

**SAMANTA CHANDRASEKHAR INSTITUTE  
OF TECHNOLOGY & MANAGEMENT**  
SEMILIGUDA-764 036, KORAPUT

DEPT. OF... CSE (odd sem.)

Sep-'22 to Jan-'23<sup>m</sup>

**LESSON PLAN AND PROGRESS REGISTER**

(To be maintained by all members of the teaching staff)

SESSION... 2022-23

NAME KHALEDA SULTANA  
DESIGNATION ASST. PROF.  
DEPT. CSE

SIGNATURE





### LESSON PLAN

Degree/Diploma/+2 Sci  
(Theory/Pract/Lab/Worksh)

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### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 2<sup>nd</sup>

Branch CSE

Semester 3<sup>rd</sup>

Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required	Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
15/9/20	1.0 Introduction	Explain Data, Information, datatypes	01	5/9/20	1.0 Intro	21	Explain about Data and Information with example and C datatypes with code		h 2
16/9		Define Data Structure & Explain Differential Operations	01	10/9	Introduction	22	Explain about Data Structure and its types with examples and explain diff. operations		
19/9		Explain Abstract Datatypes Discuss Algorithms	01	19/9		22	About Abstract Datatypes About Algorithms		
20/9		Explain Time, Space Tradeoff	01	20/9		20	About Time Complexity Best, worst, Avg and space complexity		
28/9	2.0 STRING	Explain Basic Terminology, String, Strings	01	21/9	2.0 STRING	15	About String with Example		
27/9	PROCESSING	State Character Data Types	01	22/9	PROCESSING	17	Discuss with String		
23/9		Discuss String Operations	01	23/9		17	strlen(), strcmp(), strcpy(), strlen(), strstr() with examples		
24/9	3.0 Arrays	Give Introduction about Array	01	24/9	3.0 Arrays	20	Compare with variables and array with examples		
26/9		Discuss Linear arrays, in Representation of linear array memory	01	26/9		19	About 1D array with programming?		
27/9		Explain traversing linear arrays	01	27/9		13	Traversing in 1D array		
28/9		Inserting & Deleting Elements	01	28/9		16	Inserting method and deleting method in array		
29/9		Discuss multidimensional arrays	01	29/9		20	About 2D Array with examples		
30/9		Representation of two dimensional arrays in memory	01	30/9		17	Representation of 2D with Programming?		
10/10		Row major order and column major order	01	10/10		16	RMO & CMO with examples		
11/10		Pointers	01	11/10		15	About Pointers and examples		

### LESSON PLAN

Degree/Diploma/+2 Science  
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Semester 3rd Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
11/10		Explain Sparse Matrices	01
12/10	4.0 STACK	Give fundamental idea about stacks	01
13/10	& Queues	Explain array representation of stack	01
14/10		Explain arithmetic expressions Polish Notation	01
15/10		Infix Notation Prefix Notation/Postfix Notation	01
17/10		Conversion	01
18/10		Application of stack Recursion	01
19/10		Discuss Queue	01
20/10		Circular Queue	01
21/10		Priority Queue	01
22/10	5.0 linked list	Give Introduction about linked list	01
26/10		Explain Representation of linked list in memory.	01
27/10		Discuss traversing a linked list	01
28/10		Searching	01
29/10		Discuss Garbage Collection	01

### PROGRESS

Degree/Diploma/+2 Science  
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Semester 3rd Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
11/10		15	Sparse Matrixe with programming		
12/10	4.0 STACK	19	About Stack Explain with examples		
13/10	& Queues	17	Array Representation of stack		
14/10		13	Arithmetic Expression Polish Notation		
15/10		17	Infix Notation, Prefix Notation, Postfix Notation		
17/10		15	Infix to Prefix Prefix to Postfix		
18/10		19	Application of stack Recursion		
19/10		16	About Linear Queue Representation		
20/10		15	Circular Queue Representation		
21/10		14	Priority Queue Representation		
22/10	5.0 Linked List	18	About Linked List Examples		
26/10		15	Representation of Linked List		
27/10		19	Traversing a linked list		
28/10		22	Searching and Examples		
29/10		18	Discuss Garbage Collection		

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Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
31/10		Explain insertion into a linked list	01
1/11		deletion from a linked list	01
2/11		Header linked list	01
3/11	6.0 Tree	Explain Basic Terminology of Tree	01
4/11		Discuss Binary Tree	01
5/11		Representation of Binary Tree	01
7/11		Traversal of Binary Tree	01
9/11		Binary Search Tree	01
10/11		Searching	01
11/11		Explain insertion a binary search tree	01
12/11		Explain deletion a binary search tree	01
14/11	7.0 Graphs	Explain Graph Terminology	01
15/11		Its Representation	01
17/11		Explain Adjacency Matrix	01
18/11		Path Matrix	01

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Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
31/10		15	Insertion into a linked list		
1/11		14	deletion from a linked list		
2/11		18	Header linked list		
3/11	6.0 Tree	18	Basic Terminology of Tree		
4/11		18	Binary Tree		
5/11		12	Representation of Binary Tree		
7/11		13	Traversal of Binary Tree		
9/11		14	Binary Search Tree etc.		
10/11		15	Searching		
11/11		15	Insertion a binary Search tree etc.		
12/11		16	deletion a binary Search tree etc.		
14/11	7.0 Graphs	19	Explain Graph Terminology		
15/11		15	Its Representation		
17/11		16	Explain Adjacency Matrix		
18/11		17	Path Matrix		

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Degree/Diploma/+2 Science  
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Semester 3rd Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
19/11	8.0 Sorting	Discuss Algorithm for Bubble Sort	01
21/11	Searching &	Quick Sort Algorithm	01
22/11	Merging	Merging	01
23/11		Linear Searching	01
24/11		Binary Searching	01
25/11	9.0 File	Discuss different types of files Organization	01

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Semester 3rd Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
19/11	8.0 Sorting	18	Discuss Algorithm for Bubble Sort, example		
21/11	Searching &	17	Algorithm Quick Sort and examples		
22/11	Merging	13	Merging, examples		
23/11		17	Linear Searching algorithms and example		
24/11		10	Binary Searching Algorithm & Example		
25/11	9.0 File	22	Different types of files organization		