



TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur-441108  
Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra  
(An Autonomous Institution Affiliated to RTM Nagpur University)



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## Department of CSE (Data Science)

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### B. Tech IV Semester in CSE (Data Science)

Course Name: BDS2403 Formal Languages and Automata

BDS2403 Course Outcomes	
After the completion of this course, students will be able to-	
BDS2403.1	<b>Apply</b> basic properties of formal languages to construct Finite Automata.
BDS2403.2	<b>Design</b> Finite Automata for different Regular Expressions and Languages.
BDS2403.3	<b>Compare</b> different types of grammar and test the equivalence of pushdown and CFL.
BDS2403.4	<b>Create</b> a computational model using Turing Machine for the given problem.
BDS2403.5	<b>Demonstrate</b> basic concept of undecidability, post correspondence & Recursive enumerable Language.