S. B. JAIN INSTITUTE OF TECHNOLOGY, MANAGEMENT & RESEARCH, NAGPUR.

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

"To become a center for quality education in the field of computer science & engineering and to create competent professionals."

TAE1 Report (2024-25)

Compiler Design-PECCCS601T

Name of the Student: Chaitali Domke

USN no: CS23D009

Semester: 6th **Section:** C

Title of Problem: Construction of LL(1) parser

Date of Submission: 25/01/2025

Marks: -

Criteria	Total Mark s	Rubrics	Y/N	Marks Awarded
Construction of Parser	6	Explanation of Output=1		
		Parsing of Invalid String =1		
		Parsing of valid string =1		
		Construction of Parser =1		
		Understanding of Parsing Technique =1		
		Understanding of tool-1		
		Incorrect=0		
Report Submission	4	Format Adherence:- Excellent=4 Better=3 Good=2 Average=1 Not in format=0		

Sign of Student

Sign of Subject In charge

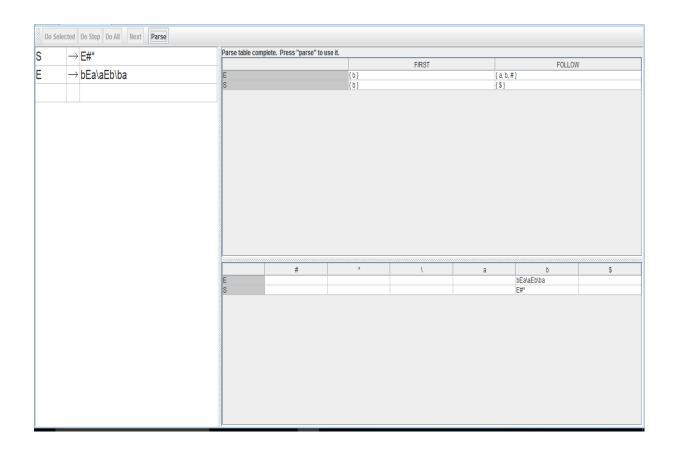
Format of TAE1 Report

1)	Problem Statement: - Construct LL(1) Parser for the following grammar in JFLAP tool.
	S- >E#* E- >bEa\aEb\ba

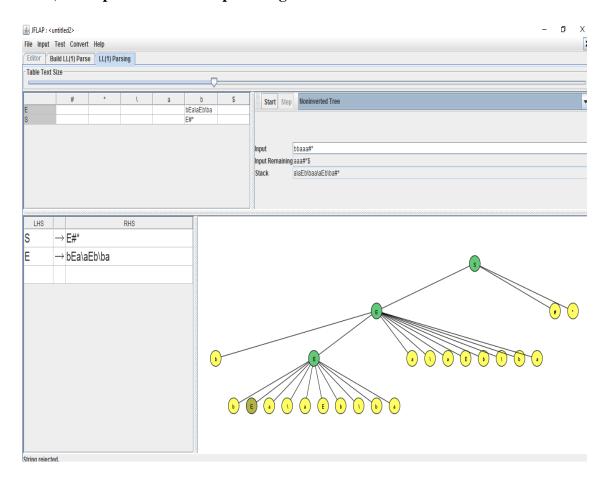
2) Theory of LL(1) Parser: -

3) Computation of FIRST and FOLLOW (in case of LL(1) Parser)						

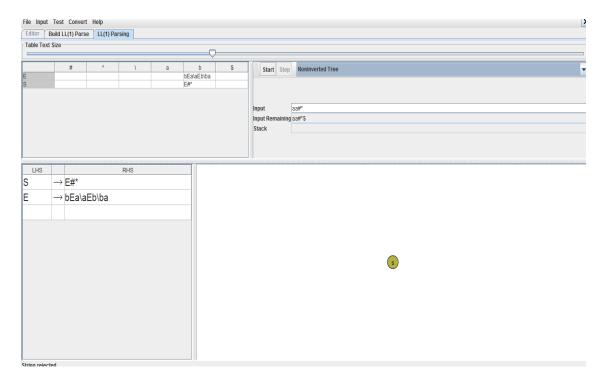
4) Construction of Parsing Table: -



5) Acceptance of the sample string: -



6) **Rejection of the sample string: -**



7) Explanation	n of output and Conclusion:	