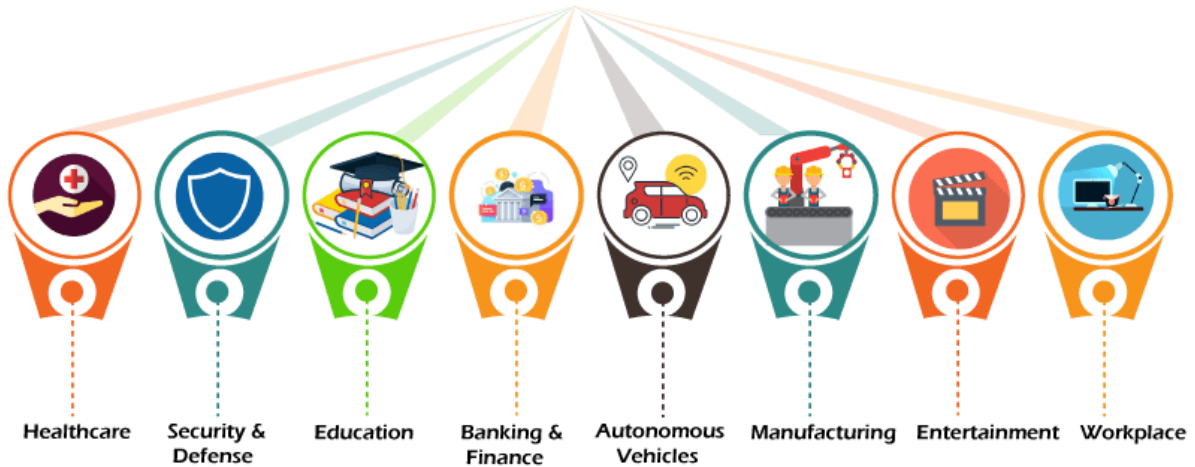




LEARN, THINK, INNOVATE



Future of AI



Overview

Let eMexo Technologies **Best Artificial Intelligence Training in Electronic City Bangalore** take you from the fundamentals of Artificial Intelligence to Advance Artificial Intelligence and make you an expert in developing real-time AI applications. Here are the major topics we cover under this Artificial Intelligence course Syllabus **Introduction to Data Science, Introduction to Python, Python Basics, Python Packages, Importing Data, Manipulating Data, Statistics Basics, Error Metrics, Machine Learning, Supervised Learning, Unsupervised Learning, SVM, SVM Kernal, Other Machine Learning algorithms, ARTIFICIAL INTELLIGENCE, AI Introduction, Deep Learning, Deep Learning Algorithms, Introduction to NLP, Text to Features (Feature Engineering), and Tasks of NLP**. Each topic will be covered in a practical way with examples for our **AI Course in Electronic City Bangalore**.

All the topics will be covered with Practical and hands-on training. Our trainers have industry experience with live project experience in cutting-edge technologies which they teach. We hire only the Best Artificial Intelligence industry specialists as trainers for our **AI Certification Training in Electronic City Bangalore**.

If you are looking for **Artificial Intelligence Certification Course in Electronic City Bangalore**, eMexo Technologies is the **Best AI Training Institute in Electronic City Bangalore**. Come over to our training institute for a free demo class. Let our trainer give you a demo on Artificial Intelligence and only then do you make the decision to enroll in the training program.

Training Features

Real-life Case Studies

Do a real-life case study to understand the usage in real-world scenarios.

Assignments

Each class will be followed by a practical assignment switch that can be completed before the next class.

Preparation for interview

Our trainers are professionals working in multinational corporations. They are experts in their field and know exactly what the interviewer will look for in the candidate. Experienced trainers not only share interview questions but also conduct mock interviews to help prepare for the actual interview.

Key Features

eMexo Technologies offers the **Best AI Training Course in Electronic City Bangalore** with the TOP industry expert trainers.

Here are the key features.

- ★ Free Demo Class Available
- ★ Practical Approach

- ★ Expert & Certified Trainers
- ★ 100% Job Oriented Training
- ★ Real World use cases and Scenarios
- ★ Completed 500+ Batches
- ★ Certification Guidance

Unit 1: Introduction to Data Science

- What is Data Science?
- What is Machine Learning?
- What is Deep Learning?
- What is AI?
- Data Analytics & its types

Unit 2: Introduction to Python

- What is Python?
- Why Python?
- Installing Python
- Python IDEs
- Jupyter Notebook Overview

Unit 3: Python Basics

- Python Basic Data types
- Lists
- Slicing
- IF statements
- Loops
- Dictionaries
- Tuples
- Functions
- Array
- Selection by position & Labels
- Hands-on

Unit 4: Python Packages

- Pandas
- Numpy
- Sci-kit Learn
- Mat-plot library
- Hands-on

Unit 5: Importing Data

- Reading CSV files
- Saving in Python data
- Loading Python data objects
- Writing data to CSV file
- Hands-on

Unit 6: Manipulating Data

- Selecting rows/observations
- Rounding Number
- Selecting columns/fields
- Merging data
- Data aggregation
- Data munging techniques
- Hands-on

Unit 7: Statistics Basics

- Central Tendency
 - Mean
 - Median
 - Mode
 - Skewness
 - Normal Distribution
- Probability Basics
 - What does mean by probability?
 - Types of Probability
 - ODDS Ratio?
- Standard Deviation
 - Data deviation & distribution
 - Variance
- Bias variance Trade off
 - Underfitting
 - Overfitting
- Distance metrics
 - Euclidean Distance
 - Manhattan Distance
- Outlier analysis
 - What is an Outlier?
 - Inter Quartile Range
 - Box & whisker plot
 - Upper Whisker

- Lower Whisker
- Scatter plot
- Cook's Distance
- Missing Value Treatment
 - What is a NA?
 - Central Imputation
 - KNN imputation
 - Dummification
- Correlation
 - Pearson correlation
 - positive & Negative correlation
- Hands-on

Unit 8: Error Metrics

- Classification
 - Confusion Matrix
 - Precision
 - Recall
 - Specificity
 - F1 Score
- Regression
 - MSE
 - RMSE
 - MAPE
- Hands-on

Machine Learning

Unit 9: Supervised Learning

- Linear Regression
 - Linear Equation
 - Slope
 - Intercept
 - R square value
- Logistic regression
 - ODDS ratio
 - Probability of success
 - Probability of failure Bias Variance Tradeoff
 - ROC curve
 - Bias Variance Tradeoff
- Hands-on

Unit 10: Unsupervised Learning

- K-Means
- K-Means ++
- Hierarchical Clustering
- Hands-on

Unit 11: SVM

- Support Vectors
- Hyperplanes
- 2-D Case
- Linear Hyperplane
- Hands-on

Unit 12: SVM Kernal

- Linear
- Radial
- Polynomial
- Hands-on

Unit 13: Other Machine Learning algorithms

- K – Nearest Neighbour
- Naive Bayes Classifier
- Decision Tree – CART
- Decision Tree – C50
- Random Forest
- Hands-on

ARTIFICIAL INTELLIGENCE

Unit 14: AI Introduction

- Perceptron
- Multi-Layer perceptron
- Markov Decision Process
- Logical Agent & First Order Logic
- AI Applications
- Hands-on

Deep Learning

Unit 15: Deep Learning Algorithms

- CNN – Convolutional Neural Network

- RNN – Recurrent Neural Network
- ANN – Artificial Neural Network
- Hands-on

Unit 16: Introduction to NLP

- Text Pre-processing
- Noise Removal
- Lexicon Normalization
- Lemmatization
- Stemming
- Object Standardization
- Hands-on

Unit 17: Text to Features (Feature Engineering)

- Syntactical Parsing
- Dependency Grammar
- Part of Speech Tagging
- Entity Parsing
- Named Entity Recognition
- Topic Modelling
- N-Grams
- TF – IDF
- Frequency / Density Features
- Word Embedding's
- Hands-on

Unit 18: Tasks of NLP

- Text Classification
- Text Matching
- Levenshtein Distance
- Phonetic Matching
- Flexible String Matching
- Hands-on

FAQs

1. How is the training organized? How much percentage is theoretical and how much is practical hands-on?

We at eMexo believe nothing beats hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical and hands-on oriented. You learn a concept, you practice it then and there with the trainers. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer the next day.

2. What is the course duration? How and when do you plan to complete the course?

We generally cover our courses in 60 hours, however, we know that we can't put a hard-stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, it doesn't matter.

3. What is the material provided in the training?

We have industry standard course material which is used by our trainers to train you. At the end of the training, apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions, etc.

4. Do you help in preparing for the interview?

Our trainers are working professionals who work in MNCs. They are the experts in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions will also conduct mock interviews to help you prepare for the real interview.

5. Who are your trainers?

Our trainers are industry experts who work in their respective technologies day in and day out. They work in MNCs and are technology experts within their organizations.

6. What is the total batch size per course?

We maintain a strict batch size of a maximum of 5 students. We also provide exclusive one-to-one training as well. Talk to our training partner to get more details.

7. Do you provide certification for the course?

Yes, at the end of the training, we provide a certification of completion.

8. Will I be joining a new batch or being merged with another batch?

You will be added to a new batch.

9. Is fast-track training available?

Yes, we also provide fast-track training for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain the same. However, the trainer will be spending more hours with you to complete the course.

10. Do you assist in job placement?

Our trainers are expert professionals in their organizations and they often act as the interviewer to hire

new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look for in a resume.

11. Timings for training - Regular training/weekend training?

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12. Will you be working on a live project during training?

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and working with you on the implementation.

13. What happens if I miss a class?

If you miss a class the content of that class will be taught to you again. With us, you might miss a class but not the content.

14. Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counselor on the phone at **+91-9513216462** or email us at **info@emexotechnologies.com** to arrange a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.