

**School of Computer Science & Engineering**

**Department of Computer Engineering & Technology**

**Final Year BTech**

**SSCD LabAssignment No 4**

**Assignment Title:**  Design of Pass II of Two Pass Macroprocessor.

**Aim:**  Design suitable data structure & implement pass II of Two Pass Macroprocessor.

**Objective:** Design suitable data structure & implement pass II of Two Pass Macroprocessor. Input should consist of a one macro definition and one macro call and few assembly language instructions.

**Theory:**

Write about

1. Algorithm for Pass II
2. Data structures required for 2 pass macroprocessor.
3. Flowchart for Pass II.

**Input:**  Assembly Language Program without macro definition, but with macro calls, macro definition table, macro name table & argument list array (from Pass 1 of macro processor)

**Output:**Expanded assembly language program.

**Platform:**Linux/Windows (Java)

**Conclusion:** The function of Pass II in assembler is studied.

FAQ:

Q1. Explain the need of a single pass macro processor.

Q2. Explain nested macro with an example.