



UNIT 1. Introduction to the Theory of Automata and Formal Languages

In this course we are interested in knowing whether a problem is computable or not. In addition, we want to know the time that is required, memory required, and the computation model to be used to solve the problem. To start the course, Unit 1 deals with the history of this important branch of Computer Science and introduces main concepts related to Languages, Abstract Machines and Algorithms.

The main objectives of Unit 1 are:

- To learn the history and origins of Automata Theory.
- To know the relationship of this theory with others areas of knowledge.
- To learn the relationship among Machines, Languages and Algorithms.

