**Lesson Plan**

**Name of the Assistant Professor**- Ms. Alpa Sharma

**Subject**- Computer Science & Applications

**Lesson Plan**- 18 Weeks (July-Nov 2018)

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| --- | --- | --- | --- | --- |
| **Week** | **Date** |  **BSc CSc (IIIrd Sem)****Data Structures using C** |  **BCOM CAV(Vth Sem)****Computer Aided Design** | **BCOM CAV (VTH Sem)****Data Structures using C** |
| 1 | 16-July-18 | Write a program to search an element from array using linear search and print its location |  |  |
| 17-July-18 | Write a program to search an element from array using binary search and print its location |  |  |
| 18-July-18 |  | i)Introduction to AutoCadii)Components of Autocad Window |  |
| 19-July-18 |  |  | Write a program to search an element from array using linear search and print its location |
| 20-July-18 |  |  |  |
| 21-July-18 |  |  |  |
| 22-July-18 | Sunday |
| 2 | 23-July-18 | Write a program to insert elements in array at desired location |  |  |
| 24-July-18 | Write a menu driven program to perform following operations on two dimensional array:1. Addition
2. Subtraction
3. Multiplication
4. Transpose
 |  |  |
| 25-July-18 |  | Work on commands: line, circle, ellipse, polygon, array, rectangle, spline, hatch, polyline and donut etc. |  |
| 26-July-18 |  |  | Write a program to search an element from array using binary search and print its location |
| 27-July-18 |  |  |  |
| 28-July-18 |  |  |  |
| 29-July-18 | Sunday |
| 3 | 30-July-18 | Write a program to sort an array using insertion sort |  |  |
| 31-July-18 | Shaheedi udham singh’s martyrdom day |
| 1-Aug-18 |  | To Modify toolbar. |  |
| 2-Aug-18 |  |  | Write a program to insert elements in array at desired location |
| 3-Aug-18 |  |  |  |
| 4-Aug-18 |  |  |  |
| 5-Aug-18 | Sunday |
| 4 | 6-Aug-18 | Write a program to sort an array using bubble sort |  |  |
| 7-Aug-18 | Write a program to sort an array using selection sort |  |  |
| 8-Aug-18 |  | Polar and rectangular array commands. |  |
| 9-Aug-18 |  |  | Write a menu driven program to perform following operations on two dimensional array:1. Addition
2. Subtraction
3. Multiplication
4. Transpose
 |
| 10-Aug-18 |  |  |  |
| 11-Aug-18 |  |  |  |
| 12-Aug-18 | Sunday |
| 5 | 13-Aug-18 | Haryali teej |
| 14-Aug-18 | Write a program to sort an array using merge sort |  |  |
| 15-Aug-18 | Independence day |
| 16-Aug-18 |  |  | Write a menu driven program to perform following operations on entered string without using string function:1. calculate length
2. reverse the string

find out whether the string is palindrome or not |
| 17-Aug-18 | Holiday |
| 18-Aug-18 |  |  |  |
| 19-Aug-18 | Sunday |
| 6 | 20-Aug-18 | Write a program to sort an array using radix sort |  |  |
| 21-Aug-18 | Write a program to sort an array using bucket sort |  |   |
| 22-Aug-18 | Id-ul-zuha(bakrid) |
| 23-Aug-18 |  |  | Write a program to enter two strings and concatenate them |
| 24-Aug-18 |  |  |  |
| 25-Aug-18 |  |  |  |
| 26-Aug-18 | Sunday |
| 7 | 27-Aug-18 | Write a program to sort an array using tournament sort |  |  |
| 28-Aug-18 | Write a menu driven program to perform following operations on entered string without using string function:1. calculate length
2. reverse the string

find out whether the string is palindrome or not |  |  |
| 29-Aug-18 |  | Draw a smiley using various commands. |  |
| 30-Aug-18 |  |  | Write a program to find substring from the entered string |
| 31-Aug-18 |  |  |  |
| 1-Sep-18 |  |  |  |
| 2-Sep-18 | Sunday |
| 8 | 3-Sep-18 | Janmashtmi |
| 4-Sep-18 | Write a program to enter two strings and concatenate them |  |  |
| 5-Sep-18 |  | Draw a Bicycle using different array commands. |  |
| 6-Sep-18 |  |  | Write a menu driven program to insert an element in linked list:1. at starting node
2. at the ending node
3. at a specific node
 |
| 7-Sep-18 |  |  |  |
| 8-Sep-18 |  |  |  |
| 9-Sep-18 | Sunday |
| 9 | 10-Sep-18 | Write a program to find substring from the entered string |  |  |
| 11-Sep-18 | Write program to insert an element in linked list at starting node |  |  |
| 12-Sep-18 |  | Draw a car using various array commands. |  |
| 13-Sep-18 |  |  | Write a menu driven program to delete an element from linked list:1. from starting node
2. from ending node
3. from specific location
 |
| 14-Sep-18 |  |  |  |
| 15-Sep-18 |  |  |  |
| 16-Sep-18 | Sunday |
| 10 | 17-Sep-18 | Write a menu driven program to insert an element in linked list:1. at starting node
2. at the ending node

 at a specific node |  |  |
| 18-Sep-18 | Write a program to delete an element from linked list from starting node |  |  |
| 19-Sep-18 |  | Draw a tree using various commands. |  |
| 20-Sep-18 |  |  | Write a program to search an element from linked list |
| 21-Sep-18 |  |  |  |
| 22-Sep-18 |  |  |  |
| 23-Sep-18 | Sunday |
| 11 | 24-Sep-18 | Write program to delete an element from linked listfrom specific location |  |  |
| 25-Sep-18 | Write a program to delete an element from linked list from ending node |  |  |
| 26-Sep-18 |  | Draw a hut using various commands. |  |
| 27-Sep-18 |  |  | Write a program to update an element from linked list |
| 28-Sep-18 |  |  |  |
| 29-Sep-18 |  |  |  |
| 30-Sep-18 | Sunday |
| 12 | 1-Oct-18 | Write a menu driven program to delete an element from linked list:1. from starting node
2. from ending node
3. from specific location
 |  |  |
| 2-Oct-18 | Mahatma gandhi’s jayanti |
| 3-Oct-18 |  | Draw a plan of a building in Autocad.a)Plan a single storeyed building in Autocad.b)Plan a single storeyed building in Autocad.Using layers and other commands. |  |
| 4-Oct-18 |  |  | Write a program to implement stack using array |
| 5-Oct-18 |  |  |  |
| 6-Oct-18 |  |  |  |
| 7-Oct-18 | Sunday |
| 13 | 8-Oct-18 | Write a program to search an element from linked list |  |  |
| 9-Oct-18 | Write a program to update an element from linked list |  |  |
| 10-Oct-18 | Maharaja aggarsen jayanti |
| 11-Oct-18 |  |  | Write a program to implement stack using linked list |
| 12-Oct-18 |  |  |  |
| 13-Oct-18 |  |  |  |
| 14-Oct-18 | Sunday |
| 14 | 15-Oct-18 | Write a program to implement stack using array |  |  |
| 16-Oct-18 | Write a program to implement stack using linked list |  |  |
| 17-Oct-18 |  | Use of Trim. |  |
| 18-Oct-18 | Dussehra |
| 19-Oct-18 |  |  |  |
| 20-Oct-18 |  |  |  |
| 21-Oct-18 | Sunday |
| 15 | 22-Oct-18 | Write program to implement queue using array and insert an element. |  |  |
| 23-Oct-18 | Write program to implement queue using array and search an element. |  |  |
| 24-Oct-18 | Maharishi valmiki’s birthday |
| 25-Oct-18 |  |  | Write a menu driven program to implement queue using array and perform the following operations:1. insert an element
2. delete an element
3. search an element
 |
| 26-Oct-18 |  |  |  |
| 27-Oct-18 |  |  |  |
| 28-Oct-18 | Sunday |
| 16 | 29-Oct-18 | Write program to implement queue using array and delete an element. |  |  |
| 30-Oct-18 | Write a menu driven program to implement queue using array and perform the following operations:1. insert an element
2. delete an element
3. search an element
 |  |  |
| 31-Oct-18 |  | Use of chamber and fillet. |  |
| 1-Nov-18 | Haryana day |
| 2-Nov-18 |  |  |  |
| 3-Nov-18 |  |  |  |
| 4-Nov-18 | Sunday |
| 17 | 5-Nov-18 | Write a program to implement dequeue |  |  |
| 6-Nov-18 | Holiday |
| 7-Nov-18 | Diwali |
| 8-Nov-18 | Holiday |
| 9-Nov-18 | Vishavkarma day |
| 10-Nov-18 | Holiday |
| 11-Nov-18 | Sunday |
| 18 | 12-Nov-18 | Holiday |
| 13-Nov-18 | Holiday |