



INDIAN SCHOOL AL WADI AL KABIR
 Holiday Homework, 2026-27

Class: VIII	SUB: ARTIFICIAL INTELLIGENCE	Date of Completion: 26/07/2026
TOPIC : AI PROJECT LIFE CYCLE		To be written in the NOTE BOOK

AI Holiday Homework – "The AI Explorer's Challenge"

Task 1: The "AI vs. Automation" Scavenger Hunt

AI involves learning, adaptation, and decision-making, while Automation simply follows fixed, programmed rules.

Find 10 examples of technology in your home or daily life. For each, determine if it is Simple Automation or AI-Based and explain why.

Follow the sample format given below to do the Activity

The "AI vs. Automation" Scavenger Hunt

Sl no	Example	Automation?	AI Based?	Explain the reason
1	My toaster	yes	no	because it works for a fixed duration regardless of the bread type; it doesn't 'learn'."
2	YouTube recommendations	no	yes	because they study my past behavior to suggest new videos I might like
3				
4				

Task 2: The Lifecycle "Puzzle" (3 Marks)

The 6 stages of the AI project lifecycle are listed below in the wrong order. Your task is to rearrange them correctly (1 to 6) .

- ❖ (___) Model Evaluation & Refinement: Testing the "student" with new bird pictures.
- ❖ (___) Data Collection & Preparation: Gathering and cleaning the "ingredients" or "textbooks".
- ❖ (___) Monitoring & Maintenance: Checking the "employee" later to see if their skills are still sharp.
- ❖ (___) Define the Problem: Deciding what "subject" the machine needs to learn.
- ❖ (___) Model Deployment: "Graduation Day"—the AI gets a real job, like detecting spam.
- ❖ (___) Model Development & Training: The "teacher" shows the "student" examples so it can learn patterns
