Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson Plan
Session 2025 - 2026
Class: _X_

Subject   : **Artificial Intelligence**
Book   : **Artificial Intelligence by Kips Publication**

Subject Coordinator   **Head of Department**
Name: Vikrant Kapoor   Name:

Sign: VIK   Sign:

Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview
Session: 2025   - 2026

Subject : _____AI_____   **Class :** _X__ **No. of periods** : ___

Month	Assessed in	Lesson/s to be covered	Period Count
April	April	Revisiting AI Project Cycle and Ethical frameworks for AI	
May	May	Advanced Concepts of modelling in AI	
July	July	Employability Skills — Communication Skills –II Employability Skills — Self management Skills -II Employability – ICT Skills - II Employability – Entrepreneurial Skills – II Employability Skills – Green Skills – II	
August	August	Advance Python	
September	September	Evaluating Models	
October	October	Statistical Data Computer Vision Natural Language Processing	
September	September	Advance Python Data Science Computer Vision	
November	November	Revision	
December	December	Revision – Practice Test	
January	January	Revision – Practice Test	
February	Boards	Revision – Practice Test Board Examination	
March	Boards	Board Examination	

Subject coordinator: VIK   HOD:

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Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2025   - 2026

Subject   : _____AI_____   Class : _X__   No. of periods   : ___

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
April	Apr 3, 2025	Apr 30, 2025	Revisiting AI Project Cycle and ethical frameworks for AI	
May	May 1, 2025	May 31, 2025	Advanced Concepts of modelling in AI	
July	July 1, 2025	July 31, 2025	Employability Skills –II	
August	Aug 1, 2025	Aug 31, 2025	Advance Python	
September	Sep 1, 2025	Sep 30, 2025	Evaluating Models	
October	Oct 1, 2025	Oct 31, 2025	Statistical Data Computer Vision Natural Language Processing	
November	Nov 1, 2025	Nov 30, 2025	Revision	
December	Dec 1, 2025	Dec 31, 2025	Revision – Practice Test	
January	Jan 5, 2026	Jan 31, 2026	Revision – Practice Test	
February	Feb 1, 2026	Feb 29, 2026	Revision – Practice Test Board Examination	
March	Mar 1, 2026	Mar 31, 2026	Board Examination	

Subject coordinator: VIK   HOD:

Weekly planning overview
Session: 2025 - 2026

Subject : Subject : _____AI_____ **Class** : _X__ N**o. of periods** : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _1_: __03/04/2025 ___ to__05/04/2025__			**Period Count: ___**
PD1	Introduction to AI		
PD2	Introduction to AI		
WEEK _2_: _7/04/2025_ to__11/04/2025			**Period Count: ___**
PD1	Introduction to AI		
PD2	Introduction to AI		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _3_: _15/04/2025__ to_19/04/2025_			**Period Count: ___**
PD1	Introduction to AI		
PD2	Introduction to AI		
WEEK _4_: __21/04/2025__ to__26/04/2025__			**Period Count: ___**
PD1	Introduction to AI		
PD2	Introduction to AI		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2025   - 2026

Subject   : _____AI_____   **Class** : _X_   **No. of periods**   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5_: _28/04/2025_ to_03/05/2025__		**Period Count: ____**	
PD1	Employability – Communication Skills		
PD2	Employability – Communication Skills		
WEEK _6_: _05/05/2025__ to__10/05/2025__		**Period Count: ____**	
PD1	Employability – ICT Skills		
PD2	Employability – ICT Skills		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7_: __13/05/2025__ to__17/05/2025___		**Period Count: ____**	
PD1	Employability – ICT Skills		
PD2	Employability – Entrepreneurial Skills		
WEEK _8_: __19/05/2025_ to_24/05/2025__		**Period Count: ____**	
PD1	Employability – Entrepreneurial Skills		
PD2	Employability – Entrepreneurial Skills		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2025   - 2026

Subject   : _____AI_____   Class : _X__ No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _9_: __26/05/2025__ to___31/05/2025___			**Period Count: ____**
PD1	Employability – Entrepreneurial Skills		
PD2	Employability – Entrepreneurial Skills		
WEEK _10_: __02/06/2025__ to___07/06/2025__			**Period Count: ____**
PD1	SUMMER BREAK		
PD2	SUMMER BREAK		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)	
WEEK _11_: __09/06/2025__ to___14/06/2025__ Period Count: ____				
PD1	SUMMER BREAK			
PD2	SUMMER BREAK			
WEEK _12_: __16/06/2025__ to__21/06/2025__ Period Count: ____			**Period**	
PD1	SUMMER BREAK			
PD2	SUMMER BREAK			
WEEK _13: __23/06/2025__ to__25/06/2025__			**Period Count: ____**	
PD1	SUMMER BREAK			
PD2	SUMMER BREAK			

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Weekly planning overview
Session: 2025   - 2026

Subject   : ____AI_____   Class : _X__   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _13_: ___26/06/2025__ to__30/06/2025__			**Period Count: ____**
PD1	Employability – Green Skills		
PD2	Employability – Green Skills		
WEEK _14_: _01/07/2025__ to__06/07/2025___			**Period Count: ____**
PD1	Employability – Green Skills		
PD2	Project Cycle		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _15_: __08/07/2025___ to__13/07/2025__			**Period Count: ____**
PD1	Project Cycle		
PD2	Project Cycle		
WEEK _16_: __15/07/2025___ to__20/07/2025__			**Period Count: ____**
PD1	Project Cycle		

PD2	Project Cycle		

Subject coordinator   Supervisor   Principal/V. Principal

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Weekly planning overview
Session: 2025   - 2026

Subject   : __AI_____   **Class** : _X_   **No. of periods**   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _17_: __22/07/2025__ to__27/07/2025__			Period Count: ____
PD1	Project Cycle		
PD2	Project Cycle		
WEEK _18_: __29/07/2025__ to_03/08/2025__			Period Count: ____
PD1	Advance Python		
PD2	Advance Python		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _19_: __05/08/2025__ to__10/08/2025___			Period Count: ____
PD1	Advance Python		
PD2	Advance Python		
WEEK _20_: _12/08/2025__ to__17/08/2025___			Period Count: ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD1	Advance Python		
PD2	HOLIDAY		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2025   - 2026

Subject   **:** ___AI_____   **Class :** _X_   **No. of periods**   **:** ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _21_: _20/08/2025__ to__24/08/2025__			**Period Count: ____**
PD1	Advance Python		
PD2	Advance Python		
WEEK _22_: ___27/08/2025____ to__31/08/25__			**Period Count: ____**
PD1	Advance Python		
PD2	Advance Python		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _23_: __02/09/2025____ to___07/09/2025___			**Period Count: ____**
PD1	Data Science		
PD2	Data Science		

WEEK _24_: ___09/09/2025___ to___14/09/2025___			**Period Count: ___**
PD1	Data Science		
PD2	Data Science		

Subject coordinator   Supervisor   Principal/V. Principal

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Weekly planning overview
Session: 2025   - 2026

Subject   : ____AI_____   Class : _X_   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _25_: _17/09/2025___ to___21/09/2025__			Period Count: ____
PD1	Computer Vision		
PD2	Computer Vision		
WEEK _26_: __23/09/2025__ to__28/09/2025___			Period Count: ____
PD1	Computer Vision		
PD2	Computer Vision		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _27_: __30/09/2025___ to__05/10/2025__			Period Count: ____
PD1	Natural Language Processing		
PD2	Natural Language Processing		
WEEK _28_: __07/10/2025__ to__08/10/2025___			Period Count: ____
PD1	Natural Language Processing		
PD2	Natural Language Processing		

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Weekly planning overview
Session: 2025 - 2026

Subject   : ____AI_____   **Class :** _X_   **No. of periods**   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _29_: __14/10/2025_ to_19/10/2025___			**Period Count: ____**
PD1	Natural Language Processing		
PD2	Evaluation		
WEEK _30_: __21/10/2025__ to___26/10/2025__			**Period Count: ____**
PD1	Evaluation		
PD2	Evaluation		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _31_: __28/10/2025___ to___30/10/2025__			**Period Count: ____**
PD1	Evaluation		
PD2	Revision – Practice Test		
WEEK _32_: __04/11/2025__ to__09/11/2025___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Sir Padampat Singhania Education Centre

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Weekly planning overview
Session: 2025 - 2026

Subject   : ____AI_____   **Class :** ___   **No. of periods**   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _33_ : __11/11/2025___ to__16/11/2025___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
PD3	Revision – Practice Test		
WEEK _34_ : __18/11/2025__ to__23/11/2025__			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _35_ : __25/11/2025___ to___30/12/2025__			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _36_ : __02/12/2025___ to__07/12/2025___			**Period Count: ____**
PD1	Revision – Practice Test		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD2	Revision – Practice Test		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

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Weekly planning overview
Session: 2025   - 2026

Subject   : _____AI_____   Class : _X_   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _37_: __09/12/2025___ to__14/12/2025___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _38_: _16/12/2025__ to__21/12/2025___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _39_: ___23/12/2025__ to___28/12/2025___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _40_: __30/12/2025___ to___04/01/2026_			**Period Count: ____**
PD1	HOLIDAY		

PD2	HOLIDAY		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2025   - 2026

Subject   : ____AI_____   Class : _X_   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _41_: _06/01/2026__ to__11/01/2026___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _42_: __15/01/2026____ to___18/01/2026___			**Period Count: ____**
PD1	HOLIDAY		
PD2	Revision – Practice Test		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _43_: ___20/01/2026___ to__25/01/2026___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _44_: __27/01/2026__ to_01/02/2026__			**Period Count: ____**

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

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Weekly planning overview
Session: 2025   - 2026

Subject   : _____AI_____   Class : _X_   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _45_: __03/02/2026__ to__08/04/2026__			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK _46_: _10/02/2026____ to__15/02/2026___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _47_: __17/02/2026__ to__22/02/2026___			**Period Count: ____**
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

WEEK _48_: __24/02/2026___ to___01/03/2026___			Period Count: ____
PD1	Board Examination		
PD2	Board Examination		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2025   - 2026

Subject   : ____AI_____   Class : _X_   No. of periods   : ___

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _49_: _03/03/2026___ to__08/03/2026__			Period Count: ____
PD1	Board Examination		
PD2	Board Examination		
WEEK _50_: _10/03/2026___ to__15/03/2026__			Period Count: ____
PD1	Board Examination		
PD2	Board Examination		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _51_: __17/03/2026___ to__22/03/2026__			Period Count: ____
PD1	Board Examination		

PD2	Board Examination		
WEEK _52_: __24/03/2026___ to___29/03/2026__			**Period Count: ____**
PD1	HOLIDAY		
PD2	HOLIDAY		

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre,
Kamla Nagar, Kanpur

Book   : Artificial Intelligence   Class : X
Publication : Kips   Session: 2025 - 2026
Lesson   : Natural Language Processing   Subject: AI

Lesson Plan

Ques 1. What do you mean by natural language processing?
Ans. NLP refers to data taken from the natural language spoken by human used by them in daily life and operates on them.

(Ref.: Page 18)

Ques 2. What are the features of automatic summarization?
Ans. 1. Summarizing the meaning of documents and information
2. Understand the emotional meanings within the information
3. Provide an overview of a news item or blog post
4. Avoid redundancy from multiple sources

(Ref.: Page 18)

Ques 3. What do you mean by chatbots?
Ans. A chatbot is a computer program that can learn over time how to best interact with humans. It can answer questions and troubleshoot customer problems, evaluate and qualify prospects, generate sales leads and increase sales on an ecommerce site.

(Ref.: Page 18)

Note: This lesson contains one worksheet.

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Kamla Nagar, Kanpur

Lesson plan implementation report
Session: 2025   - 2026

Term :			**Assessment** :	
From Date :			**To Date** :	
Subject :			**Class** :	
Book :			**No. of periods** :	

Section	Subject Teacher	Lesson/s to be covered according to lesson plan	Status Yes/No	Reason if not completed

Remarks:

Subject coordinator: HOD: