



AIRLAB SUBANG

NON-DESTRUCTIVE TESTING (NDT) BASIC

Provides an introduction to non-destructive testing techniques used in aviation for inspecting aircraft components without causing damage.

Introduction

Non-Destructive Testing (NDT) is a crucial method in aviation maintenance and inspection, allowing for the evaluation of aircraft components without compromising their integrity. This course introduces participants to the fundamental principles and techniques of NDT, including visual inspection, ultrasonic testing, radiographic testing, and more. The course emphasizes the importance of NDT in maintaining aircraft safety and reliability, providing participants with the skills to perform basic NDT procedures in compliance with regulatory standards.

Course Objectives

To equip participants with the basic knowledge and skills to perform non-destructive testing techniques in aviation maintenance.

Course Outline

- Introduction to NDT
- Types of NDT Methods
- Visual Inspection Techniques
- Ultrasonic Testing
- Radiographic Testing
- Magnetic Particle Testing
- Dye Penetrant Testing
- Regulatory Requirements
- Case Studies

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