**PSG COLLEGE OF TECHNOLOGY**

**DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES**

**VI SEM – M.Sc SOFTWARE SYSTEMS**

**15XW66 PRINCIPLES OF COMPILER DESIGN LAB**

**WORKSHEET - 2**

Write C program for the following

1. Given a line of text, count the number of vowels, constants, digits, words, spaces, special characters.
2. Given a set of lines separated by semicolon, attach line numbers to each line and display them.
3. Given a set of lines, some commented using //, identify these lines and delete them. Print the remaining uncommented lines.
4. Given a word, classify it as a C keyword or not.
5. Given a C program as input, extract all the C keywords from them and store it in another file with the line numbers.

(Evaluation of worksheet 1 & 2 will be done on 4.12.19)