



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2026- 2027
Class: _X_

Subject : Artificial Intelligence
Book : Artificial Intelligence by Orange Publications

Subject Coordinator
Name: Vikrant Kapoor

Sign: VIK

Head of Department
Name:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2026 - 2027

Subject : ____AI____

Class : _X_ No. of periods : __83

Month	Assessed in	Lesson/s to be covered	Period Count
April	April	Introduction to Project Cycle	7
May	May	Data literacy	10
July	July	Employability Skills – Communication Skills -II Employability Skills — Self management Skills -II Employability – ICT Skills - II Employability – Entrepreneurial Skills – II	10
August	August	Evaluating Models	10
September	September	Statistical Data	8
October	October	Computer Vision Natural Language Processing Advance Python	10
November	November	Revision	8
December	December	Revision – Practice Test	8
January	January	Revision – Practice Test	8
February	Boards	Revision – Practice Test Board Examination	4
March	Boards	Board Examination	0

Subject coordinator: VIK

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2026 - 2027

Subject : AI Class : X No. of periods : 85

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
April	Apr 2, 2026	Apr 30, 2026	Revisiting AI Project Cycle and ethical frameworks for AI	07
May	May 1, 2026	May 31, 2026	Advanced Concepts of modelling in AI Communication skills -II	10
July	July 1, 2026	July 31, 2026	Employability Skills –II	10
August	Aug 1, 2026	Aug 31, 2026	Evaluating Models	10
September	Sep 1, 2026	Sep 30, 2026	Evaluating Models Statistical Data Computer Vision	08
October	Oct 1, 2026	Oct 31, 2026	Computer Vision Natural Language Processing Advance Python	10
November	Nov 1, 2026	Nov 30, 2026	Revision	8
December	Dec 1, 2026	Dec 31, 2026	Revision – Practice Test	8
January	Jan 5, 2027	Jan 31, 2027	Revision – Practice Test	8
February	Feb 1, 2027	Feb 29, 2027	Revision – Practice Test Board Examination	4
March	Mar 1, 2027	Mar 31, 2027	Board Examination	0

Subject coordinator: VIK

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : Subject : _____AI_____ Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: <u>02/04/2026</u> to <u>02/04/2026</u>			Period Count: <u>01</u>
PD1	Revisiting AI Project Cycle (Introduction to AI project cycle)	Read and revise the topics taught in class	
Note: Good Friday Holiday			
WEEK 2: <u>06/04/2026</u> to <u>11/04/2026</u>			Period Count: <u>02</u>
PD1	Revisiting AI Project Cycle (Project Cycle contd.)	Read and revise the topics taught in class	
PD2	Revisiting AI Project Cycle (AI issues and concerns)	Read and revise the topics taught in class	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3: <u>13/04/2026</u> to <u>18/04/2026</u>			Period Count: <u>02</u>
PD1	Revisiting AI Project Cycle (Exploring Bioethics)	Read and revise the topics taught in class	
PD2	Revisiting AI Project Cycle (introduction to AI domains)	Read and revise the topics taught in class	
Note: Ambedkar Jayanti			
WEEK 4: <u>20/04/2026</u> to <u>25/04/2026</u>			Period Count: <u>02</u>
PD1	Revisiting AI Project Cycle (Ethical frameworks)	Read and revise the topics taught in class	
PD2	Revisiting AI Project Cycle (Question an answers)	Complete the notebook work	

Subject coordinator

Supervisor

Principal/V. Principal



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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : _____ AI _____

Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5_: _27/04/2026_ to _02/05/2026_		Period Count: __02__	
PD1	Employability – Communication Skills-II (introduction, communication cycle ,barriers to effective communication)	Read and revise the topics taught in class	
PD2	Employability – Communication Skills-II (basic writing skills , question and answers)	Read and revise the topics taught in class and complete the notebook work	
Note: Budh Purnima Holiday			
WEEK _6_: _04/05/2026_ to _09/05/2026_		Period Count: __02__	
PD1	Advanced Concepts of Modelling (revisiting AI,ml,dl)	Read and revise the topics taught in class	
PD2	Advanced Concepts of Modelling ((modelling structures)	Read and revise the topics taught in class	
Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _7_: _11/05/2026_ to _16/05/2026_		Period Count: __02__	
PD1	Advanced Concepts of Modelling (common terminologies used with data)	Read and revise the topics taught in class	
PD2	Advanced Concepts of Modelling (common terminologies contd.)	Read and revise the topics taught in class	
WEEK _8_: _18/05/2026_ to _23/05/2026_		Period Count: __02__	
PD1	Advanced Concepts of Modelling (neural networks)	Read and revise the topics taught in class	
PD2	Advanced Concepts of Modelling (neural networks contd.)	Read and revise the topics taught in class	



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Weekly planning overview

Session: 2026 - 2027

Subject : _____AI_____

Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 9 : 25/05/2026 to 30/05/2026			Period Count: 02
PD1	Advanced Concepts of Modelling (question and answers)	Complete the notebook work	
PD2	Advanced Concepts of Modelling (questions and answers)	Complete the notebook work	
WEEK 10 : 01/06/2026 to 06/06/2026			Period Count: 00
PD1	SUMMER BREAK		
PD2	SUMMER BREAK		

WEEK 11 : 08/06/2026 to 13/06/2026				Period Count:00
PD1	SUMMER BREAK			
PD2	SUMMER BREAK			
WEEK 12 : 15/06/2026 to 20/06/2026				Period Count: 00
PD1	SUMMER BREAK			
PD2	SUMMER BREAK			
WEEK 13: 22/06/2026 to 27/06/2026				Period Count:00

PD1	SUMMER BREAK			
PD2	SUMMER BREAK			

Subject coordinator

Supervisor

Principal/V. Principal



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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : ____AI____

Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 13 : 29/06/2026 to 30/06/2026		Period Count: 02	
PD1	Employability -Self management skills (Introduction)	Read and revise the topics taught in class	
PD2	Employability – Self management Skills (Self awareness , self regulation and time management) + Question and answers	Complete the notebook work	
WEEK 14 : 01/07/2026 to 04/07/2026		Period Count: 02	
PD1	Employability – ICT skills ((introduction, operating system,basic file operations, common terminologies)	Read and revise the topics taught in class	
PD2	Employability – ICT skills (security,privacy and maintenance)+ questions and answers	Complete the notebook work	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 15 : 06/07/2026 to 11/07/2026		Period Count: 02	
PD1	Employability – Entrepreneurial Skills (functions,importance,advantages and disadvantages of entrepreneurship)	Read and revise the topics taught in class	
PD2	Employability – Entrepreneurial Skills (myths nd misconceptions)	Read and revise the topics taught in class	

WEEK _16_ : _13/07/2026_ to _18/07/2026_			Period Count: __02__
PD1	Employability – Entrepreneurial Skills (role, qualities and work done by an entrepreneur)	Read and revise the topics taught in class	
PD2	Employability – Entrepreneurial Skills(questions and answers)	Complete the note book work	

Subject coordinator

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Principal/V. Principal



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Weekly planning overview

Session: 2026 - 2027

Subject : _AI_____

Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _17_ : _20/07/2026_ to _25/07/2026_			Period Count: _2__
PD1	Employability – Entrepreneurial Skills (questions and answers)	Complete the notebook work	
PD2	Employability – Green skills (sustainable development and problems related to it)		
WEEK _18_ : _27/07/2026_ to _01/08/2026_			Period Count: __02__
PD1	Employability – Green skills (green skills)	Read and revise the topics taught in class	
PD2	Employability – Green skills (importance of sustainable development and challenges) + questions and answers	Complete the note book work	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _19_ : _03/08/2026_ to _08/08/2026_			Period Count: 02__
PD1	Evaluating Models (understanding evaluation and evaluation techniques)	Read and revise the topics taught in class	
PD2	Evaluating Models (evaluation techniques for classification)	Read and revise the topics taught in class	

WEEK 20 : 10/08/2026 to 15/08/2026			Period Count: 2
PD1	Evaluating Models (confusion matrix, accuracy from confusion matrix)	Read and revise the topics taught in class	
PD2	Evaluating Models (recall,precision and f1score)	Read and revise the topics taught in class	
Note: Independence Day			

Subject coordinator

Supervisor

Principal/V. Principal



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Subject : AI

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Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 21 : 17/08/2026 to 22/08/2026			Period Count: 2
PD1	Evaluating Models (questions and answers)	Complete the notebook work	
PD2	Evaluating Models (questions and answers contd..)	Complete the notebook work	
WEEK 22 : 24/08/2026 to 29/08/26			Period Count: 2
PD1	Evaluating Models (numericals on confusion matrix)	Complete the notebook work	
PD2	Statistical Data (data science , intro to low code/no code ai approach)	Read and revise the topics taught in class	
Note: Raksha Bandhan Holiday			

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 23 : 30/08/2026 to 05/09/2026			Period Count: 2

PD1	Statistical Data (concepts in statistics)	Read and revise the topics taught in class	
PD2	Statistical Data (orange data mining tools)	Read and revise the topics taught in class	
Note: Janamashtami Holiday			
WEEK _24_ : _07/09/2026_ to _12/09/2026_			Period Count: 2__
PD1	Statistical Data (image feature ,convolution)	Read and revise the topics taught in class	
PD2	Statistical Data (neural network,cnn and layers of cnn)	Read and revise the topics taught in class	

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Session: 2026 - 2027

Subject : __AI__

Class : _X_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _25_ : _14/09/2026_ to _19/09/2026_			Period Count: _2__
PD1	Statistical Data (questions and answers)	Complete the notebook work	
PD2	Computer Vision (no code AI machine, convolution , orange data mining tools)	Read and revise the topics taught in class	
WEEK _26_ : _21/09/2026_ to _26/09/2026_			Period Count: _2__
PD1	Computer Vision (layers of cnn)	Read and revise the topics taught in class	
PD2	Computer Vision(Questions and answers)	Complete the note book work	

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
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WEEK 27 : 28/09/2026 to 03/10/2026			Period Count: 2
PD1	Natural Language Processing(no code NLP tools , sentiment analysis)	Read and revise the topics taught in class	
PD2	Natural Language Processing (NLP:use case)	Read and revise the topics taught in class	
Note: Gandhi Jayanti Holiday			
WEEK 28 : 05/10/2026 to 10/10/2026			Period Count: 2
PD1	Natural Language Processing (stages of nlp, chatbots)	Read and revise the topics taught in class	
PD2	Natural Language Processing (text processing and techniques of nlp)	Read and revise the topics taught in class	

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Session: 2026 - 2027

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Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 29 : 12/10/2026 to 17/10/2026			Period Count: 2
PD1	Natural Language Processing (questions and answers)	Complete the notebook work	
PD2	Advance Python (introduction to basic terminologies)	Revise the topics taught in class	
WEEK 30 : 19/10/2026 to 24/10/2026			Period Count: 2
PD1	Advance Python (normal sequential programming)	Revise the topics taught in class	
PD2	Advance Python (conditional statements)	Revise the topics taught in class	

Note: Dussehra Holiday

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 31 : 26/10/2026 to 31/10/2026		Period Count: 2	
PD1	Advance Python(iterative statements)	Revise the topics taught in class	
PD2	Revision – Practice Test		
WEEK 32 : 02/11/2026 to 07/11/2026		Period Count: 2	
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
Note: Diwali Holidays			

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Session: 2026 - 2027

Subject : AI

Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 33 : 09/11/2026 to 14/11/2027		Period Count: 2	
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
Note: Diwali Holidays			

WEEK _34_ : _16/11/2026_ to _21/11/2027_			Period Count: _2_
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_ : _23/11/2026_ to _28/11/2026_			Period Count: _2_
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
Note: Gurunanak jayanti Holiday			
WEEK _36_ : _30/11/2026_ to _05/12/2026_			Period Count: _2_
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

Subject coordinator

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Weekly planning overview

Session: 2026 - 2027

Subject : AI

Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _37_ : _07/12/2026_ to _12/12/2026_			Period Count: _2_
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		

WEEK 38 : 14/12/2026 to 19/12/2026			Period Count: 2
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 : 21/12/2026 to 26/12/2026			Period Count: 2
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
Note: Christmas Holiday			
WEEK 40 : 28/12/2026 to 02/01/2027			Period Count: 0
PD1	HOLIDAY		
PD2	HOLIDAY		

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Weekly planning overview

Session: 2026 - 2027

Subject : AI

Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 41 : 04/01/2027 to 09/01/2027			Period Count: 2
PD1	Revision – Practice Test		

PD2	Revision – Practice Test		
WEEK 42 : 11/01/2027 to 16/01/2027		Period Count: 2	
PD1	Revision -Practice Test		
PD2	Revision – Practice Test		
Note: Makar Sankranti Holiday			

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 43 : 18/01/2027 to 23/01/2027		Period Count: 2	
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK 44 : 25/01/2027 to 30/01/2027		Period Count: 2	
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
Note: Republic day Holiday			

Subject coordinator

Supervisor

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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : AI

Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
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WEEK 45 : 01/02/2027 to 06/02/2027			Period Count: 2
PD1	Revision – Practice Test		
PD2	Revision – Practice Test		
WEEK 46 : 08/02/2027 to 13/02/2027			Period Count: 2
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 : 15/02/2027 to 20/02/2027			Period Count: 0
PD1	Board Examinations		
PD2	Board Examinations		
WEEK 48 : 22/02/2027 to 27/02/2027			Period Count: 0
PD1	Board Examination		
PD2	Board Examination		

Subject coordinator

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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : AI

Class : X

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
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WEEK _49_: _01/03/2027_ to _06/03/2027_			Period Count: __0__
PD1	Board Examination		
PD2	Board Examination		
WEEK _50_: _08/03/2027_ to _13/03/2027_			Period Count: __0__
PD1	Board Examination		
PD2	Board Examination		

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _51_: _15/03/2027_ to _20/03/2027_			Period Count: __0__
PD1	Board Examination		
PD2	Board Examination		
WEEK _52_: _22/03/2027_ to __30/03/2027_			Period Count: ____0
PD1	Board Examinations		
PD2	Board Examinations		

Subject coordinator

Supervisor

Principal/V. Principal



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson plan implementation report

Session: 2025 - 2026

Term :
From Date :
Subject :
Book :

Assessment :
To Date :
Class :
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: