Lesson Plan

Name of Faculty	:	Ms .Bharti Sethi, Assistant Professor, CSE			
Discipline	:	Computer Science and Engineering			
Semester	:	7 th sem (odd)			
Subject	:	Compiler Design (PCC-CSE-401T)			
Lesson Plan Duration	:	15 weeks (AUG 24-DEC 24)			
Work Load (Lecture/Practical) per week (in hours): Lectures-03 hours					

WEEK		THEORY		Topic Covered, Date and Remarks		
-	Day	Topic (Including Assignment/Test)	Date	HOD	Director- Principal	
$\begin{array}{c c}1 & 1\\ \hline 2\\ \hline 3\end{array}$	1	Compiler and translator, need of translator				
	2	Structure of compiler and its phases				
	3	Compiler construction tools				
2	4	Regular expressions				
	5	Specification and recognition of tokens				
	6	Input buffering				
3	7	Conversion from regular expression to finite automata				
	8	Shift reduce parsing				
	9	Top down parsing				
4	10	Predictive parsing				
	11	Syntax directed translation				
	12	Construction of syntax trees				
		1 st Minor Test				
5	13	Symbol table and its types				
	14	Contents of symbol table				
	15	Data structure for symbol table				
17 18	16	Arrays and its attributes				
		Linked lists and their storage				
		Hash tables and collisions				
7	19	Lexical phase errors				
	20	Syntactic phase errors				
	21	Semantic errors				
8	22	Machine dependent code				
	23	Code generation				
	24	Register allocation for temporary variables				
9	25	User defined variables and their scope				
	26	Loop optimization				
	27	Scope optimization				
10	28	Machine independent code				
	29	First and follow algorithms				
	30	First and follow numerical				
		2 nd Minor Test				
11	31	LR parsers				
	32	SLR parsers				
	33	Canonical parsers				
	34	Machine dependent code				
	35	Code generation				
	36	Forms of object code				
13	37	Register allocation for temporary variables				
	38	User defined variables and their scope				
	39	Loop optimization				
14	40	Scope optimization				
	41	Dag representation				
	42	Machine independent code				
15	43	Various phases of parsing				
	44	LALR Parser				
	45	Queries				