



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
BBT4708: Bio pharmaceutical Technology

BBT3501	Course Outcomes
CO1	Summarize about biopharmaceutical technology, its importance, and key products, differentiating from traditional pharmaceuticals
CO2	Describe biopharmaceutical production processes, including quality control, assurance, and regulatory requirements
CO3	Analyze biopharmaceutical formulation principles, stabilization techniques, and delivery systems
CO4	Evaluate analytical techniques for characterizing biopharmaceuticals and assessing regulatory compliance
CO5	Apply knowledge of market trends, commercialization challenges, and therapeutic applications in biopharmaceuticals