



**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)**



Department of Biotechnology

## **B. Tech Biotechnology**

### **Course Name BBT2401: Cell and Molecular Biology**

<b>BBT2402</b>	<b>Course Outcomes</b>
<b>CO1</b>	Examine the Concept of cell and Cell cycle
<b>CO2</b>	Analyze the importance of cell transport mechanisms in various physiological processes, such as nutrient uptake, waste removal, and cellular signaling.
<b>CO3</b>	Determine the genetic material organization in various cells
<b>CO4</b>	Demonstrate a comprehensive understanding of the processes involved in DNA replication, including prokaryotic DNA replication, eukaryotic DNA replication, and organelle DNA replication (chloroplasts and mitochondria)
<b>CO5</b>	Evaluate the impact of DNA damages on cellular processes and the potential consequences for organisms health.