

# TIKA RAM GIRLS COLLEGE SONEPAT

## Lesson Plan Format

NAME OF ASSISTANT/ASSOCIATE PROFESSOR ..... Ms. Pooja Dahiya .....

CLASS AND SECTION ..... BCA Ist ..... J.M.Sc Ist .....

SUBJECT ..... Data Structure using C .....

WEEK	DESCRIPTION
WEEK 1	
5-1-26	Intro. classification & operation Data Structure Algorithms
6-1-26	
7-1-26	
8-1-26	
9-1-26	
10-1-26	
WEEK 2	
12-1-26	Complexity Time-Space Tradeoff n
13-1-26	
14-1-26	
15-1-26	
16-1-26	
17-1-26	
WEEK 3	
19-1-26	Arrays: Definition & classification Linear Array in Memory Traversing, Inserting, Deletion
20-1-26	
21-1-26	
22-1-26	
24-1-26	
WEEK 4	
27-1-26	searching, sorting, merging Linear search, Binary search, Comparison of methods
28-1-26	
29-1-26	
30-1-26	
31-1-26	
WEEK 5	
2-2-26	Sorting: Bubble, Selection, insertion Two dimensional Arrays n
3-2-26	
4-2-26	
5-2-26	
6-2-26	
7-2-26	
WEEK 6	

9-2-26	Matrices, sparse Matrices, Multi-D-Arrays
10-2-26	Revision of unit Test
11-2-26	Test
13-2-26	↕
14-2-26	↕
<b>WEEK 7</b>	
16-2-26	Link list: Types, Traversing, Inserting, Deleting
17-2-26	Single & Double Link list
18-2-26	Circular Linklist, Application & Polynomials.
19-2-26	↕
20-2-26	↕
21-2-26	↕
<b>WEEK 8</b>	
23-2-26	Hashing & Collision: Types
24-2-26	Resolution with open Addressing & Chaining.
25-2-26	Test
26-2-26	↕
27-2-26	↕
28-2-26	↕
<b>WEEK 9</b>	
9-3-26	Stack: operations: Expression: Infix
10-3-26	Postfix, Prefix
11-3-26	Evaluation of Expression
12-3-26	↕
13-3-26	↕
14-3-26	↕
<b>WEEK 10</b>	
16-3-26	Recursion: Notation, Application, Factorial
17-3-26	Queues: Types operations
18-3-26	Circular Queue, Double-Ended, Priority Queue
19-3-26	↕
20-3-26	↕
21-3-26	↕
<b>WEEK 11</b>	

24-3-26	Circular Queues, Application
25-3-26	↕
27-3-26	↕
28-3-26	↕
<b>WEEK 12</b>	
30-3-26	Test
31-3-26	Graphs: Definition, Terminology, Traversal
1-4-26	↕
2-4-26	↕
3-4-26	↕

4-4-26		↑		↓
<b>WEEK 13</b>				
6-4-26	Trees: Definition, Terminology Binary Tree			
7-4-26	Traversal, BST, Inserting, Deletion, Searching			
8-4-26		↑		↓
9-4-26		↑		↓
10-4-26		↑		↓
11-4-26		↑		↓
<b>WEEK 14</b>				
13-4-26	AVL Tree: Height Balanced Tree			
15-4-26		↑		↓
16-4-26		↑		↓
17-4-26		↑		↓
18-4-26		↑		↓
<b>WEEK 15</b>				
20-4-26	Insertion & Deletion in AVL Tree			
21-4-26		↑		↓
22-4-26	Revision.			
23-4-26		↑		↓
24-4-26		↑		↓
25-4-26		↑		↓
<b>WEEK 16</b>				
27-4-26	Test			
28-4-26	Revision			
29-4-26		↑		↓
30-4-26		↑		↓
1-5-26		↑		↓
2-5-26		↑		↓
<b>WEEK 17</b>				
4-5-26	Revision			
5-5-26		↑		↓
6-5-26		↑		↓

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## Lesson Plan Format

NAME OF ASSISTANT/ASSOCIATE PROFESSOR ..... Reena  
 CLASS AND SECTION ..... B.A. / M.Sc I<sup>st</sup> year  
 SUBJECT ..... operating System

WEEK 1	DESCRIPTION
5-1-26	Introduction of operating System operating System as Resource Manager History of operating System.
6-1-26	
7-1-26	
8-1-26	
9-1-26	
10-1-26	
<b>WEEK 2</b>	
12-1-26	Types of operating System Types of operating System operating System Concepts
13-1-26	
14-1-26	
15-1-26	
16-1-26	
17-1-26	
<b>WEEK 3</b>	
19-1-26	operating System Components operating System Services operating System Structure
20-1-26	
21-1-26	
22-1-26	
24-1-26	
<b>WEEK 4</b>	
27-1-26	Process management Process management
28-1-26	
29-1-26	
30-1-26	
31-1-26	
<b>WEEK 5</b>	
2-2-26	Synchronisation Semaphores
3-2-26	
4-2-26	
5-2-26	
6-2-26	
7-2-26	
<b>WEEK 6</b>	

9-2-26	Scheduling
10-2-26	Scheduling Algorithms
11-2-26	Scheduling Algorithms
13-2-26	
14-2-26	
<b>WEEK 7</b>	
16-2-26	Deadlocks
17-2-26	Deadlocks handling
18-2-26	Deadlocks prevention & avoidance
19-2-26	
20-2-26	
21-2-26	
<b>WEEK 8</b>	
23-2-26	Memory management
24-2-26	Memory management algorithm
25-2-26	Algorithms
26-2-26	
27-2-26	
28-2-26	
<b>WEEK 9</b>	
9-3-26	Page replacement Algorithms
10-3-26	"
11-3-26	Segmentation
12-3-26	
13-3-26	
14-3-26	
<b>WEEK 10</b>	
16-3-26	File Systems
17-3-26	File Systems: File Structure
18-3-26	File Operation
19-3-26	
20-3-26	
21-3-26	
<b>WEEK 11</b>	

24-3-26	File System mounting and sharing
25-3-26	Protection
27-3-26	
28-3-26	
<b>WEEK 12</b>	
30-3-26	Access Control
31-3-26	File System Implementation
1-4-26	"
2-4-26	
3-4-26	

4-4-26	
<b>WEEK 13</b>	
6-4-26	Input / output management Direct memory Access Interrupts
7-4-26	
8-4-26	
9-4-26	
10-4-26	
11-4-26	
<b>WEEK 14</b>	
13-4-26	DMA based I/O Device driver "
15-4-26	
16-4-26	
17-4-26	
18-4-26	
<b>WEEK 15</b>	
20-4-26	Disk management Disk management Algorithm Algorithm
21-4-26	
22-4-26	
23-4-26	
24-4-26	
25-4-26	
<b>WEEK 16</b>	
27-4-26	Error handling and formatting " Unix / Linux operating System
28-4-26	
29-4-26	
30-4-26	
1-5-26	
2-5-26	
<b>WEEK 17</b>	
4-5-26	Unix / Linux
5-5-26	Lab
6-5-26	Lab

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## Lesson Plan Format

NAME OF ASSISTANT/ASSOCIATE PROFESSOR ..... SOMIA .....

CLASS AND SECTION ..... M.Sc IT (COMPUTER SCIENCE) .....

SUBJECT ..... MULTIMEDIA AND ANIMATION .....

WEEK 1	DESCRIPTION
5-1-26	INTRODUCTION TO MULTIMEDIA
6-1-26	"
7-1-26	"
8-1-26	MULTIMEDIA AND HYPERMEDIA
9-1-26	"
10-1-26	"
<b>WEEK 2</b>	
12-1-26	COMPONENTS OF MULTIMEDIA - TEXTUAL
13-1-26	"
14-1-26	"
15-1-26	LINEAR AND NON LINEAR MULTIMEDIA
16-1-26	"
17-1-26	"
<b>WEEK 3</b>	
19-1-26	APPLICATION OF MULTIMEDIA
20-1-26	"
21-1-26	REQUIREMENTS OF MULTIMEDIA SYSTEM
22-1-26	"
24-1-26	"
<b>WEEK 4</b>	
27-1-26	FONT'S AND HYPERTEXT
28-1-26	"
29-1-26	"
30-1-26	"
31-1-26	DIGITAL FONT'S TECHNIQUES
<b>WEEK 5</b>	
2-2-26	IMAGE FUNDAMENTALS
3-2-26	"
4-2-26	"
5-2-26	"
6-2-26	"
7-2-26	"
<b>WEEK 6</b>	

9-2-26	GIF, JPEG, SVG, 2000, PNG
10-2-26	"
11-2-26	"
13-2-26	"
14-2-26	"
<b>WEEK 7</b>	
16-2-26	TIFF, EXIF, PS, PDF
17-2-26	"
18-2-26	"
19-2-26	"
20-2-26	BASIC IMAGE PROCESSING
21-2-26	"
<b>WEEK 8</b>	
23-2-26	USE OF IMAGE EDITING SOFTWARE
24-2-26	"
25-2-26	"
26-2-26	PHOTO RETOUCHING, IMAGE RESOLUTION
27-2-26	"
28-2-26	"
<b>WEEK 9</b>	
9-3-26	RASTER AND VECTOR GRAPHICS
10-3-26	"
11-3-26	"
12-3-26	AUDIO FUNDAMENTALS
13-3-26	"
14-3-26	"
<b>WEEK 10</b>	
16-3-26	AUDIO QUALITY, FORMATS AND DEVICES
17-3-26	"
18-3-26	"
19-3-26	DIGITIZATION OF SOUND.
20-3-26	"
21-3-26	"
<b>WEEK 11</b>	

24-3-26	MUSICAL INSTRUMENTS DIGITAL INTERFACE (MIDI)
25-3-26	"
27-3-26	"
28-3-26	"
<b>WEEK 12</b>	
30-3-26	COMPRESSION AND TRANSMISSION OF AUDIO ON INTERNET
31-3-26	"
1-4-26	"
2-4-26	AUDIO SOFTWARE, EDITING SOUND
3-4-26	"

4-4-26	"
<b>WEEK 13</b>	
6-4-26	VIDEO FUNDAMENTAL • VIDEO BASICS, FORMATS,
7-4-26	"
8-4-26	"
9-4-26	TYPES OF VIDEO SIGNALS
10-4-26	"
11-4-26	"
<b>WEEK 14</b>	
13-4-26	VIDEO SOFTWARE, VIDEO RECORDING
15-4-26	"
16-4-26	"
17-4-26	FILE FORMATS (IPEGI, MPEG)
18-4-26	"
<b>WEEK 15</b>	
20-4-26	ANIMATION, PRINCIPLES, TYPES AND USES
21-4-26	"
22-4-26	METHODS AND TECHNIQUES OF ANIMATION
23-4-26	"
24-4-26	TEXT AND IMAGE ANIMATION
25-4-26	"
<b>WEEK 16</b>	
27-4-26	ANIMATION SOFTWARE
28-4-26	"
29-4-26	ANIMATION FILE FORMATS, KEYFRAME ANIMATION
30-4-26	"
1-5-26	"
2-5-26	"
<b>WEEK 17</b>	
4-5-26	DEVELOPING SIMPLE 2D ANIMATIONS
5-5-26	"
6-5-26	"