**Course Log Template**

**INSTITUTION National University of Computer and Emerging Sciences**

**PROGRAM (S) TO BE**

**EVALUATED**  **BS Computer Science**

|  |  |
| --- | --- |
| **Course Name** | **Data Structures Lab** |
| **Catalog Number** | **CL218** |
| **Instructor Name** |  |
|  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Duration** | **Topics Covered** | **Evaluation Instruments used** | **Signature** |
|  | Online | Revision | 2 tasks |  |
|  | 3 Hours | Filing, Pointers Debugging | Lab tasks |  |
|  | 3 Hours | Dynamic Memory, Dynamic Arrays, Rule of 3 | Lab tasks |  |
|  | 3 Hours | Dynamic Safe Array, Ordered/Unordered Arrays, Insertion and Searching in Arrays | Lab tasks |  |
|  | 3 Hours | Recursion | Lab tasks |  |
|  | 3 Hours | Singly Linked Lists | Lab tasks |  |
|  | 3 Hours | Doubly Linked List, Searching, Sorting | Lab tasks |  |
|  | 3 Hours | Stacks | Lab tasks |  |
|  | 3 Hours | Stack Revision/ Practice, Queues | Lab tasks |  |
|  | 3 Hours | **MID TERM** | All Tasks Performance |  |
|  | 3 Hours | Heap , Priority Queues | Lab tasks |  |
|  | 3 Hours | Trees | Lab tasks |  |
|  | 3 Hours | Binary Search Tree | Lab tasks |  |
|  | 3 Hours | Graphs | Lab tasks |  |
|  | 3 Hours | **FINAL TERM LAB** | All tasks performance |  |