

## **Programming Paradigms Lab Assignment (CS453)**

### **Assignment Sheet 4 : Functional Programming**

**Duration : 2 weeks**

1. **Write a Scheme Lisp Program to compute factorial of a natural number.**
2. **Write a Scheme Lisp Program to compute N-th Fibonacci Number, where N is a natural number.**
3. **Write a Scheme Lisp Program to compute the HCF of two natural numbers N1 and N2 ( $N1 \geq N2$ ).**
4. **Write a Scheme Lisp Program to find the largest among N natural numbers.**
5. **Write a Scheme Lisp Program to compute the sum of N natural numbers.**