Programme: Master of Computer Applications

Semester III

PGCA1927

Theory of Computation

Course Outcomes (COs)

CO#	At the end of the course, the student will be able to:
CO1	Use basic concepts of formal languages of finite automata techniques.
CO2	Design Finite Automata's for different Regular Expressions and Languages.
CO3	Construct context free grammar for various languages.
CO4	Solve various problems of applying normal form techniques, push down automata and Turing Machines.
CO5	Solve computational problems regarding their computability and complexity and prove the basic results of the theory of computation.

(Source: IKGPTU Syllabus for Master of Computer Applications (Affiliated Colleges), 2021. https://ptu.ac.in/wp-content/uploads/2022/05/MCA-2021-Upto-4th-Sem.pdf)