



ZUKUN
THE FUTURE

IT TRAINING INSTITUTE

DATA
SCIENCE



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www.zukun.in

Our Promises

Monthly Guaranteed Interviews

Get interview opportunities every month until you're placed.



Job Portal Optimization

Boost your profile visibility on top job portals



LinkedIn Optimization

Improve your LinkedIn profile to attract recruiters.



Monthly Mock Interviews

Practice with mock interviews after every major module.



Weekly Tests

Track your progress with weekly skill assessments.



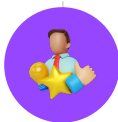
Saturday Aptitude & Communication Classes

Sharpen your aptitude and speaking skills every Saturday.



Sunday Industry Expert Sessions

Learn from professionals every Sunday.



Complete Placement Support

We guide you from day one till you get placed.



Training Module

1. STUDENT

Enquiry's about the course

2. CONSULTANT

Our expert consultants recommend courses based on the student's degree and career goals.



ZUKUN EVALUATION & TRAINING MODULE



5. INTERVIEW SCHEDULING

After the student is fully prepared, we coordinate technical and HR interviews with leading companies. The process will start after the 1st month



3. TECHNOLOGY

We align the student's learning with the latest company job descriptions and industry demands.



4. APITUDE & COMMUNICATION

Students are trained in essential soft skills, including aptitude, English communication, and presentation skills.



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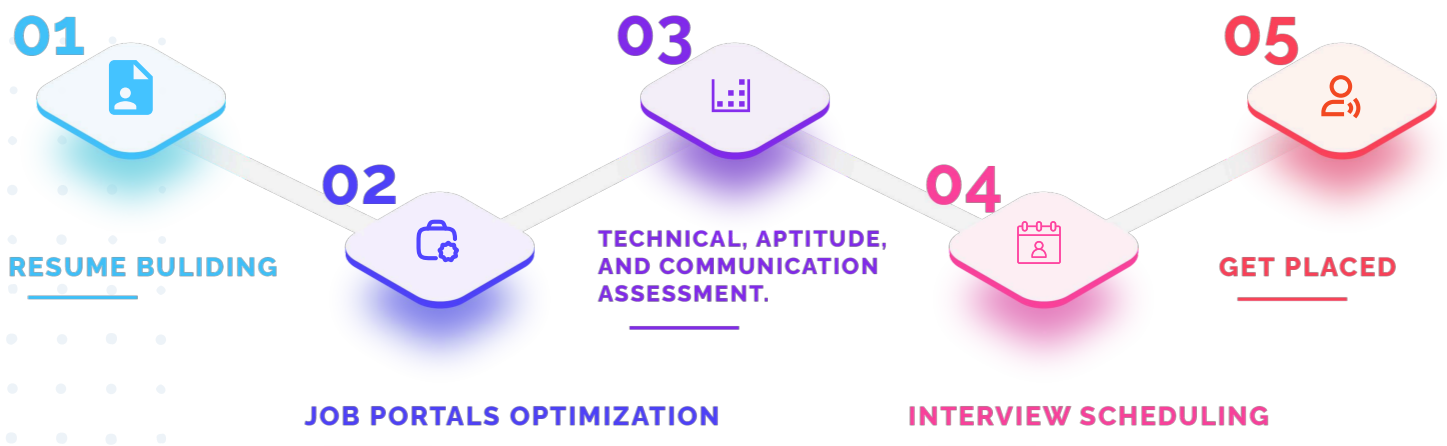


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Placement Module



At Zukun Academy, the journey doesn't end with learning—it begins with launching your career. Our Placement Module is designed to help students confidently step into the job market with the right skills and support. From building powerful resumes and practicing with mock interviews to understanding real-time job roles and company

expectations, we ensure you're job-ready from every angle. Students also work on live projects to build their portfolios, receive one-on-one career counselling, and gain direct access to placement drives through our network of hiring partners. We focus on more than just training, we're with you until you get placed.



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Data Science with AI and ML

Foundations of Data Science

- Introduction to Data Science
- Applications & Use Cases
- Data Science Workflow

Python for Data Science

- Introduction to Python
- Python Syntax and Variables
- Data types
- Operators
- Control Statements
- Data Structures
- Functions
- Modules and Packages
- File Handling
- Error Handling
- Object-Oriented Programming (OOP)
- Python Comprehensions
- Iterators and Generators
- Decorators

Python libraries

- Numpy
- Pandas
- Matplotlib
- Seaborn

Project

- Project Presentation

Statistics & Probability

Descriptive Statistics

- Mean
- Median



- Mode
- Standard Deviation
- Distributions

Inferential Statistics

- Sampling
- Hypothesis Testing
- Confidence Intervals

Probability Theory

- Rules
- Bayes' Theorem
- Distributions

Data Wrangling & Preprocessing

Cleaning Data

- Missing Values
- Outliers
- Type Conversion

Feature Engineering

- Encoding
- Normalization
- Binning

Machine Learning (ML)

- ML Introduction & Overview
- Overfitting & underfitting
- Cross filtering
- Ensembling
- Hypothesis testing
- P-value
- Classification & regression metrics

Algorithms

Supervised Learning

- Linear & Logistic Regression



- Trees
- KNN
- Naive Bayes
- SVM

Unsupervised Learning

- K-Means
- Hierarchical clustering
- DBSCAN
- PCA
- t-SNE

Model Evaluation

- K-Means
- Hierarchical clustering
- Confusion Matrix
- Precision
- Recall
- F1 Score
- ROC-AUC
- Cross-Validation

Project

- ML end to end model project

Summary Statistics

- Data Distributions
- Outlier Detection and Management
- Charts and Graphs
 - One Dimensional Charts
 - Histogram, Bar chart
 - Two Dimensional
 - Scatter Plots, Box Plots
 - Bar Charts (Stack And Dodge)
 - Multi-Dimensional Plots
- Inference and Variable Selection
- Fancy Charts-Bubble Charts, Word Clouds



Deep Learning & Artificial Intelligence

- DL intro & Overview
- Key components of DL
- Neural Networks
- Propagation
- Activation Functions
- Layers
- ANN
- CNN
- KNN
- Lemmatization
- Stemming

Real-World Projects & Case Studies

- Sample Projects

Databases

- Introduction to SQL
- RDBMS vs DBMS
- Tables, Rows, and Columns
- Popular SQL Databases
- Data Types in SQL
- Basic SQL Commands (DDL, DML, DCL, TCL)
- Filtering and Sorting Data
- Logical and Comparison Operators
- Aggregate Functions
- String Functions
- Date and Time Functions
- GROUP BY Clause
- HAVING vs WHERE
- NULL Handling Functions
- Joins Subqueries
- Set Operations
- Views
- Indexes
- Constraints



- Transactions and ACID Properties
- Stored Procedures
- Triggers
- Temporary Tables and CTEs
- Window Functions
- Data Modeling
- Intro to NoSQL (MongoDB)

Deployment & MLOps

- Flask for Model Deployment
- Docker Basics
- CI/CD Concepts
- Monitoring ML Models

Capstone Project

- End-to-end Data Science Project





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Location

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Thank you

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step into the **IT industry** with confidence.