<u>**Class – X**</u>

<u>**Lesson Plan**</u>

Subject: Artificial Intelligence
Topic: AI Project Cycle

Brief Description of the lesson:
It is a step-by-step process that a person should follow to develop an AI Project to solve a problem. AI Project Cycle provides us with an appropriate framework which can lead us to achieve our goal.

I - <u>Specific Objectives:</u>

SP1:KPI-1 To make students understand about the project cycle of AI. (Understanding)
SP2:KPI-1 To make students understand about the first stage of AI project cycle i.e, problem scoping. (Understanding)
SP3: To make students understand the concepts of Data Acquisition. (Knowledge)
SP4: KPI-1 To enable students to understand about data Exploration (Understanding)
SP5: KPI-1 To make students understand about Modelling. (Understanding)
SP6: To make students to understand about Evaluation. (Assessment)

II - <u>Behavioral Objectives:</u>

B1: Real life examples to bifurcate any complex problem into easiest way. (Understanding)
B2: To make students to understand the need of financial planning for AI projects. (Understanding)
B3: To make students to understand how to solve the problem based on multiple condition. (Understanding)
B4: To make students to understand establishes the steps to complete a project. (Analysis)
B5: To help the students to creates better defined high-level stages of completion. (Understanding)

Process / Activities:

Activity (to introduce the lesson):
ACT1: Create a PowerPoint for the theme that describes the steps involved in AI project cycle.
ACT2: Group discussion on 'how AI project cycle provides us with an appropriate framework leading us towards the goal.

Activity (to support learning):
ACT3: Create the spreadsheet of absence management and create bar graph based on the same using following data. Total days of classes held: 25

- Student Name
- Days Present
- Days absent

Activity / Assignment (to assess learning):
ACT4: List down the new data visualization techniques in the following format.

- Name of representation
- One line description
- How to draw it.
- Suitable for which type of data
  Make this format in MS-Word for different visualization techniques.

ACT5: Access the performance of class 10 students using train

Expected Learning Outcomes

Student will:

1. Be able to understand the use of AI cycle. (Understanding)
2. Learn about challenges in the way of problem solving. (Understanding)
3. Be able to understand the resource required to solve the problem. (Understanding)
4. Be able to experience the problem scoping .(Assessing)
5. Be able to understand the training and testing data. (Knowledge)

Behavioral Outcomes:
Student will:
- Be able to understand the milestone of AI cycle in day to day life. (Understanding)
- Be able to understand the problem and to get the solution in better way. (Understanding)
- Be able understand how to define the delivery deadline of the solution. (Knowledge)
- Enable to take decision according to situation. (Understanding)

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

Topic: AI					
Knowledge	Understanding	Application	Analysis	Synthesis	Evaluation
SP3	SP1	S4 ,S6	ACT3		SP6
	SP2	ACT1,ACT2			
	SP4				
	SP5				
	S7	ACT4			
	B1,B2				
	B3				