

Name:

Roll No: Class: Section:

Date:

AI APPLICATIONS AND METHODOLOGIES

Unit-2

1. Define the following:
 - a. Object detection
 - b. Data driven AI
 - c. Cognitive computing
2. How is deep learning helping the autonomous car drive on roads?
3. State True or False
 - a. AI-powered robots work with humans to perform a variety of tasks.
 - b. Data Science is a branch of AI that involves extracting information from digital images such as videos and photographs.
 - c. Localization involves determining where the object is in the image and drawing a bounding box around it.
4. "Google uses a convolutional neural network (CNN), a neural network whose architecture is particularly used for image analysis. This means that the neural network only learns from the training data and does not include any knowledge of how the atmosphere works. The patterns are identified from the images that have been fed into the AI model." Name this AI system.
5. "A computer sees images as a 2D or 3D matrix". What do the numbers in the matrix represent? What is the range of these numbers?
6. How is sentiment analysis being used by companies to build a brand's reputation?