

Class – VIII

Lesson Plan

Subject: Artificial Intelligence

Topic: Computer Network

Brief Description of the lesson:

Computer networking refers to interconnected computing devices that can exchange data and share resources with each other. These networked devices use a system of rules, called communications protocols, to transmit information over physical or wireless technologies.

I - Specific Objectives:

- SP1: **KPI 1-** To make students understand about the Computer Network **(U-Interpreting)**
- SP2: **KPI 2-** To make students understand the need of the computer network. **(U-Interpreting)**
- SP3: To make students understand the different types of network. **(K – Recognizing)**
- SP4: **KPI 3-** To enable students to understand about the different topologies. **(A-Executing)**
- SP5: To make them understand the advantages of computer network.

II - Behavioral Objectives:

- B1: To develop the understanding about the importance of computer network. **(U-Interpreting)**
- B2: To make students to understand the need of computer network in better way. **(U-Interpreting)**
- B3: To make students to understand how to classify the different networks. **(U-Infering)**
- B4: To enable students to differentiate the different topologies. **(An-Attributing)**
- B5: To make students to understand the usage of computer network.

Process / Activities:

Activity (to introduce the lesson):

- ACT1: Explain the Computer Network with PowerPoint Presentation.
- ACT2: **KPI 1-** Explain with devices used in a computer network.
- ACT3: Explain different types of network with the help of models and diagrams.
- ACT4: explain the topologies in real time.
- ACT5: Discuss the advantages in real time.
- ACT6: **KPI 2-** Practical implementation of computer network.

Activity / Assignment (to assess learning):

- A1: Practice sheet related to different types of network (observation) .
- A2: Practice sheet related to different types of topologies (observation).
- A3: Lab visit to find out the types of network in School.
- A4: Assignment to create a PowerPoint Presentation in teams on wired and wireless network.

Expected Learning Outcomes

Student will be able :

1. To make students understand about the Computer Network **(U-Interpreting)**
2. To make students understand the need of the computer network. **(U-Interpreting)**
3. To make students understand the different types of network. **(K – Recognizing)**
4. To enable students to understand about the different topologies. **(A-Executing)**
5. To make them understand the advantages of computer network.

Behavioral Outcomes:

Student will be able :

1. To develop the understanding about the importance of computer network. **(U-Interpreting)**
2. To make students to understand the need of computer network in better way. **(U-Interpreting)**
3. To make students to understand how to classify the different networks. **(U-Infering)**
4. To enable students to differentiate the different topologies. **(An-Attributing)**
5. To make students to understand the usage of computer network.

- **Placement of objective, Instructional Activities and Assessment**

• Topic: Computer Network					
Knowledge	Understanding	Application	Analysis	Synthesis	Evaluation
SP3	SP1	S4	B4		
	SP2	ACT1,ACT2, ACT 3,ACT 4			
		A1			
	SP5	A2			
	B1,B2	A3			
	B3				