



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 BBT3606: PE3: State of Art Imaging

BBT3606	Course Outcomes
CO1	Choose appropriate microscopy techniques, including X-ray diffraction, computed tomography, electron microscopy, and fluorescence imaging.
CO2	Infer magnetic resonance techniques, such as nuclear magnetic resonance and magnetic resonance imaging, in biotechnology.
CO3	Comprehend stereo microscopy and its applications in mycology, insect biology, and rhizosphere biology.
CO4	Recommend appropriate ultrasound imaging techniques, including endoscopic ultrasound and color Doppler, for medical diagnostics.
CO5	Examine bioluminescence imaging and mass spectrometry imaging techniques for biological research and analysis.