



**START YOUR
ARTIFICIAL
INTELLIGENT
CAREER TODAY!!**

CREDO SYSTEMZ
**Artificial Intelligent
Program**

Capstone Projects :

Real Time Business Scenario using Artificial Intelligence



Sales Prediction System

Use AI regression and time-series models to forecast future sales and identify seasonal trends for better business planning.



Customer Segmentation

Apply clustering algorithms like K-Means to group customers by behavior, demographics, or purchase history for targeted marketing.



Fraud Detection System

Build an AI model to detect unusual patterns in financial transactions and prevent fraudulent activities.



Chatbot for Customer Support

Develop an AI-powered chatbot using NLP to answer FAQs, handle queries, and escalate complex issues.



Sentiment Analysis Tool

Use NLP to analyze customer reviews or social media posts and classify sentiments as positive, negative, or neutral.



Recommendation System

Implement AI to recommend products, movies, or services based on user preferences and past interactions.



ARTIFICIAL INTELLIGENCE COURSE SYLLABUS

● Section 1 : Introduction to AI

- What is Artificial Intelligence
- Types of AI
- Perceptron
- Multi-Layer Perception
- Markov Decision Process
- Logical Agent & First Order Logic
- AI Applications

● Section 2 : Artificial Intelligence Fundamentals

- Application of AI
- History of AI
- Machine Learning
- Fuzzy Logic
- Expert Systems
- Computer Vision

● Section 3 : Reinforcement Learning And Q – Learning Intuition

- Q-Learning Introduction
- Reinforcement Learning Concepts
- Markov Decision Process
- Adding a "Living Penalty"
- Temporal Difference
- Q-Learning Visualization

● Section 4 : Deep Q – Learning Intuition

- Plan of Attack
- Deep Q-Learning Intuition – Learning

- Experience Replay
- Action Selection Policies

● **Section 5 : Creating Environment**

- Installation of environment for Self Driving Car
- Building AI
- Playing with AI
- Challenge Solutions

● **Section 6 : Deep Conventional Q – Learning Intuition**

- Plan of Attack
- Deep Conventional Q-Learning Intuition
- Eligibility Trace

● **Section 7 : Artificial Intelligence And their Technologies**

- Human Factors and Evaluation
- Information Retrieval & Visualisation
- Language & Learning Technology
- Vision / Image Processing

● **Section 8 : Robotics And Artificial Intelligence**

- Write DAX in plain language
- Get best practice tips
- Explain context/iterators
- Auto-create time formulas

● **Section 9 : Performance Metrics**

- Key Methods for Performance Metrics
- Confusion Matrix Example
- Terms of Confusion Matrix
- Accuracy
- Recall / Sensitivity

● Section 10 : Neural Networks

- Introduction – Error, Cost & Loss Functions
- Challenges in Gradient
- Gradient Descent
- Techniques to overcome challenges of Mini Batch
- Convolution Layer and Max-Pooling
- Hands-on use cases using RNN, LSTM and GRU



SKILLS AND TOOLS

Tools Covered

Python



TensorFlow



PyTorch



R



Keras



Scikit-learn



Google Cloud AI



AWS SageMaker



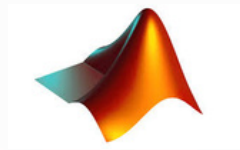
Jupyter Notebook



OpenCV



MATLAB



Colab



Azure AI



Skills Covered

Predictive Modeling



Machine Learning & Deep Learning



Natural Language Processing (NLP)



Computer Vision



Data Analysis & Preprocessing



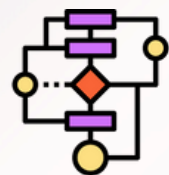
Model Training & Evaluation



AI Ethics & Bias Mitigation



Algorithm Design



Earn your Artificial Intelligence Course Completion Certificate

Credo Systemz's certificate is highly recognized by
30K Global companies around the world.



WHAT OUR **TRAINEE** SAYS?



Santhosh

4.7 ★★★★★

I joined Artificial Intelligence training at Credo Systemz. The trainer explained complex concepts in a simple way. Hands-on projects and assignments made learning effective. Best place to start AI journey.



Fathima Banu

4.2 ★★★★★

The Artificial Intelligence course was very informative and practical. I gained strong skills in ML, Python, and AI algorithms. Credo Systemz provided excellent support throughout the training. Highly recommended institute.



Prakash Jain

5.0 ★★★★★

Amazing Gen AI training at Credo Systemz! The trainer shared real-time examples and projects that helped me apply concepts easily. Assignments were useful for revision. One of the best institutes for AI.



Saindhavi

4.9 ★★★★★

I learned Gen AI at Credo Systemz and really enjoyed it. The trainer explained topics clearly and encouraged coding practice. Real-world projects made me confident to implement Artificial Intelligence solutions practically.



Jesuraj. F

4.0 ★★★★★

Best institute for Artificial Intelligence! The trainer explained AI algorithms step by step. Real-time projects and daily tasks made learning smooth. Credo Systemz truly prepares students for industry requirements.



Anjali Ravi

4.5 ★★★★★


I had a wonderful experience at Credo Systemz. The Gen AI course was structured well, starting from basics to advanced. The trainer supported with examples, projects, and doubt clearance sessions effectively.



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