



**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: BBT3507 Stem cell Technology**

<b>BBT3507</b>	<b>Course Outcomes</b>
<b>CO1</b>	<b>Interpret</b> the basic concepts of stem cells.
<b>CO2</b>	<b>Comprehend</b> the microenvironments or niches that support stem cell maintenance and differentiation
<b>CO3</b>	<b>Acquire</b> the knowledge of the transformation and protein expression in chloroplasts
<b>CO4</b>	<b>Demonstrate</b> the experimental Methods, isolation & differentiation of stem cells
<b>CO5</b>	<b>Apply</b> the knowledge of stem cells in treating various diseases such as cancer, diabetes,