ST.ANN'S COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LECTURE SCHEDULE

Subject: COMPILER DESIGN **Academic Year: 2018-19**
Name: M.Lakshmi bai **Year/Semester: III-I Semester A**
No. of Lectures per week: 4+ 2 (Tutorial)

S.No	DATE	UINITS	TOPICS
1	11-Jun-18		Introduction Language Processing
2	12-Jun-18		Structure of a compiler
3	13-Jun-18		evaluation of Programming Languages
4	14-Jun-18		The Science of building a Compiler
5	18-Jun-18		application of Compiler Technology.
6	19-Jun-18		Programming Language Basics.
7	20-Jun-18	I	The role of lexical analysis
8	21-Jun-18		buffering,
9	22-Jun-18		**specification of tokens**
10	23-Jun-18		Recognitions of tokens
11	25-Jun-18		lexical analyzer generator lex
12	26-Jun-18		**TEST-I**
13	27-Jun-18		**TUTORIAL**
14	28-Jun-18		**Role of a parser**
15	29-Jun-18		Context free Grammars
16	30-Jun-18		Writing A grammar
17	2-Jul-18		Writing A grammar
18	3-Jul-18		Top down parsing
19	4-Jul-18		**TUTORIAL**
20	5-Jul-18	II	Top down parsing
21	6-Jul-18		Top down parsing
22	7-Jul-18		bottom up parsing
23	9-Jul-18		bottom up parsing
24	10-Jul-18		Introduction to Lr Parser.
25	11-Jul-18		**TUTORIAL**
26	12-Jul-18		**TEST-II**
27	13-Jul-18		**More Powerful LR parser LR1,**
28	14-Jul-18		LR1 parser
29	16-Jul-18		LALR
30	17-Jul-18		LALR
31	18-Jul-18		**TUTORIAL**
32	19-Jul-18	III	Using Ambiguous Grammars
33	20-Jul-18		Error Recovery in Lr parser
34	21-Jul-18		Syntax Directed Transactions Definition
35	23-Jul-18		Evolution order of SDTS
36	24-Jul-18		Application of SDTS.
37	25-Jul-18		**TUTORIAL**
38	26-Jul-18		Syntax Directed Translation Schemes.
39	27-Jul-18		**Intermediate code**
40	28-Jul-18		Intermediate code
41	30-Jul-18		Three Address Code
42	31-Jul-18	IV	Three Address Code
43	1-Aug-18		**TUTORIAL**
44	2-Aug-18		Types and declarations,
45	3-Aug-18		Variants of Syntax trees
46	4-Aug-18		Translation of Expressions
47	6-Aug-18		**Revision**

48	7-Aug-18		Revision
49	8-Aug-18	**mid-1**	Revision
50	9-Aug-18		Revision
51	10-Aug-18		Revision
52	11-Aug-18		**revision**
53	13-Aug-18		Type Checking
54	14-Aug-18	**IV**	Control Flow Back patching
55	16-Aug-18		Control Flow Back patching
56	17-Aug-18		**TEST -IV**
57	18-Aug-18		**Runtime Environments,**
58	20-Aug-18		Stack allocation of space
59	21-Aug-18		stack allocation of space
60	23-Aug-18		Access to non-local data on the stack
61	24-Aug-18		heap management
62	25-Aug-18		Code generation:Issues, target language
63	27-Aug-18	V	Address in the target code
64	28-Aug-18		Basic blocks & flow graphs
65	29-Aug-18		**TUTORIAL**
66	30-Aug-18		Basic blocks & flow graphs
67	31-Aug-18		Simple code generation
68	4-Sep-18		**TEST-V**
69	5-Sep-18		**TUTORIAL**
70	6-Sep-18		**Machine independent code optimization**
71	7-Sep-18		The principle sources of Optimization
72	8-Sep-18		The principle sources of Optimization
73	10-Sep-18		The principle sources of Optimization
74	11-Sep-18		peep hole Optimization
75	12-Sep-18		**TUTORIAL**
76	15-Sep-18	VI	peep hole Optimization
77	17-Sep-18		Introduction to Date flow Analysis.
78	18-Sep-18		Live variable Analysis
79	19-Sep-18		**TUTORIAL**
80	20-Sep-18		Reaching definitions
81	22-Sep-18		Reaching definitions
82	24-Sep-18		Revision
83	25-Sep-18		Revision
84	26-Sep-18		Revision
85	27-Sep-18		Revision
86	28-Sep-18		Revision
87	29-Sep-18		Revision
88	1-Oct-18		Revision
89	3-Oct-18		Revision
90	4-Oct-18		Revision
91	5-Oct-18		Revision
92	6-Oct-18		Revision
93	8-Oct-18		Revision (mid 2)
94	9-Oct-18		Revision(mid 2)
95	10-Oct-18		Revision(mid 2)
96	11-Oct-18		Revision(mid 2)
97	12-Oct-18		Revision(mid 2)
98	13-Oct-18		Revision(mid 2)

FACULTY HEAD OF THE DEPARTMENT

Text Books:

1.Compilers, Principles Techniques and Tools- Alfred V Aho, Monica S Lam, Ravi Sethi, Jeffrey D.Ullman,2nd ed, Pearson,2007.2. Compiler Design, K. Muneeswaran, Oxford.

Reference Books:

1. Engineering a compiler, 2nd edition, Keith D.Cooper & Linda Torczon, Morgan Kaufman.
2. http://www.nptel.iitm.ac.in/downloads/106108052/
3. Principles of compiler design, V. Raghavan, 2nd ed, TMH, 2011.
4. Compiler construction, Principles and Practice, Kenneth C Louden, CENGAGE.
5. Implementations of Compiler, A new approach to Compilers including the algebraic methods, Yunlinsu,SPRINGER.