TechnoScripts

[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

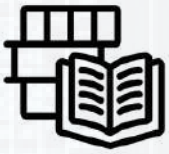
Mobile: 8605006788 | Gmail: technoscriptspune@gmail.com

www.technoscripts.in

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

LEARN ONLINE / 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 : AI ML COURSE WITH PLACEMENTS

Module 1: Introduction to AI & ML
Understand what AI and ML are, explore their types, and set up your development environment.

Module 2: Python Coding Language Basics
Start coding in Python with variables, loops, functions, and simple hands-on scripting tasks.

Module 3: Python for Data Handling
Manipulate data using Python collections, handle files, and explore NumPy and Pandas basics.

Module 4: Mathematics for AI and ML
Grasp the mathematical backbone of AI including linear algebra, statistics, probability, and calculus.

Module 5: Data Preprocessing Techniques
Clean, transform, and prepare your datasets with techniques like encoding and normalization.

Module 6: Introduction to Machine Learning
Get introduced to ML workflows, key terms, and the difference between supervised and unsupervised learning.

Module 7: Linear Regression
Learn how to predict continuous outcomes and build your first regression model from scratch.

Module 8: Logistic Regression
Classify binary outcomes using sigmoid-based models and evaluate performance with accuracy and recall.

Module 9: Decision Trees
Understand how decision trees work and implement a model using concepts like entropy and information gain.

Module 10: Random Forests
Boost accuracy using ensemble methods like bagging and feature randomness in a random forest model.

Module 11: K-Nearest Neighbors (KNN)
Use distance metrics to classify data based on the nearest neighbors in your dataset.

Module 12: Support Vector Machines (SVM)
Draw optimal boundaries between classes using kernels and margin maximization techniques.

Module 13: Clustering with K-Means
Group similar data points using K-Means clustering and determine optimal cluster numbers.

Module 14: Principal Component Analysis (PCA)
Reduce dimensionality of complex datasets and visualize high-dimensional data efficiently.

Module 15: Introduction to Neural Networks
Build basic neural networks and understand layers, activation functions, and forward propagation.

Module 16: Deep Learning with TensorFlow and Keras
Train deep models using TensorFlow/Keras and master parameters like epochs and batch size.

Module 17: Convolutional Neural Networks (CNNs)
Extract image features using convolutional layers for classification and visual recognition tasks.

Module 18: Recurrent Neural Networks (RNNs)
Process sequences like time series or text with RNNs, LSTM, and GRU architectures.

Module 19: Natural Language Processing (NLP) Basics
Explore text-based AI using tokenization, TF-IDF, and sentiment analysis techniques.

Module 20: Introduction to Generative AI
Learn how models generate text, images, and audio using techniques like GANs and VAEs.

Module 21: Generative Adversarial Networks (GANs)
Build GANs with generator and discriminator networks for synthetic image creation.

Module 22: Reinforcement Learning Basics
Train AI agents using rewards with Markov Decision Processes and Q-learning strategies.

Module 23: Model Evaluation & Tuning
Evaluate ML models using accuracy, F1, AUC, and fine-tune with cross-validation and grid search.

Module 24: AI/ML in Industry – Part 1
Explore AI applications in healthcare, finance, and retail through practical case studies.

Module 25: AI/ML in Industry – Part 2
Apply AI in manufacturing, marketing, and transport and solve an industry-specific challenge.

Module 26: Model Deployment
Deploy models to production using Flask/FastAPI and explore cloud deployment options.

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

KPIT, SANEPAR, Atos, TCS TATA CONSULTANCY SERVICES, HARMAN, Lenovo, UNISOUL, HCL, American Megatrends, Cummins, innovita, BOSCH, SIEMENS, SAMSUNG, Deloitte., KNORR BREMSE, Honeywell, Tech Mahindra, HITACHI, suntel, Onward TECHNOLOGIES, TATA ELXSI, AVIN SYSTEMS, RENU ELECTRONICS PVT. LTD., JOHN DEERE, infotech Solutions, KALYANI, Qualcomm, Valeo, ASUS, Whirlpool CORPORATION, FORBES MARSHALL, SEDEMAC

SCAN & GET A GLIMPSE. OUR PLACED STUDENTS.