

Satyug Darshan Institute of Engineering and Technology

Lesson Plan / Teaching Plan / Lecture Plan with Progress : B Tech – 7th Semester : 2025-26

Course Name (Code) : SNLP (PEC-CS-D-701)

Faculty - Shilpa Gupta

S No	Lecture No	Topic Description	Teaching pedagogy	Reference material	Remark
1.	1.	Introduction of ASR	Board	T1	
2.	2.	Components in ASR	Board	T1	
3.	3.	Challenges in ASR	Board	T1	
4.	4.	Issues in ASR Based in Application	Board	T1	
5.	5.	Issues continued	Board	T1	
6.	6.	Doubt Class			
7.	7.	Difference between NLP and ASR	Board	T1	
8.	8.	Introduction of NLP	Board	T1	
9.	9.	Lexicography	Board	T1	
10	10.	Phases of NLP	Board	T1	
11	11.	Syntax Analysis	Board	T1	
12	12.	Semantics analysis	Board	T1	
13	13.	Pragmatic Analysis	Board	T1	
14	14.	Applications of NLP	Board	T1	
15	15.	Representation of NLP	Board	T1	
16	16.	Doubt Class			
17	17.	Introduction of FLG	Board	T1	
18	18.	Chomsky Classification	Board	T1	
19	19.	Left Associative Grammar	Board	T1	
20	20.	Ambiguous Grammar	Board	T1	
21	21.	Resolution of Ambiguity	Board	T1	
22	22.	Introduction of parsing	Board	T1	
23	23.	Types of Parsing	Board	T1	
24	24.	Top Down Parsing	Board	T1	
25	25.	Top Down Parsing Cont...	Board	T1	
26	26.	Bottom up Parsing	Board	T1	
27	27.	Bottom up parsing Conti...	Board	T1	
28	28.	Doubt Class			
29	29.	Class Test			
30	30.	Intro to Morphology	Board	T1	
31	31.	Morphology Conti...	Board	T1	
32	32.	Parsing of Natural Lang CYK	Board	T1	
33	33.	RTN	Board	T1	
34	34.	ATN	Board	T1	
35	35.	Earley Parsing (Algoritham)	Board	T1	
36	36.	Tomita's Algorithm	Board	T1	
37	37.	Intro of HMM	Board	T1	
38	38.	Doubt Class	Board	T1	
39	39.	Intro Semantic Knowledge Representation	Board	T1	
40	40.	Graph Model	Board	T1	
41	41.	Prolog for NLP	Board	T1	
42	42.	Prolog of DCG	Board	T1	

43	43.	Revision			
44	44.	Application of NLP	Board	T1	
45	45.	Machine Translation	Board	T1	
46	46.	User interface	Board	T1	
47	47.	Man Machine Interface	Board	T1	
48	48.	Speech Recognition	Board	T1	
49	49.	Commercial Use of NLP	Board	T1	
50	50.	Revision/ Doubt Class	Board	T1	
51	51.	Revision			
52	52.	Revision			
53	53.	Revision			
54	54.	Revision			
55	55.	Revision			

Study Material/ Reference Book

T1	"Natural Language Understanding" James Allen – 1995 Benjamin
R1	"language as a Cognitive Process", Terry Winograd 1983, AW
R2	"Natural Language Processing in Prolog" G.Gazder 1989, Addison
R3	"Introduction of Formal Language Theory" Mdljarbib and Faury 1988, spring verlog.