

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, PUNE

DEPARTMENT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Sr. No. | Title | Dates | Sign. | Remark |
| 1. | To implement insertion sort, merge sort and bubble sort |  |  |  |
| 2. | To implement maximum sum of subarray problem |  |  |  |
| 3. | To implement heap sort program |  |  |  |
| 4. | To implement radix sort and bucket sort |  |  |  |
| 5. | To implement Fibonacci sequence, linear search and binary search |  |  |  |
| 6. | To implement local minima in array and local minima in grid problem. |  |  |  |
| 7. | To implement matrix multiplication and GCD (Greatest common Divisor). |  |  |  |
| 8. | To implement range minima problem. |  |  |  |
| 9. | To implement binary tree and binary search tree. |  |  |  |
| 10. | To implement shortest path in grid and majority element problem. |  |  |  |
| 11. | To implement multiplication of 2 numbers (using divide and conquer approach), counting inversions and quick sort |  |  |  |

Date: Prof. & Head of Department

IIIT, Pune