GenX Institute

Bridging Education To Industry

Python Full Stack Development

AI- integrated Program

3 Months Intensive Training + 2 Months Internship

IBM   Microsoft

![GenX Institute logo]

Welcome To GenX

GenX Institute is built for one purpose —
to create job-ready developers, not certificate holders.

Students work on real projects, follow professional coding practices, and use modern tools that are actually used in software companies today.
Here, you don't just learn how code works —
you learn how developers work. With a hands-on, project-first approach, students gain confidence, problem-solving skills, and real development exposure. This is not classroom learning.This is real developer training.

Strong Placement Network& partnerships

Industry Experts Mentors

Real-world development mindset

Project-based learning model

GenX
INSTITUTE

What you'll
Master

Full Stack Application Development

Python for Real-World Development

Frontend Engineering

BackendAPI Development

Database & Data Handling

Deployment & Development Workflow

Problem-Solving as a Developer

Professional Coding Mindset

GenX
INSTITUTE

Why join
GenX institute?

Industry-Oriented Curriculum

GenX Institute provides a job-oriented, industry-aligned curriculum that focuses on practical, real-world skills rather than just theory

Hands-On Practical Training

The institute focuses on real-world projects, labs, and case studies to build practical experience and job-ready confidence.

Experienced Trainers & Mentorship

Experienced faculty and industry experts provide continuous guidance and career mentoring.

Career Support & PlacementAssistance

Career guidance, interview training, and placement support ensure a smooth transition to employment.

GenX INSTITUTE

DAY 1-3

Full Stack Foundations &Setup

- Introduction to Full Stack Development
- Client–Server Architecture
- Frontend, Backend & Database concepts
- Python, VS Code & Django environment setup
- First Django project & workflow understanding

DAY 4-15

Python Programming fundamental

- Python basics, syntax & logic building
- Data types, operators & control statements
- Functions & modules
- Object-Oriented Programming (OOP)
- File handling & exception handling

Hands-on coding + mini Python project

DAY 16-25

Frontend Development (HTML, CSS, JavaScript)

- HTML structure, forms & layouts
- CSS styling & responsive design
- JavaScript basics & DOM manipulation
- Client-side validation

Mini Project: Responsive Website

DAY 26-35

React Frontend Development

- React fundamentals & JSX
- Components, props & state
- Hooks & routing
- API integration & form handling

Mini Project: React Application

DAY 36-48

Backend Development (Django)

- Django MVT architecture
- URLs, views & templates
- Models, ORM & database integration
- Authentication & CRUD operations

Mini Project: Django Web Application

DAY 49-54

Database Management

- SQL fundamentals & schema design
- MySQL / SQLite
- ORM queries & optimization

GenX INSTITUTE

DAY 55-57

Version Control & Collabration

- Git fundamentals
- GitHub workflow
- Branching & team collaboration

DAY 58-60

Deployment & DevOps basics

- Docker fundamentals
- Containerizing applications
- Full stack deployment workflow

DAY 61-65

Capstone full stck Project

- End-to-end application development
- Frontend + Backend + Database
- Deployment, review & evaluation

INDUSTRY INTERNSHIP PROGRAM – 2 MONTHS (8 WEEKS)

INTERNSHIP OVERVIEW

After completing the 3-month intensive Full Stack Development training, students will enter a structured industry internship designed to convert skills into real-world experience.

INTERNSHIP FOCUSES ON

- Live project exposure
- Team-based development

- Industry coding standards
- Professional workflows used in tech companies

GenX
INSTITUTE

TOOLS & TECHNOLOGIES COVERED

Python | Django | React | HTML | CSS | JavaScript
MySQL / SQLite | Git & GitHub | Docker | REST APIs
(Aligned with your existing module structure)

PROGRAM SUMMARY

- PROGRAM DURATION: 5 MONTHS
- 3 MONTHS INTENSIVE TRAINING
- 2 MONTHS INDUSTRY INTERNSHIP
- TRAINING MODEL: 20% THEORY | 80% PRACTICAL
- PROJECT-DRIVEN LEARNING APPROACH

INDUSTRY-RECOGNIZED CERTIFICATIONS

IBM   Microsoft

Course completion certificate from
GenX Institute

COURSE DETAILS

Location ; kochi ,kerala
Duration : 3 month
+ 2 month internship
Time : Monday to Saturday
dayily 3hr + projects

Follow Us On

+91 8089559192
www.genxinstitute.in