



[An ISO 9001:2008 Certified Company]

# **GET TRAINED**

## **BECOME EXPERT AND GET PLACED**

**100% JOB ORIENTED ADVANCE EMBEDDED COURSES**



**SCAN & CONNECT**

**Office No. 86-89, 5th floor, C-Wing Shreenath Plaza,  
Dyaneshwar Paduka Chowk, FC Road, Pune 411005**

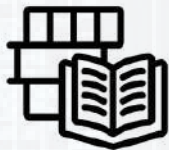
**Mobile: 8605006788 | Gmail:  
technoscriptspune@gmail.com**

**[www.technoscripts.in](http://www.technoscripts.in)**

# ABOUT US

TechnoScripts is an ISO 9001:2015 certified best training institute for advance courses in Embedded System. We are pioneer of Embedded System training in Pune development. Though we provide many different courses and training in embedded all aim at giving good practical knowledge to students as well help them in career

## OUR FEATURES



STUDY  
MATERIAL



ISO  
9001:2015  
CERTIFIED



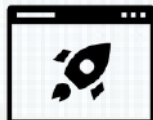
100%  
PLACEMENT  
SUPPORT



COURSE  
COMPLETION  
CERTIFICATE



INTERVIEW  
PREPERATION



LIVE PROJECTS



STATE OF THE ART  
LABS



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CLASSROOM

## OUR COURSES

Advance Career Track

Automotive Embedded

PG Diploma in Embedded

MATLAB Simulink

MBD Training

IOT Training

Autosar Training

**LIVE PROJECTS | INTERVIEW PREPERATION | MOCK INTERVIEWS**

**CONTACT US FOR DEMO NOW**

# COURSE SYLLABUS : PYTHON WITH AI WITH PLACEMENTS

## **Module 1: Introduction to Python Coding**

Get started with Python programming, its syntax, data types, and role in AI.

## **Module 2: Control Structures in Python**

Master conditionals, loops, and control statements to build logic-based programs.

## **Module 3: Functions and Modular Programming**

Learn to write reusable code using functions, parameters, and lambda expressions.

## **Module 4: Data Structures in Python**

Explore lists, tuples, and dictionaries for effective data handling and manipulation.

## **Module 5: Object-Oriented Programming (OOP)**

Understand OOP concepts like classes, objects, and inheritance for scalable coding.

## **Module 6: File and Exception Handling**

Read and write files, and manage errors in real-world Python applications.

## **Module 7: Python Libraries for AI**

Work with NumPy, Pandas, Seaborn, and Matplotlib for AI-focused data operations.

## **Module 8: Data Manipulation with Pandas**

Load, clean, and explore datasets using Pandas DataFrames and EDA techniques.

## **Module 9: Mathematics for AI**

Learn linear algebra, probability, statistics, and calculus essential for AI and ML.

## **Module 10: Introduction to Machine Learning**

Understand ML basics, model workflow, and use Scikit-learn for your first ML model.

## **Module 11: Supervised Learning – Regression**

Implement linear and multiple regression models and evaluate them effectively.

## **Module 12: Supervised Learning – Classification**

Build classification models using logistic regression, decision trees, and SVMs.

## **Module 13: Unsupervised Learning**

Explore K-Means, Hierarchical Clustering, and PCA for discovering data patterns.

## **Module 14: Model Evaluation and Optimization**

Evaluate ML models and optimize them using cross-validation and hyperparameter tuning.

## **Module 15: Neural Networks**

Understand neural architectures and build your first neural network using Python.

## **Module 16: Deep Learning with TensorFlow and Keras**

Train deep learning models using Keras, TensorFlow, and advanced optimizers.

## **Module 17: CNNs in Python**

Implement Convolutional Neural Networks for powerful image classification.

## **Module 18: RNNs in Python**

Work with Recurrent Neural Networks for time series and sequential data.

## **Module 19: Natural Language Processing (NLP) Basics**

Learn core text processing techniques like tokenization, stemming, and TF-IDF.

## **Module 20: NLP with Libraries**

Use NLTK and SpaCy for tasks like POS tagging and Named Entity Recognition.

## **Module 21: Word Embeddings and Sentiment Analysis**

Train sentiment analysis models using Word2Vec, GloVe, and class balancing.

## **Module 22: Advanced NLP with Transformers**

Explore Transformers and BERT using Hugging Face for modern NLP tasks.

## **Module 23: Reinforcement Learning Basics**

Learn Q-learning and train simple agents through rewards and environment interaction.

## **Module 24: AI Project Development**

Build and deploy an end-to-end AI project using tools like Flask or Streamlit.

# PLACEMENTS

We provide 100% placement support to every student enrolled for Job oriented courses. We invite top companies for campus interview at our centre as well arrange the interviews for students at company premises.

## OUR ALUMNIES ARE PLACED AT



SCAN & GET A GLIMPSE.  
OUR PLACED STUDENTS.