

Real Time - Project Based

AI, GEN-AI, AGENTIC-AI & QUANTUM TESTING (QA)

Manual & Automation Testing

AI-QUANTUM-QA-NO CODE



Real-Time
Projects



AI-Powered
Testing Tools



Manual &
Automation Testing



Industry-Ready
Skills



Test
Innovate
Assure
the Future



Why Choose us?

- ✓ Mock Interviews
- ✓ Resume Building
- ✓ 1:1 Career Mentorship
- ✓ Industry Ready Curriculum
- ✓ Hands-on Real Time Projects
- ✓ AI & Modern Testing Tools
- ✓ Placement Support



Learn **Testing** Today
Lead the **Quality** of Tomorrow!



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codingmaasters.com

ABOUT TRAINER



K SubRaj Sir

Lead Trainer

K SubRaj Sir

**TRANSFORMING PROFESSIONALS
INTO AI INNOVATORS**



CERTIFICATIONS & CREDENTIALS

- ✓ Microsoft Certified Data Scientist & Co-pilot Engineer
- ✓ Google Certified Gen-AI Engineer
- ✓ Certified Pythonista Programmer
- ✓ Certified AI in Testing (ISTQB)
- ✓ Certified in GenAI & Agentic AI Engineering (Google, Microsoft, ITG)



EXPERIENCE & EXPERTISE

With over **25+ years** of IT experience and an M.Sc. in Computer Science from Manipal University, **KSubRajSir** is a leading trainer in **Data Science, Prompt Engineering, LLMs, Generative AI, Agentic AI**, and **Autonomous Testing (AI)**. He emphasizes hands-on, industry-oriented learning that bridges the gap between academic concepts and real-world applications.

SPECIALTIES & EXPERTISE



**DATA SCIENCE,
AI, AND
GENERATIVE AI**



**PROMPT
ENGINEERING &
AGENTIC AI
SOLUTIONS**



**PYTHON
PROGRAMMING &
AI TESTING**



**CORPORATE &
ACADEMIC TRAINING
(250+ HOURS COURSES)**



**MENTORING
PROFESSIONALS FOR
CAREER GROWTH IN AI**



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QUANTUM TESTING



Lavanya Murapaka



The AI and GenAI Testing course at Coding Master is one of the most insightful learning experiences I've ever had. Subba Raju sir explains even the most complex concepts in a simple, friendly, and engaging way. Every topic is supported with practical projects, real-time examples, and hands-on tasks. This course truly prepares you for real industry challenges.



Prasad Addala



Coding Master's AI & GenAI Testing program exceeded all my expectations. The curriculum is updated, practical, and perfectly aligned with today's industry needs. What I loved the most was how patiently Subba Raju sir answered all our doubts and guided us through each project. I feel fully ready to start my GenAI journey after this training.



Niveditha Reddy



This course gives you the perfect balance of theory, hands-on learning, and career guidance. Subba Raju sir teaches with such clarity that even complicated concepts like LLMs and transformers start to feel easy. The practical exposure we got through live projects made a huge difference. I highly recommend this course to anyone entering the AI world.



Ejaz Ahmed



I've taken many online courses before, but nothing came close to the depth and quality of Coding Master's AI & GenAI Testing training. Every session is thoughtfully planned, making learning smooth and enjoyable. The projects gave me real-time experience that I can showcase in my portfolio. A genuinely life-changing learning experience.



MODULE-1. INTRODUCTION TO AI, GEN-AI AND QA ENGINEERING

What is AI?

Overview of AI

Types of AI

Narrow AI

General AI

Super Intelligent AI

Applications of AI



QA Engineering

Role of QA Engineer

Importance of Quality Assurance

AI in QA

AI-driven QA Processes

Benefits in Testing

Test Automation

Predictive Analysis

Faster Testing



MODULE- 2 CORE PYTHON CODING FOR GEN-AI TESTING (Optional)

Python Fundamentals

- Introduction to Python
- Variables & Constants

Programming Concepts

- Control Structures
- Functions

Data Structures



MODULE-3 ISTQB AI TESTING CONTENT:

AI Fundamentals

- AI Overview, Types & Applications
- Machine Learning Basics

ML Concepts

- Data & Performance Metrics
- Neural Networks & Testing

AI Testing

- AI-Based Systems
- Quality Characteristics
- Testing Techniques



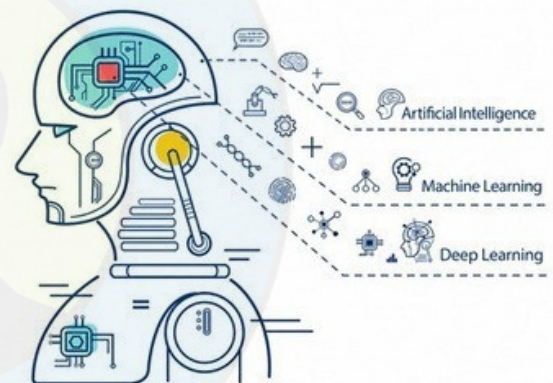
MODULE- 4. INTRODUCTION TO MATHS FOR AI AND GEN-AI TESTING

- Statistics
- Probability
- Calculus
- Linear Algebra



MODULE-5. AI MODELS TESTING-MACHINE LEARNING

- What is Machine Learning? Types of Machine Learning
- Supervised Machine Learning
- Unsupervised Machine Learning



MODULE-6. AI MODELS TESTING- SIMPLE LINEAR REGRESSION

- Introduction to Multivariate Linear Regression
- Computations in Multivariate Linear Regression
- Real-Time Datasets
- Model Testing using SCRUM Process
- AI Agile Process



MODULE-7. AI MODELS TESTING-MULTI LINEAR REGRESSION

Regression Concepts

Introduction

Computations

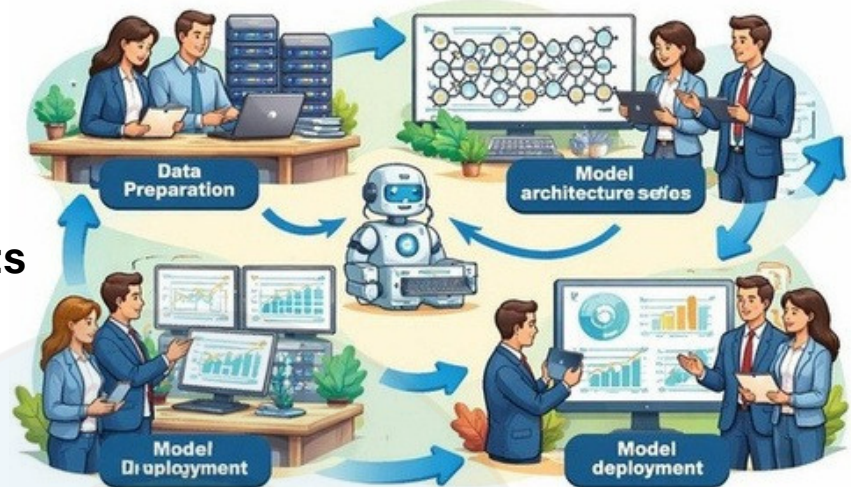
Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-8. AI MODELS TESTING-POLYNOMIAL REGRESSION

Regression Concepts

Introduction to Polynomial Regression

Polynomial Computations

Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-9. AI MODELS TESTING-LOGISTIC REGRESSION

Regression Concepts

Introduction to Logit Regression

Logit Computations

Dataset Processing

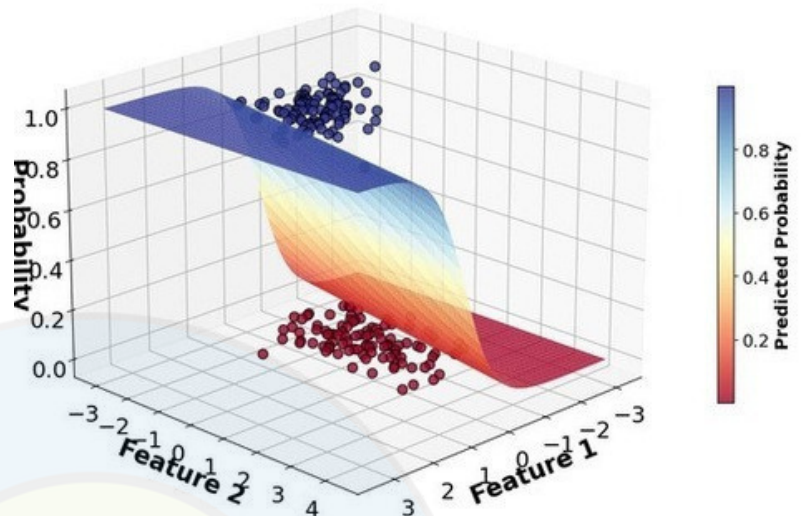
Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process

3D Probability Surface



MODULE-10. AI MODELS TESTING-KNN

Regression Concepts

Introduction to KNN Regression

KNN Computations

Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-11. AI MODELS TESTING-SVM

Regression Concepts

Introduction to SVM Regression

SVM Computations

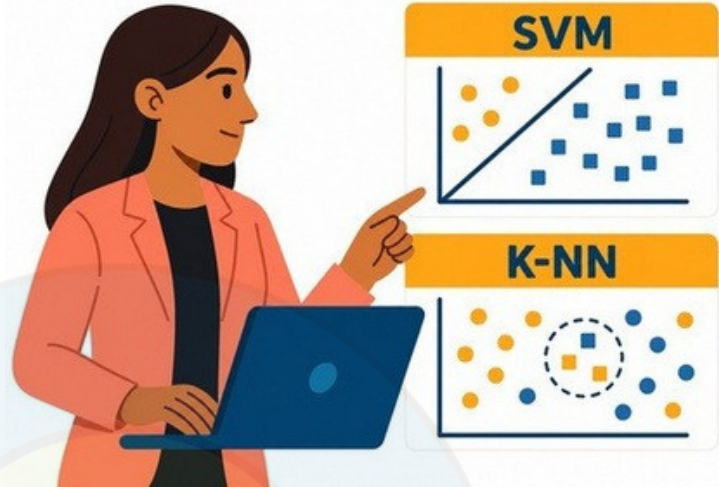
Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-12. AI MODELS TESTING-DECISION TREE AND RANDOM FOREST

Tree Concepts

Introduction to Decision Tree

Decision Tree Computations

Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process

Ensemble Methods

Bagging & Boosting



MODULE-13. AI MODELS TESTING-DEEP LEARNING

ANN Concepts

Introduction to ANN

ANN Computations

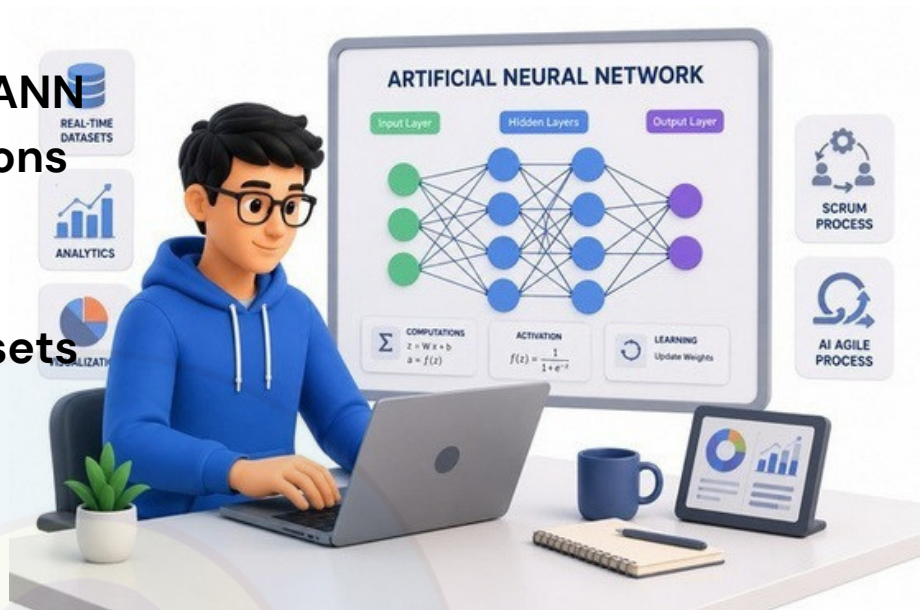
Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-14. AI MODELS TESTING-DEEP LEARNING

CNN Concepts

Introduction to CNN

CNN Computations

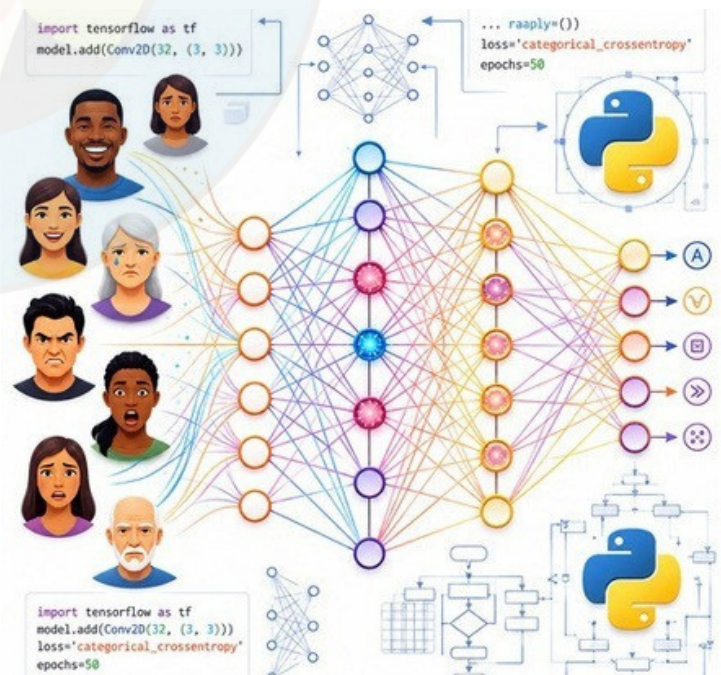
Dataset Processing

Real-Time Datasets

AI Model Testing

SCRUM Process

AI Agile Process



MODULE-15. AI MODELS TESTING-DEEP LEARNING

RNN Concepts

- Introduction to RNN
- RNN Computations

Dataset Processing

- Real-Time Datasets

AI Model Testing

- SCRUM Process
- AI Agile Process



MODULE-16. AI MODELS TESTING-NLP

NLP Concepts

- Introduction to NLP
- NLP Computations

Dataset Processing

- Real-Time Datasets

AI Model Testing

- SCRUM Process
- AI Agile Process



MODULE-17. ISTQB GENAI- TESTING

GenAI Foundations

- Introduction to GenAI Testing
- GenAI Concepts
- Core Testing Principles

Prompt Engineering

- Prompt Development
- Prompt Techniques
- Prompt Evaluation

GenAI Risk Management

- Hallucinations & Biases
- Privacy & Security
- Energy & Sustainability
- AI Regulations & Standards

LLM-Powered Testing

- Testing Architectures
- Fine-Tuning & LLMOps

GenAI Adoption

- Adoption Roadmap
- Change Management



ISTQB®
Certified Tester
Advanced Level
Test Management



MODULE-18. GENAI TESTING USING TESTIM AND TESTRIGOR

Testim Fundamentals

- Introduction & Setup
- Test Recording
- Environment Configuration

TestDevelopment

- Editing & Assertions
- Shared Steps
- Custom Actions

AI-Powered Automation

- Smart Locators
- Failure Analysis

Data-Driven Testing

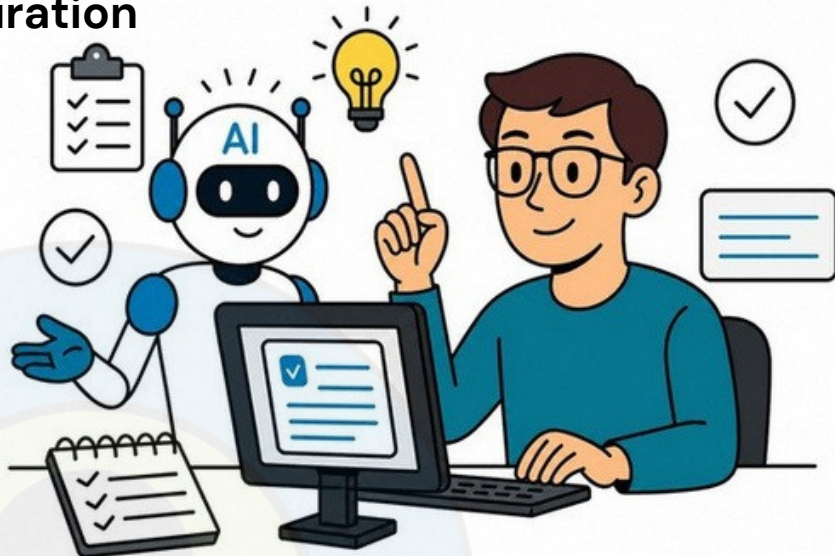
- Variables & Dynamic Data
- External Data Sources

Assessment & Certification

- Quizzes & Exercises
- Practical Labs
- Certification

GenAI Testing with testRigor

- Introduction
- Plain-English Automation
- Test Suite Setup



PlainEnglish Test Cases

- Commands & Syntax
- Element Locators
- UIElement Interactions

UI Automation

- Web, Mobile & Desktop
- Reusable Rules
- Shared Steps

Data-Driven Testing

- Variables
- Data Sets
- Rule Suite Management

Generative AI Testing

- AI-Generated Test Cases
- Prompt Engineering

Assessment & Certification

- Q uizzes
- Self-Assessments
- Certification

AI-POWERED TEST CASE GENERATION TOOL



Prompt Engineering for Testers

Writing Prompts as Test Artifacts



MODULE-19. AI CERTIFICATIONS

- ISTQB AI Testing
 - CT-AI Certification
 - Syllabus Preparation
 - Mock Assessments

- ISTQB GenAI Testing
 - GenAI Certification
 - Syllabus Preparation
 - Mock Assessments



MODULE-20. QUANTUM TESTING

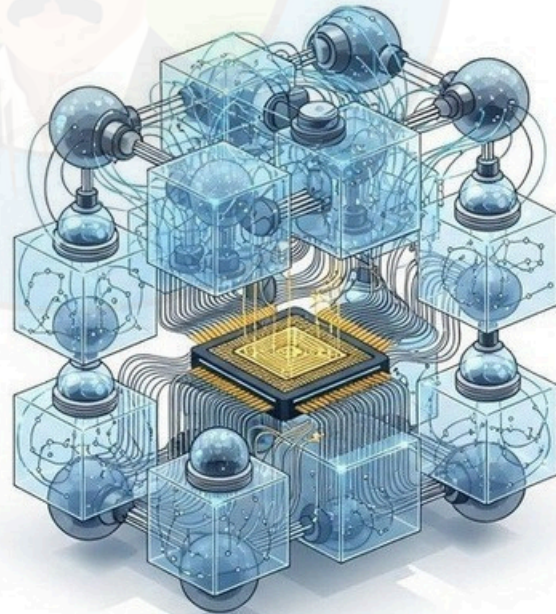
- Introduction

- Computing Basics

- Classical vs Quantum
 - Bits vs Qubits

- Quantum Concepts

- Superposition
 - Entanglement
 - Measurement
 - Interference



Bloch Sphere

Quantum Systems

Superconducting Qubits

Trapped Ions

Photonic Qubits

MODULE-21. : MATHEMATICS FOR QUANTUM QA

Linear Algebra

Vectors

Matrices

Complex Numbers

$a + bi$

Probability

Distributions

Measurement Rules

Quantum Operations

Tensor Products



MODULE-22. : PYTHON + QUANTUM PROGRAMMING BASICS

Python Essentials

Variables

Loops

Functions

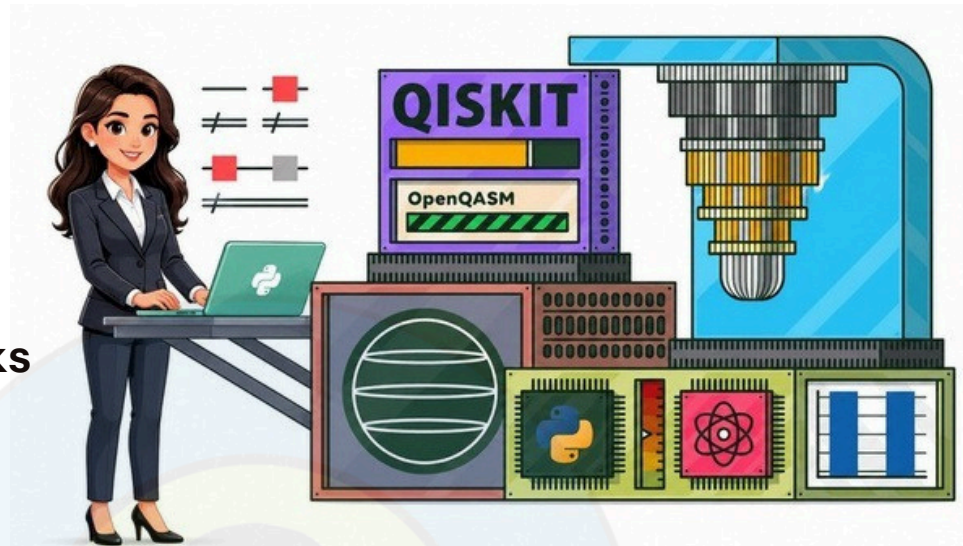
NumPy

Quantum Frameworks

Qiskit

Cirq

PennyLane



MODULE-23. QISKIT FOR QUANTUM QA (Core Module)

Circuits & Measurements

Gates

Visualization

Quantum Gates

X, Y, Z, H

CNOT, SWAP, Phase

Simulation

Aer

Statevector

IBMQQuantum Cloud



MODULE-24. QUANTUM TESTING CONCEPTS

- Functional Testing
 - Black Box Testing
 - Quantum Circuits

- Noise & Fidelity
 - Decoherence
 - Gate Errors
 - Measurement Errors
 - Gate Fidelity

- Performance Testing
 - Circuit Depth
 - Gate Count
 - Execution Time

- Regression Testing

- Advanced Testing
 - VQE & QAOA
 - Quantum ML Testing



MODULE 25

Ready for job

Build a strong resume, practice interviews, and get placement support to kickstart your career confidently.



LEARN THE SKILLS BUILD REAL PROJECTS. GET INTERVIEW READY



RESUME BUILDING



MOCK INTERVIEWS



Q&A SESSIONS



HR INTERVIEW QUESTIONS



PLACEMENT ASSISTANCE

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Our Recent Placed Students



At **Coding Masters**, our faculty team comprises talented and experienced professionals with several decades of real-world industry experience. Our teaching style is tailored to meet industry requirements, ensuring no wasted effort or opportunity for learners. We are dedicated to empowering aspiring professionals with the skills they need to excel in the ever-evolving tech landscape. Known for offering the best **AI & GENAI TESTING training in Hyderabad**, Coding Masters blends innovation, hands-on learning, and industry relevance.

Our mission is to bridge the gap between academic knowledge and industry expectations by providing high-quality training in **AI & GENAI TESTING**, AI, Machine Learning, and more. Guided by experts like **Subba Raju Sir**, every student receives personalized mentorship and a transformative learning experience.