**Class:** Final Year (Computer Science and Engineering)

**Year:** 2024-25 **Semester:** 1

**Course:** High Performance Computing Lab

**Practical No. 5**

**Exam Seat No:**

**Title of practical: Implementation of OpenMP programs.**

Implement following Programs using OpenMP with C:

1. Implementation of Matrix-Matrix Multiplication.
2. Implementation of Matrix-scalar Multiplication.
3. Implementation of Matrix-Vector Multiplication.
4. Implementation of Prefix sum.

**Problem Statement 1:**

**Screenshots:**

**Information:**

**Analysis:**

**Problem Statement 2:**

**Screenshots:**

**Information:**

**Analysis:**

**Problem Statement 3:**

**Screenshots:**

**Information:**

**Analysis:**

**Problem Statement 4:**

**Screenshots:**

**Information:**

**Analysis:**

**Github Link:**