ENG204 Computer Aided Engineering - II (1+0+0 1 Units)

- Advanced C Programming: Control statements, functions, program structure, arrays, pointers, structures and unions, data files and low level programming.

- Advanced UNIX/Linux shell programming: types of shells, shell scripts, command substitution, conditional execution, iteration constructs, conditional execution, automatic repetitive tasks, passing parameters to shell scripts.

- Advanced use of CAELinux packages for solving simple engineering problems – CFD software like Code-Saturne, OpenFOAM, Finite Element software like Salome-Meca, Analysis software like wxMaxima, Scilab, MATLAB, R Commander.