# KIIT POLYTECHNIC, BHUBANESWAR

## LESSON PLAN

**Session (2022 -2023)**

| Discipline: Computer Science & Engineering | Semester: 3rd<br><br>Winter/2022 | Name of the faculty: Swagatika Dalai<br>Email Id:<br>sdalaifcs@kp.kiit.ac.in |
|---|---|---|
| Subject:<br>Data Structure Lab Using C (Pr-1) | No. of Days/week:  02<br>(2 periods / Day) | Start Date: 14/09//2022<br>End Date: 21/01/2023 |

| Week | Class Day | Practical Topics |
|---|---|---|
| 1st | 1st | Implementation of 1D  Array |
|  | 2nd | Implementation of  2D Array |
| 2nd | 1st | Revision/Assessment |
|  | 2nd | Implementation of Stack |
| 3rd | 1st | Implementation of Stack (contd..) |
|  | 2nd | Revision/Assessment |
| 4th | 1st | Pointer and its application. |
|  | 2nd | Revision/Assessment |
| 5th | 1st | Programs on Structure & Union |
|  | 2nd | Revision/Assessment |
| 6th | 1st | Implementation of insertion  in Stack |
|  | 2nd | Implementation of  deletion in Stack |
| 7th | 1st | Revision/Assessment |
|  | 2nd | Implementation of insertion  in Queue |
| 8th | 1st | Implementation of deletion in Queue |

| | 2nd | Revision/Assessment |
|---|---|---|
| 9th | 1st | Implementation of insertion in Linked list |
| | 2nd | Implementation of insertion in Linked list (contd...) |
| 10th | 1st | Implementation of deletion in Linked list |
| | 2nd | Implementation of deletion in Linked list (contd...) |
| 11th | 1st | Revision/Assessment |
| | 2nd | Implementation of Bubble sort |
| 12th | 1st | Implementation of Quick sort |
| | 2nd | Revision/Assessment |
| 13th | 1st | Implementation of Binary tree traversal |
| | 2nd | Implementation of Binary tree traversal(contd..) |
| 14th | 1st | Implementation of Linear search |
| | 2nd | Implementation of Binary search |
| 15th | 1st | Revision/Assessment |
| | 2nd | Revision/Assessment |