**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**ADA LAB for Session Jan-May 2021**

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| **Subject** | **Analysis and Design of Algorithms LAB** | **Session: Jan 2021** |
| **Sub. Code:** | **CSE-228** | **Semester: IV (CSE)** |
| **Name of Teacher** | **Prof. Manish Pandey** |  |

**Prog.1:** Implement Recursive Binary search and Linear search and determine the time taken to search an element

**Prog.2:** Write a program to determine if a given matrix is a sparse matrix? Calculate its time and Space complexity. How it is more efficient than the conventional matrix?