

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