

I.B. (PG) COLLEGE, PANIPAT
LESSON PLAN
SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (III- Semester)

Name of the Paper:- **Artificial Intelligence** Name of the Teachers (Section Wise) **MOHIT**

WEEK	DATE	TOPICS
1	August (1-3)	Artificial Intelligence : Intelligence, AI Concepts, Various definitions of AI
		Knowledge, Knowledge Pyramid, People and Computers
		What computers can do better than people, what people can do better
SUNDAY - 04.08.2024		
2	August (5-10)	
		07.08.2024 - TEEJ
		Characteristics of AI Problems, Problem Representation in AI Components of AI
SUNDAY - 11.08.2024		
3	August (12-17)	
		15.08.2024 - INDEPENDENCE DAY
		AI Evolution, Application Areas of AI
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		History of AI, The Turing Test The Revised Turing Test
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Revision and Doubt. Expert System: Components of Expert System: Knowledge Base, Inference Engine
SUNDAY - 01.09.2024		

6	September (2-7)	
		User Interface, Features of Expert System,
		Expert System Life Cycle,
		Categories of Expert System, Rule Based vs. Model Based Expert Systems
SUNDAY - 08.09.2024		
7	September (9-14)	
		Advantages/Limitations of Expert System
		Developing an Expert System: Identification,
		Conceptualization, Formalization, Implementation Testing
SUNDAY - 15.09.2024		
8	September (16-21)	
		Using an Expert System,
		Application Areas of Expert System
		Revision and Doubt.
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	
		UNIT I TEST
		AI and Search Process: Brute Force Search
		Depth First/Breadth First Search
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5)	
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
		Heuristic Search: Hill Climbing, Constraint Satisfaction, Mean End Analysis
SUNDAY - 06.10.2024		
11	October 11) (7-	
		Best First Search, A* Algorithm
		AO* Algorithm,
		Revision and Doubt.
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		

12	October (14-19)	
		17.10.2024 - MAHAKISHI VALMIKI JAYANTI/MAHARAJA AJMIRDH JAYANTI
		Beam Search.
		Natural Language Processing: Introduction, Need, Goal,
SUNDAY - 20.10.2024		
13	October (21-26)	
		Fundamental Problems in Natural Language Understanding, How People overcome Natural Language Problems, Speech Recognition:
DIWALI BREAK - 27.10.2024 - 03.11.2024		
14	November (9)	(4-
		Introduction, Advantages and Approaches Revision and Doubt.
		Introduction to Robotics: Parts of a Robot
SUNDAY - 10.11.2024		
15	November (11-16)	
		Controlling a Robot, 15.11.2024 - GURU NANAK DEV JAYANTI
		Intelligent Robots
SUNDAY - 17.11.2024		
16	November (18-22)	
		Mobile Robots Revision and Doubt.
23.11.2024 - Examinations		

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LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) - 2ND

Name of the Paper:- DATA SCIENCE Class: BCA II

Name of the Teachers (Section Wise) : Dr. Neetu Manocha (SEC- A (4-6) , B (1-3))

WEEK	DATE	TOPICS
1	August (1-3)	DISPLAY OF TIME TABLE
SUNDAY - 04.08.2024		
2	August (5-10)	Introduction to DATA SCIENCE
		IMPORTANCE OF DATA SCIENCE
		07.08.2024 - TEEJ
SUNDAY - 11.08.2024		
3	August (12-17)	APPLICATIONS OF DATA SCIENCE
		OVERVIEW OF EXCEL - INTERFACE
		BASIC FUNCTIONS OF EXCEL
		15.08.2024 - INDEPENDENCE DAY
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		FEATURES OF EXCEL
		DATA TYPES AND FORMATS IN EXCEL
		CONTD..
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		BASIC DATA MANIPULATIONS
		SORTING AND FILTERING
		DATA CLEANING TECHNIQUES
SUNDAY - 01.09.2024		

6	September	(2-7)	DATA IMPORT AND EXPORT FILES
			CSV AND TEXT FILES
			DATA TRANSFORMATIONS
SUNDAY - 08.09.2024			
7	September	(9-14)	TEXT TO COLUMNS
			CONCATENATION AND DATA VALIDATION
			ASSIGNMENT 1
SUNDAY - 15.09.2024			
8	September	(16-21)	DATA VISUALIZATION
			CREATING AND CUSTOMIZE CHART
			CONTD..
SUNDAY - 22.09.2024			
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September	(24-28)	DESCRIPTIVE STATISTIC
			MEAN. MEDIAN MODE
			STANDARD DEVIATION AND VARIANCE
SUNDAY - 29.09.2024			
10	September (30) October (1, 4-5))		INFERENTIAL STATISTICS
			HYPOTHESIS TESTING
			02.10.2024 - MAHATMA GANDHI JAYANTI
			03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
SUNDAY - 06.10.2024			

11	October	(7-11)	CHI SQUARE TEST
			REGRESSION ANALYSIS
			PREDICTIVE MODELING
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October	(14-19)	CONTD..
			CONDITIONAL TEST
			ADVANCED EXCEL FUNCTIONS
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
SUNDAY - 20.10.2024			
13	October	(21-26)	V LOOKUP, HLOOKUP
			INDEX MATCH AND PIVOT TABLES
			CONTD..
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November	(4-9)	DESCRIPTIVE STATISTIC
			HISTOGRAM, REGRESSION, CORRELATION
			WHAT IF ANALYSIS
SUNDAY - 10.11.2024			
15	November	(11-16)	GOEL SEEK, SCENARIOS MANAGER, DATA TABLES
			ASSIGNMENT 2
			DATA ANALYSIS TOOL PAK
			15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024			
16	November	(18-22)	QUERY ON PROBLEMS
			QUERY ON PROBLEMS
			QUERY ON PROBLEMS
23.11.2024 - Examinations			

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UG (1st / III / V - Semester)

Name of the Paper:- JAVA OOP Foundations Class: BCA 3rd Sem Section A&B

Name of the Teachers (Section Wise) : Vinay Bharti

WEEK	DATE	TOPICS
1	August (1-3)	Object Oriented Programming and Java Fundamentals: Structure of Java programs,
SUNDAY - 04.08.2024		
2	August (5-10)	Classes and Objects, Data types,
		07.08.2024 - TEEJ
		Type Casting, Looping Constructs.
SUNDAY - 11.08.2024		
3	August (12-17)	Programming Examples
		15.08.2024 - INDEPENDENCE DAY
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Interfaces: Interface basics; Defining, implementing, and extending interfaces;
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Implementing multiple inheritance using interfaces
		Programming Examples
SUNDAY - 01.09.2024		

6	September (2-7)	Packages: Basics of packages, Creating and accessing packages, System packages, Creating user-defined packages
SUNDAY - 08.09.2024		
7	September (9-14)	Programming Examples
		Revision of Unit - 1
SUNDAY - 15.09.2024		
8	September (16-21)	Exception handling using the main keywords of exception handling: try, catch, throw, throws, and finally;
		Conditional Test of Unit Test 1 & 2
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	Nested try, multiple catch statements, creating user-defined exceptions.
		Programming Examples
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5))	File Handling Byte Stream, Character Stream, File I/O Basics, File Operations
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
SUNDAY - 06.10.2024		

11	October (7-11)	Programming Examples
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		
12	October (14-19)	Revision of Unit - 2
		17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
SUNDAY - 20.10.2024		
13	October (21-26)	AWT and Event Handling: The AWT class hierarchy, Events, Event sources, Event classes, Event Listeners,
DIWALI BREAK - 27.10.2024 - 03.11.2024		
14	November (4-9)	sources and Listeners, Delegation event model, Creating GUI applications using AWT.
SUNDAY - 10.11.2024		
15	November (11-16)	Programming Examples
		15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024		
16	November (18-22)	Revision
		Revision
		Revision
		Revision
23.11.2024 - Examinations		

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UG (III- Semester)

Name of the Paper:- Web Designing Fundamentals Name of the Teachers (Section W MOHIT)

WEEK	DATE	TOPICS
1	August (1-3)	
SUNDAY - 04.08.2024		
2	August (5-10)	Introduction to Internet and World Wide Web
		Evolution and History of World Wide Web
		07.08.2024 - TEEJ
SUNDAY - 11.08.2024		
3	August (12-17)	Basic Features; Web Browsers
		Basic Features;Web Servers;
		Revision and Doubt.
		15.08.2024 - INDEPENDENCE DAY
SUNDAY - 18.08.2024		
		19.08.2024 - RAKSHABANDHAN
4	August (19-24)	URLs; Searching
		URLs; Searching
		Revision and Doubt.
SUNDAY - 25.08.2024		
		26.08.2024 - JANAMASHTMI
5	August (26-31)	Steps for Developing Website
		Choosing the Contents; Home Page
		Choosing the Contents; Home Page
SUNDAY - 01.09.2024		

6	September (2-7)	Domain Names
		Internet Service Provider
		Internet Service Provider
SUNDAY - 08.09.2024		
7	September (9-14)	Planning and Designing Web Site
		Creating a Website
		Creating a Website
SUNDAY - 15.09.2024		
8	September (16-21)	Web Publishing>>>>Assignment
		Hosting Site, Introduction to HTML
		Revision and Doubt.
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	Hypertext Transfer Protocol
		UNIT- TEST
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5)	Web- Casting Techniques
		Hypertext and HTML;
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
SUNDAY - 06.10.2024		
11	October (7-11)	HTML Document Features
		HTML Tags;
		Header, Title
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		

12	October (14-19)	Body, Paragraph,
		Ordered/Unordered Line
		Creating Links;Headers
		17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
SUNDAY - 20.10.2024		
13	October (21-26)	Text Styles; Text Colors, Background
		Formatting Text,Page layouts, Insertion of Text,
		Movement of Text>>>Assignment
DIWALI BREAK - 27.10.2024 - 03.11.2024		
14	November (4-9)	Images: Types of Images,Insertion of Image, Movement of Image
		Ordered and Unordered lists, Inserting Graphics,
		Table Handling Functions like Columns,Rows
SUNDAY - 10.11.2024		
15	November (11-16)	Width, Colours, Frame Creation and Layouts,
		Working with Forms and Menus
		Working with Buttons like Radio, Check Box
		15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024		
16	November (18-22)	Revision and Doubt.
		Revision and Doubt.
		Revision and Doubt.
23.11.2024 - Examinations		