Computer Programming Lab (CS – 1002)

Course Code	CS-1002	Credits-2	L –0, T-0, P- 2	
Name of the Course	Computer Programming Lab			
Lectures to be Delivered	26 hours of Lab work (2 hours per week)			
Semester End Examination	*Max. Marks:* 50		*Min. Pass Marks:* 40	Maximum Time:3hrs
Laboratory Continuous Assessment	Lab work 30%, Lab Record 25%, Viva/ Hands on 25%, Attendance 20%)		*Max. Marks:* 50	*Min. Pass Marks:* 25

Instructions for paper setter/ Candidates

Laboratory examination will consist of two parts:

(i)Performing a practical examination assigned by the examiner (25 marks)
(ii) Viva-voce examination (25 marks)

Viva-voce examination will be related to the practicals performed / projects executed by the candidate related to the paper during the course of the semester.

A. **Dos 6.2**(through ms-dos prompt, usage of basic commands, idea of .bat, .sys, .com, .exe files etc, and usage of an editor to be done in consultation with the faculty incharge for the course)

B.**Windows** (usage of GUI for working effectively in laboratory to be done in consultation with the faculty incharge for the course)

C. **Microsoft office**(projects based on word, excel, power point, access, to prepare reports, presentations and databases to be done in consultation with the faculty incharge for the course)

D.**Programming of fundamental algorithms in C** in the form of projects in groups of two (based on *how to solve it* , Dromey and *let us c* by Kanitker and in consultation with the faculty incharge for the course). List of Lab excercises to be displayed in advance covering whole of the course. Tentative list is given below to be developed in the form of Projects. 10 more excercises to be added by the faculty incharge.

1. Write a program to find the largest of three numbers (if-then-else)
2. Write a program to find the largest number out of ten numbers (for-statement)
3. Write a program to find the average mail height & average female heights in the class (input is in form of sex code, height).
4. Write a program to find roots of quadratic equation using functions and switch statements.
5. write a program using arrays to find the largest and second largest no.
6. Write a program to multiply two matrices
7. Write a program to read a string and write it in reverse order
8. Write a program to concatenate two strings
9. Write a program to sort numbers using the Quicksort Algorithm.
10. Represent a deck of playing cards using arrays.

Note:-*Record to be maintained both electronically and hard copy for evaluation*