

SSN COLLEGE OF ENGINEERING
Department of CSE
COURSE PLAN

SUBJECT NAME	:	COMPILER LABORATORY
SUBJECT CODE	:	CS6612
DEGREE / YEAR	:	B.E. CSE / IIIYEAR/ A & B Sections
BATCH	:	2015-2019
SEMESTER	:	VI (2017-18: Even)
NAME OF THE STAFF	:	Dr. B. PRABAVATHY & Dr. B. BHARATHI
DESIGNATION	:	ASSOCIATE PROFESSOR

Sl. No	Topic	No of Sessions (plan)	No of sessions (actual)	Remarks
1.	Implentation of symbol table	1		
2.	Develop a lexical analyzer to recognize a few patterns in C	1		
3.	Implementation of Lexical Analyzer using Lex Tool	1		
4.	Implementation of Calculator using LEX and YACC	1		
5.	Convert the BNF rules into Yacc form and write code to generate Abstract Syntax Tree	1		
6.	Implement type checking	1		
7.	Implement control flow analysis and Data flow Analysis	1		
8.	Implement any one storage allocation strategies(Heap,Stack,Static)	2		
9.	Construction of DAG	1		
10.	Implement the back end of the compiler	2		
11.	Implementation of Simple Code Optimization Techniques	1		

Total Number of Planned Sessions: 13

PREPARED BY
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APPROVED BY
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HOD-CSE