**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**COIMBATORE - 641008**

**(AN AUTONOMOUS INSTITUTION,**

**AFFILIATED TO ANNA UNIVERSITY, CHENNAI)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**20CS202 - DATA STRUCTURES LABORATORY**

**RECORD NOTE**

Submitted by

**Name ` : SUGAVANESH M**

**Register No. : 20EUCS147**

**Degree & Branch : B.E - Computer Science and Engineering**

**Class : I CSE C**

**SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**COIMBATORE – 641008**

**(AN AUTONOMOUS INSTITUTION,**

**AFFILIATED TO ANNA UNIVERSITY, CHENNAI)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**20CS202- DATA STRUCTURES LABORATORY**

**Practical record submitted by**

**Name : SUGAVANESH M Register No. : 20EUCS147**

**Class : I CSE C Degree & Branch : B.E - CSE**

**BONAFIDE CERTIFICATE**

**This is to certify that this is a bonafide record of work done by**

**Mr./~~Ms~~. SUGAVANESH M (Register No.:20EUCS147)**

**during the academic year 2020 – 2021.**

**Faculty In-charge**

**Submitted for the University practical examination held on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**INTERNAL EXAMINER EXTERNAL EXAMINER**

**INDEX**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EXP.NO** | **DATE** | **EXPERIMENT NAME** | **MARKS** | **PAGE NO:** |
| 1 | 09/04/2021 | Branching and Iterative Constructs |  | 1 |
| 2 | 16/04/2021 | Functions |  | 12 |
| 3 | 23/04/2021 | Arrays and Strings |  | 21 |
| 4 | 30/04/2021 | Structures and Pointers |  | 35 |
| 5 | 07/05/2021 | Files |  | 45 |
| 6 | 21/05/2021 | Singly, Doubly and Circular Linked list |  | 50 |
| 7 | 28/05/2021 | Stack using Array |  | 74 |
| 8 | 28/05/2021 | Stack using Linked list |  | 78 |
| 9 | 04/06/2021 | Stack Applications |  | 82 |
| 10 | 04/06/2021 | Queue using Array |  | 89 |
| 11 | 04/06/2021 | Queue using linked list |  | 93 |
| 12 | 18/06/2021 | Priority Queue |  | 97 |
| 13 | 18/06/2021 | Queue Applications |  | 105 |
| 14 | 25/06/2021 | Binary Search Tree |  | 108 |
| 15 | 02/07/2021 | Hashing Techniques |  | 114 |