

Course Title	Theory of Automata and Formal Languages
Course Code	CMP-311
Credit Hours	3
Category	Computing
Prerequisite	None
Co-Requisite	None
Follow Up	None
Course Description	Topics: History of computation, recursive definitions, regular expressions, deterministic finite automata, transition graphs, nondeterministic finite automata, regular languages, properties of regular languages, non-regular languages, context-free grammars, context-free languages, properties of context-free languages, push down automata, non-context free languages, Turing machines.
Text Book(s)	Peter Linz, An Introduction to Formal Languages and Automata, 6 th Edition, Jones & Bartlett Learning, 2016, ISBN-10: 1284077241, ISBN-13: 978-1284077247,