

# BCS Foundation Certificate in the Ethical Build of AI Course

**Course Duration : 40 Hours**

**Course code : BCS-AI-ETH-956**

## 1. Course Overview

The BCS Foundation Certificate in the Ethical Build of AI Course is designed to provide a comprehensive understanding of ethical principles in the development and deployment of Artificial Intelligence systems. This course focuses on ensuring that AI technologies are built responsibly, transparently, and in alignment with societal values.

## 2. What you'll learn?

- Fundamentals of ethical AI
- Bias, fairness, and transparency
- Data privacy and security
- AI governance and compliance
- Risk management in AI systems
- Responsible AI practices

## 3. Target Audience

- AI and data professionals
- Business analysts and consultants
- IT professionals
- Compliance and risk management professionals
- Students interested in AI ethics

## 4. Pre-Requisites

- Basic understanding of AI concepts (recommended)
- Interest in ethical and responsible AI
- No advanced technical knowledge required

## 5. Course Content (Modules)

### Module 1: Introduction to Ethical AI

- What is ethical AI?
- Importance of responsible AI
- Key principles

### Module 2: Bias, Fairness & Transparency

- Identifying bias in AI
- Fairness in algorithms
- Transparency and explainability

### Module 3: Data Privacy & Security

- Data protection principles
- Privacy challenges
- Secure AI systems

### Module 4: Governance & Risk Management

- AI governance frameworks
- Risk assessment
- Compliance and regulations

### Module 5: Case Studies & Certification Preparation

- Real-world ethical AI cases
- Best practice