SCHOOL OF COMPUTER SCIENCE, ENGINEERING AND TECHNOLOGY
ODD SEMESTER
(CET-01) SYLLABUS

PROGRAM: B.TECH   BRANCH: CSE/IT/AI/CSN   SEMESTER: III
SUB. CODE: C2310C3   SUBJECT NAME: SYSTEM SOFTWARE

Unit # (As per university Syllabus)	Unit Name	Topics
1	**Overview of System Software and Text Editors**	Introduction, Software, Software Hierarchy, Systems Programming Tools, LifeCycle Source Program, Levels of SystemSoftware. Text Editors: Overview of Editing Process, User Interface, Editor Structure, Text Editors - line - by - line (example), file-oriented WYSIWYG (example)
2	**Overview of Language Processors**	Programming Languages and LanguageProcessors, Language Processing Activities, Program Execution, Fundamental of Language Processing, Symbol Tables Data Structures for Language Processing: Search Data structures, Allocation Data Structures.
3	**Assemblers, Macros and Macro Processors**	Assemblers: Elements of Assembly Language Programming, Design of the Assembler, Assembler Design Criteria, Types of Assemblers, Two - Pass Assemblers, One Pass Assemblers.

% Syllabus covered: 42%