

COLLEGE OF ENGINEERING CHENGANNUR

(Managed by IHRD, A Govt of Kerala Undertaking)
Chengannur, Alappuzha Dist. PIN: 689121



20MCA135 DATA STRUCTURES LAB

LAB RECORD

DEPARTMENT OF COMPUTER ENGINEERING

COLLEGE OF ENGINEERING CHENGANNUR

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20MCA135 DATA STRUCTURES LAB

Name:

Branch:

Semester: Roll No.:

CERTIFIED BONAFIDE RECORD WORK DONE BY

Reg. No.:

STAFF IN CHARGE

External Examiner

Internal Examiner

SL. No.	Name of the Program	Date	Page No.	Teacher's Sign/ Remarks
1	FAMILIARIZE GCC	03/10/2024	1	
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4.1	SIMPLE ARRAY OPERATIONS - SUM OF ELEMENTS IN AN ARRAY	03/10/2024	5	
4.2	SIMPLE ARRAY OPERATIONS - LINEAR SEARCH	03/10/2024	7	
5.1	SORTING ALGORITHMS – MERGE TWO SORTED ARRAYS	17/10/2024	9	
5.2	SORTING ALGORITHMS – BUBBLE SORT	17/10/2024	12	
6	STACK IMPLEMENTATION USING ARRAY	17/10/2024	14	
7	CIRCULAR QUEUE USING ARRAY	24/10/2024	17	
8	SINGLY LINKED LIST	24/10/2024	20	
9.1	SINGLY LINKED STACK	01/11/2024	29	
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10	DOUBLY LINKED LIST	08/11/2024	40	
11	IMPLEMENTATION OF SET OPERATIONS	21/11/2024	47	
12	DISJOINT SET OPERATIONS	21/11/2024	52	
13	BREADTH-FIRST SEARCH (BFS)	28/11/2024	54	
14	DEPTH-FIRST SEARCH (DFS)	28/11/2024	56	
15	TOPOLOGICAL SORT	05/12/2024	58	
16	KRUSKAL'S ALGORITHM	12/12/2024	60	
17	PRIM'S ALGORITHM	12/12/2024	63	