THADOMAL SHAHANI ENGINEERING COLLEGE

Department of Computer Engineering College

Class:T. E. Branch: Computer Sem : VI

List of Experiments

Subject: SPCC

| 1. | Write a program in C/JAVA to implement Lexical Analyzer. |
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| 2. | To study LEX and implement programs using FLEX tool. |
| 3. | Write a program to implement Pass 1 of Multi-Pass Assembler and  Write a program to implement Pass 2 of Multi-Pass Assembler |
| 4. | Write a program to implement the FIRST and FOLLOW set for the given grammar. |
| 5. | Write a program to implement Parser. |
| 6. | Write a program to implement Three Address Code (TAC). |
| 7. | Write a program to implement Code Optimization. |
| 8. | Write a program to implement Single Pass Macroprocessor |
| 9. | To study YACC and implement YACC programs . |

**SPCC Written Assignment Questions**

Q1. Explain different issues in code generation.

Q2. Explain Machine Independent code optimization Techniques.

Q3. Explain Single pass Assembler with data structures

Q4. Explain Dynamic linking