**Department of Computer Engineering**

**Academic Year: 2016-17**

**Experiment List**

**Sub: System Programming and Compiler Construction Sem/Class: VI (A and B)**

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| **Exp No.** | **Aim** | **CO** |
| **1** | Case study: Different compilers and debugging tools. | **1** |
| **2** | Case study: Lex and yacc with sample program. | **1** |
| **3** | Removing left recursion and left factoring direct as well as indirect from given production rule. | **3** |
| **4** | Find first(),follow() set of given grammar | **3** |
| **5** | Syntax Analysis : Shift reduce parser | **3** |
| **6** | Design token separator for given expression. | **3** |
| **7** | Implementation of Intermediate code generation. | **4** |
| **8** | Implementation of different code optimization techniques | **5** |
| **9** | Implementation of Assembler Pass 1 | **2** |
| **10** | Implementation of Macro processor Pass 1 | **2** |
| **11** | Study of Linux commands | **1** |

Faculty:

Prof. Lynette D’mello

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