



**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 III Semester in CSE (Data Science)**

**Course Name: BDS32302 Data Structure and Algorithm-Lab**

Course Outcomes		Cognitive Level
After the completion of this course, students will be able to-		
<b>BDS32302.1</b>	<b>Categorize</b> essential data structures and understand when it is appropriate to use.	<b>4</b>
<b>BDS32302.2</b>	<b>Analyze</b> use of Abstract data types & ways in which ADTs can be stored, accessed and manipulated	<b>4</b>
<b>BDS32302.3</b>	<b>Implement</b> the linear Data Structure such as stack and queue.	<b>3</b>
<b>BDS32302.4</b>	<b>Analyze</b> the Binary tree with their operations based on applications	<b>4</b>
<b>BDS32302.5</b>	<b>Evaluate</b> with analysis of efficiency and proofs of correctness of Graphs as a data structure.	<b>5</b>