

CO Description

SI	CO Description	Weight : 95%	POs	Bloom's Taxonomy Domain/ Level	Knowledge Profile (K1-K8)	Complex Engineering Problems (P1-P7)	Is this CO Assessed ?
C01	Review the fundamentals concepts of computer language processing system, different phases of a compiler, and analysis-synthesis model of compilation	5	a	Cognitive/ Understand	K3,K4	P1	Yes
C02	Design regular expressions for recognizing tokens, building symbol table, and transforming the regular expressions to finite state machines for developing lexical analyzer.	20	a	Cognitive/ Apply	K5,K6	P1,P3,P4	Yes
C03	Design context-free-grammars and parsers for syntax analysis to validate string of tokens of a programming language.	30	c	Cognitive/ Create	K6	P1, P3, P5, P6	Yes
C04	Construct syntax-directed definitions, translation schemes, annotated parse trees, dependency graph for semantic analysis and type checking.	25	e	Cognitive/ Apply	K5,K6,K8	P1, P2, P4, P5	Yes
C05	Illustrate intermediate codes, and code optimization techniques for efficient compiler design and how to generate code for programming languages considering different cost	20	j	Cognitive/ Apply	K5,K6	P1, P2, P3	Yes