

### Algorithm Lab [ICT-2263]- Fourth Semester B. Tech. (IT/CCE)

S.N	Programs [Lab Manual]	Lab Exercise Questions [Topics]	Lab Week
1	Lab-1	SEARCHING AND SORTING-I	1
2	Additional (Newly added)	SEARCHING AND SORTING-II	
3	Lab-2	GRAPHS – I	
4	Lab-3	GRAPHS-II	
5	Lab-4	GREEDY - I	2
6	Lab-5	GREEDY - II	
7	Lab-6	DIVIDE AND CONQUER – I	3
8	Lab-7	DIVIDE AND CONQUER – II	
9	Lab-8	DYNAMIC PROGRAMMING	4
10	Lab-9+ Lab-10	BACKTRACKING+ BRANCH AND BOUND	5

## **Internal & External Evaluations Schedule**

### **Internal Evaluation**

<b>Evaluation</b>	<b>Syllabus</b>	<b>Date</b>
<b>Evaluation-1</b>	<b>Lab-1, Additional, Lab-2, Lab-3</b>	<b>10<sup>th</sup> May</b>
<b>Evaluation-2</b>	<b>Lab-4, Lab-5</b>	<b>24<sup>th</sup> May</b>
<b>Evaluation-3</b>	<b>Lab-6, Lab-7</b>	<b>31<sup>st</sup> May</b>
<b>Evaluation-4</b>	<b>Lab-8</b>	<b>07<sup>th</sup> June</b>

### **External Evaluation**

<b>Evaluation</b>	<b>Syllabus</b>	<b>Date</b>
<b>Evaluation-5</b>	<b>Lab-1 to Lab-8</b>	<b>14<sup>th</sup> June or End Lab</b>

## **EVALUATION PATTERN**

- **Internal Evaluation-80 Marks**

- Record (Soft copy)-2 Marks
- Quiz (10/20 MCQs Only) -13 Marks
- 1-Scenario Based Question (Pseudocode/ Algorithm)-5 Marks

- **External Evaluation-20 Marks**

- Quiz (15/30 MCQs Only) -15 Marks
- 1-Scenario Based Question (Mainly Complexity Analysis)-5