Silver Oak College of Engineering and Technology
Computer Engineering Department
6th CE Mid Semester 1 Syllabus, A. Y. 2018-19, Summer 2019 Session

Subject Code	Subject Name	Syllabus (As Per GTU)
2160701	Software Engineering	**Unit - 1,2,4** **Unit 5 -** Design Concepts and Design principal, Architectural Design, Component Level Design (Function oriented Design)
2160707	Advanced Java	**Unit - 1, 2** **Unit - 3** (Servlet Model: Overview of Servlet, Servlet Life Cycle, HTTP Methods Structure and Deployment descriptor) **Unit - 4** (JSP Overview: The Problem with Servlets, Life Cycle of JSP Page, JSP Processing, JSP Application Design with MVC, Setting Up the JSP Environment,JSP Directives, JSP Action, JSP Implicit Objects)
2160704	Theory of Computation	**Unit 1 - Review of Mathematical Theory:** Sets, Functions, Logical statements, Proofs, relations, languages, Mathematical induction, strong principle, Recursive definition **Unit 2 - Regular Languages and Finite Automata:** Regular expressions, regular languages, applications, Automata with output-Moore machine, Mealy machine, Finite automata, memory requirement in a recognizer, definition, union, intersection and complement of regular languages. Nondeterministic Finite Automata, Conversion from NFA to FA, ^- Non Deterministic Finite Automata Conversion of NFA - ^ to NFA and equivalence of three Kleene's Theorem, Minimization of Finite automata Regular And Non Regular Languages – pumping lemma.
2160708	Web Technology	**Unit - 1, 2, 3** **Unit - 7** (Introduction and Basic syntax of PHP, Decision and Looping with Example , PHP and HTML, Arrays, Function)
2160703	Computer Graphics	**Unit - 1, 6** **Unit - 2** (Points, lines as primitive, basic line algorithm, DDA)
2160711	.Net Technology	**Unit - 1, 2, 8, 9**