

**PM SHRI KENDRIYA VIDYALAYA NFC NAGAR GHATKESAR
SUMMER VACATIONS HOLIDAY PROJECT**

Session: 2026-27

Class: VIII

Artificial Intelligence

Project Title: AI Puzzle Challenge

Students are required to design and create a **crossword puzzle** based on Artificial Intelligence concepts covered in class. The project aims to reinforce learning in an engaging and interactive manner.

Page 1: Crossword Creation

Students must create a crossword puzzle including:

- A minimum of **8–12 AI-related terms**
- A neatly drawn crossword grid on A4 sheet
- Proper numbering for **Across and Down clues**

Suggested Topics (for reference):

Students may include terms such as:

- Artificial Intelligence
- Machine Learning
- Data
- Algorithm
- Computer Vision
- Natural Language Processing
- Chatbot
- Automation
- Smart Devices
- Recommendation System

Clue Writing Guidelines:

For each word included in the crossword:

- Provide a clear and meaningful clue
- Clues should reflect understanding of the concept
- Avoid copying clues directly from textbooks or internet sources
- Examine crosswords from sources like newspapers and the internet to understand their structure and the method for writing clues.

Part B: AI Applications and Domains

Select any three words from your crossword that represent AI applications (for example: Chatbot, Recommendation System, Smart Devices).

For each selected word:

- Identify the correct AI Domain:
 - Computer Vision
 - Natural Language Processing
 - Data Science / Statistics
- Write a brief explanation (1–2 lines)