Institutional Training

June-July, 2021

**Department of AIT-CSE**

**Daily Worksheet - Day-3**

**Functions and Operator Overloading Worksheet**

**Que: 1** Students should be able to write functions on their own to perform some specific task like

To read a matrix.

To find the power of a given number.

To find the largest of three numbers.

Also, Design and execute the main program to test the above functions

**Que: 2** Design and execute a program that substitutes an overloaded += operator for the overloaded + operator in the STRPLUS program in this chapter. This operator should allow statements like s1 += s2; where s2 is added (concatenated) to s1 and the result is left in s1. The operator should also permit the results of the operation to be used in other calculations, as in s3 = s1 += s2;

**Que: 3** Write a program that calculates the total point earned by a football team over a series of games and calculate the average of team. It allow the user to enter the series of game points, then -1 to signal the end of the list.

**Que: 4** Write a function named "g\_c\_d" that takes two positive integer arguments and returns as its value the greatest common divisor of those two integers. If the function is passed an argument that is not positive (i.e., greater than zero), then the function should return the value 0 as a sentinel value to indicate that an error occurred.