Language Processors Lab (CS353)

III Year, B.Tech (CSE)

List of Assignments

S. No	Name of the Assignment	Duration (Weeks)
1	Implement CYK Algorithm	1
2	Write a program to design Lexical Analyzer	1
3	Implement the Lexical Analyzer using LEX Tool	1
4	Implement elimination of left recursion and left factoring algorithms for any grammar and generate predictive parsing table. Write a program for generating derivation sequence for a given terminal string using parsing table.	2
5	Write a program to implement operator precedence parsing (Precedence table construction and parsing from precedence table)	2
6	Write a program to design SLR parser	1
7	Write a program to design Canonical LR parser	1
8	Write a program to design LALR parser	1
9	LEX and YACC—Generation of Intermediate code for Expression Grammar. Using Back-patching method, generate three address code for WHILE, IF and BOOLEAN EXPRESSIONS.	3
10	Code Generation for SUBSET " C" LANGUAGE	Major Assignment (20th APRIL, 2016)

Method of Evaluation

- Continuous evaluation [Lab assignments, Viva, Quiz etc.] (15 marks)

- Mid semester examination (15 marks)

- Major Assignment (20 marks)

- End semester examination (50 marks)