VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

I Year-I Sem

PROGRAMMING AND PROBLEM SOLVING LAB – I

Week 1:
Ubuntu and Linux Commands

Week 2:
Designing of flowcharts and algorithms using raptor tool
1. Areas of Polygons
2. Calculation of Simple and Compound Interest
3. Swapping of Two numbers with and without temporary variable
4. Checking whether a number is even or odd
5. Sum of first 'n' natural numbers
6. Checking a number whether it is divisible by any given number
7. Evaluation of mathematical expressions.
8. Programs using scanf( ) and printf( ) statements.

Week 3:
Programs on operators

Week 4,5&6:
Programs Conditional Statements

Week 7-9:
Programs on Control Statements

Week 10&11:
Programs on Functions

Week 12:
Programs on One Dimensional Arrays

Week 13:
Programs onTwo Dimensional Arrays

Week 14:
Implementation of Linear Search and Binary Search

Week 15:
Implementation of Bubble Sort and Insertion Sort

Week 16:
Review