ZYRO ACADEMY

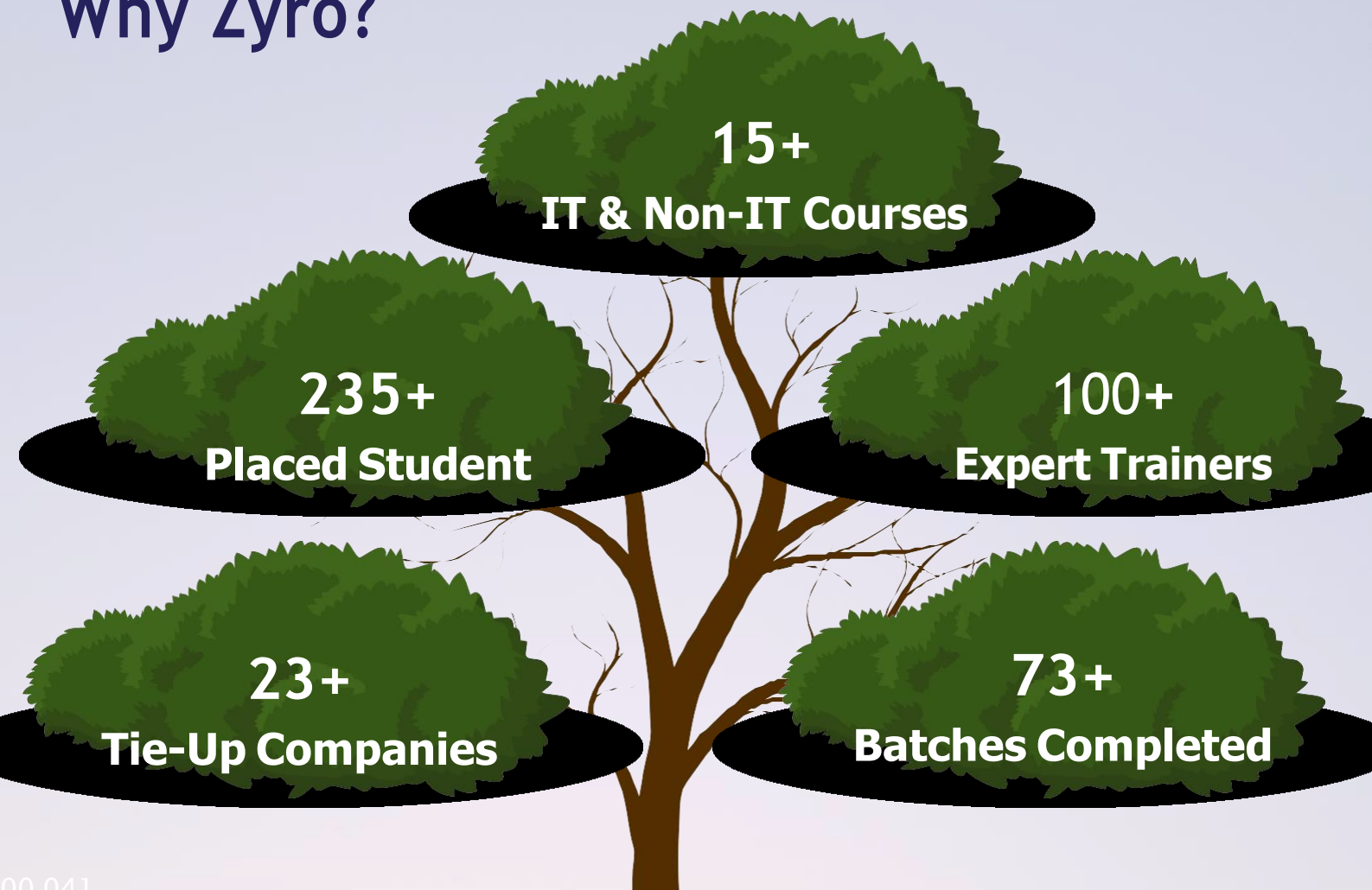Learning today for a better tomorrow.

Data Science Brochure

WATCH DEMO

About Zyro Academy

Zyro Academy provides End-to-End IT solutionson IT Software Training, Corporate Training, Job Support, Recruitment Support, and Project Delivery Services. As a result of our superior methodologies, standards, processes, quality, and project management our IT Training & Services often exceeds the client's expectation

Why Zyro?

15+
IT & Non-IT Courses

235+
Placed Student

100+
Expert Trainers

23+
Tie-Up Companies

73+
Batches Completed

Our Students Shared Their Reviews On Google

← **B.Arrun-UCE-TKY**
1 review · 3 photos

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★★★★★ 2 days ago **NEW**

I have enrolled in Python Training by Zyro Academy. I received good subject knowledge from Kevin sir. It was really useful for me. They rprovided both theoretical and practical training to me and it advanced my theoretical knowledge on the subject and its content.

← **Vel Murugan**
1 review

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★★★★★ 2 weeks ago **NEW**

I choose Zyro Academy for Data Science course because I was imporessed by their vast curriculums. The best academic course I have taken was this one. I currently earn as excellent package as a work as a Junior Data Scientist in a multinational company.

← **Yamini Yamu**
1 review

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★★★★★ a week ago **NEW**

At Zyro Academy, I have finished my Salesforce training. I had really Informative and Interesting sessions with Swetha mam.
I had done some real time projects, which were really useful for the improvement of myself.

← **Syed Salman**
3 reviews · 3 photos

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★★★★★ 6 days ago **NEW**

I enrolled in big data testing course. Classes were excellent and the instructor had plenty of expertise. My trainer provided all all hadoop real world projects and thoroughly broke down each and every aspect. I will really advise my friends to join the course.

MODULE 1: PYTHON BASICS

- Introduction to Python
- Python IDE Installation and Environment Setup
- Nvidia Libraries Setup
- Variables & Data Types
- Python In-Build Data Types
- Type Conversion
- Arrays
- Conditional & Control Statements
- Functions
- Read and Write Operations
- File and Error Handling
- OOPs Concepts

MODULE 2:INTRODUCTION TO ARTIFICIAL INTELLIGENCE

- Key Concepts of Machine Learning, Artificial
- Intelligence, Computer Vision.
- Difference betweenML vs DS vs AI
- Importance of Artificial Intelligence and Machine Learning
- Information Automation

MODULE 3:INTRODUCTION TO MACHINE LEARNING LIBRARIES
- NumPy
- Pandas
- Mat plot lib
- Scikit-Learn
- Tensor Flow
- PyTorch

MODULE 4:BASICS OF STATISTICS
- Introduction of Statistics
- What are Variables and Random Variables?
- Population, Sample, Population Mean, and
- Sample Mean
- Mean, Median, Mode
- Probability
- Population Distribution, Sample Distribution and
- Sampling Distribution.
- Variance
- Standard Deviation
- Gaussian and Normal Distribution
- Central Limit Theorem
- Correlation and Coefficient
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MODULE 5:INTRODUCTION TO MACHINE LEARNING
- What is Machine Learning?
- Why Machine Learning?
- Types of Machine Learning
- Regression (In Detail)
- Classification (In Detail)
- Clustering (In Detail)

MODULE 6:MATH INTUITION OF MACHINE LEARNING ALGORITHMS
- Linear Regression
- Multi Linear Regression
- Logistic Regression
- SVM
- Decision Tree
- Random Forest
- KNN
- K-means Clustering
- Naïve Bayes
- Ensemble Techniques

MODULE 7:MANDATORY CONCEPTS OF DEEP LEARNING

- EDA
- PCA
- Handling Imbalanced Dataset
- Hyper parameter Tuning
- Feature Scaling Techniques
- Feature Selection Techniques

MODULE 8:INTRODUCTION TO DEEP LEARNING

- Optimizers
- Hyper Parameter Tuning
- Introduction to Convolution Layer
- Padding and Pooling
- Other Convolution Operations
- Introduction to RNN
- LSTM
- Encoders and Decoders
- Introduction to Transfer Learning
- Transfer Learning Architectures

MODULE 9:INTRODUCTION TO NATURAL LANGUAGE PROCESSING (NLP)

- Why NLP?
- Tokenization
- Stemming and Lemmatization
- Bog of words and Stop Words
- TF-IDF

MODULE 10: DEPLOYMENT
- GitHub
- Heroku
- AWS

MODULE 11:COMPUTER VISION
- What is Computer Vision
- How Does Computer Vision Work
- Introduction to Computer Vision
- Computer Vision Algorithms
- YOLO
- Image Processing
- Feature Extraction
- Detection and Classification
- Tracking and Segmentation
- Image Annotations
- Introduction to OCR
- EasyOCR

MODULE 12:PROJECTS
- Salary Predictions using Machine Learning Heart
- Diseases Classification using Machine Learning
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- Cotton Leaf Detection using Deep Learning
- Pose Estimation using Computer Vision
- Text Detection using Computer Vision

MODULE 13:
- Career Guidance
- Interview Tips
- Resume tips

Watch Demo