

# **AI Training Course**

**Institution:** Family Rescue International Institute

## **Course Description:**

Equips students with practical skills in artificial intelligence, machine learning, and data-driven problem solving for real-world applications.

## **Learning Outcomes:**

1. Understand AI concepts and algorithms.
2. Apply machine learning techniques to data sets.
3. Build AI-driven applications.
4. Address ethical considerations in AI.

## **Modules / Units:**

- **Introduction to AI:** Overview of artificial intelligence concepts.
- **Python for AI:** Programming fundamentals for AI development.
- **Machine Learning Fundamentals:** Supervised, unsupervised, and reinforcement learning.
- **Neural Networks & Deep Learning:** Advanced machine learning techniques.

- **AI Ethics & Governance:** Ethical use and implications of AI.
- **AI Project Development:** Hands-on AI project design and implementation.
- **Capstone Project:** Comprehensive AI project integrating course knowledge.

### **Assessment Methods:**

- Programming assignments
- Exams & quizzes
- Final AI project

### **Recommended Resources:**

- Online AI platforms, programming libraries, research papers