Lab-II
National Institute of Technology Silchar
Date: 04 September 2023

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Subject Code: CS-201   Subject: Data Structures
Semester: 3rd Department: CSE
Course: B.Tech   Section: A

You have to write the time complexities and space complexities in the lab copies for all questions.

1. Write a program to create a binary array that supports three key operations: insert, get, and delete a bit. The maximum memory wastage is 7 bits for all. You are supposed to use 1 bit for 1 bit memory location.

2. Write a program to create a MineSweeper algorithm to place mines in random places on the board. You are supposed to create hints based on the mine placement on the board.

3. Write a program to validate whether a given sudoku solution is valid or not.