



# 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 Final Year (Semester-VII)

### BAE4710: Aircraft Materials & NDT

BAE4710	Course Outcomes
CO1	<b>Understand</b> the fabrication of aircraft parts of composites materials and should analyze sandwich , honeycomb and laminated plates
CO2	<b>Understand</b> the various maintenance practices in plastic and composite parts of aircraft and Should be aware of crack detection, inspection of parts.
CO3	<b>Examine</b> the concept of the hot oil and chalk, dye-penetrate, magnetic particles, X-ray, ultrasonic testing technique.
CO4	<b>Apply</b> knowledge of the working methodology, advantages and disadvantages of Nondestructive testing.
CO5	<b>Apply</b> the concept of the steps involved in the NDT process and the safety practices in aircraft maintenance and NDT Process.