ITM(SLS) BARODA UNIVERSITY
SCHOOL OF COMPUTER SCIENCE, ENGINEERING AND TECHNOLOGY (SOCSET)
ODD SEMESTER 2024-25
<CET-2 > SYLLABUS
PROGRAM: B. TECH. BRANCH: CSE/IT/AI SEMESTER: VII
SUB-CODE: **C2710C2 (Core)**   SUB-NAME: **Compiler Design**

Unit # (As per University Syllabus)	Unit Name	Topics
3.	**Syntax Analysis**	Understanding Parser and CFG(Context Free Grammars), Left Recursion and Left Factoring of grammar Top Down and Bottom up Parsing Algorithms, Operator-Precedence Parsing, LR Parsers, Using Ambiguous Grammars,
4.	**Syntax Analysis**	Parser Generators, Automatic Generation of Parsers. Syntax-Directed Definitions, Construction of Syntax Trees, Bottom-Up Evaluation of S-Attributed Definitions, L-Attributed Definitions, syntax directed definitions and translation schemes.
5.	**Error Recovery**	Error Detection & Recovery, Ad-Hoc and Systematic Methods.