



AIRLAB SUBANG

# BASIC GAS TURBINE ENGINE

Provides an introduction to the principles and operation of gas turbine engines used in aircraft.

## Introduction

Gas turbine engines are the powerhouse of modern aircraft, providing the thrust needed for flight. This course introduces participants to the basic principles of gas turbine engine operation, including the components, systems, and maintenance practices associated with these engines. Participants will learn about the different types of gas turbines, their applications in aviation, and the key factors that influence engine performance. The course also covers basic troubleshooting and maintenance procedures to ensure engine reliability and safety.

## Course Objectives

To equip participants with a basic understanding of gas turbine engine operation and maintenance in aviation.

## Course Outline

- Introduction to Gas Turbine Engines
- Types of Gas Turbines
- Engine Components and Systems
- Principles of Operation
- Maintenance Practices
- Troubleshooting Techniques
- Regulatory Requirements
- Case Studies

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+60378325136



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