

B-27, Knowledge Park – III, Greater Noida, Uttar Pradesh - 201308 Approved by: All India Council for Technical Education (AICTE), New Delhi Affiliated to: Dr. A. P. J. Abdul Kalam Technical University (AKTU), Lucknow

Name of the Subject: Theory of Automata and Formal Languages Faculty Name: Ms. Nisha Sharma Innovation Practices: Learning By Visualization Students Involved: 3<sup>rd</sup> Semester

Learning by Visualization is a teaching method that leverages visual tools, simulations, and graphical representations to simplify complex concepts. When applied to Theory of Automata and Formal Languages (TOFL), this approach helps students better understand abstract ideas like automata, grammars, and language processing by making them tangible and interactive.

**Power point presentations:** Power-Point presentations are used by faculty to enhance teaching and learning experience by including pictures, images, and questions. This encourages and facilitates students to understand the concepts in a structured manner.

**NPTEL Videos:** Students have the access to recorded lectures of professors from IITs, through NPTEL platforms.



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