



# TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade & NBA Accredited (EE & ME)

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)



## Aeronautical Engineering Department

B.Tech Second Year (Semester-III)

**BSH32301: Advance Mathematics**

<b>BSH32301</b>	<b>Course Outcomes</b>
<b>CO1</b>	<b>Analyze</b> numerical techniques to find the roots of equations different types of equations
<b>CO2</b>	<b>Apply</b> solution of ordinary differential equation by different types iterative methods.
<b>CO3</b>	<b>Solve</b> Partial differential equation arising in flow problems using single step and multi-step numerical methods of nth order with constant coefficient.
<b>CO4</b>	<b>Apply</b> the concept of Laplace Transform for Solving differential equation.
<b>CO5</b>	<b>Solve</b> problems on the concepts of analytic functions, residues, poles of complex potentials and conformal and Bilinear transformation arising in field theory and signal processing.