



Gain freedom in Programing with Python + Django

Course Duration: 3 Months

- Real People
- Real Classrooms
- Real-time Projects

Manikanta Kona

CEO, Digital-Lync



He shares a belief that education goes beyond classrooms and certifications which is why he started Digital Lync to help people in developing distinctive skill sets.

He solidly believes that the future belongs to those who can think, access, configure and implement end to end technologies.

“*I have a burning desire to empower people and make them realize their potential. Living by this passion keeps me content everyday.*”

About Digital Lync

- Digital Lync is the most credible organization where students can skill, upskill and reskill themselves.
- With 7 years of experience, we have upended the technical education system by emphasizing on disruptive technologies.
- We have trained over 25000+ students spanning across Cloud, DevOps, Full Stack and Salesforce.
- **Physical and Virtual Classrooms**
- **Real-time Labs and Assignments**
- **Live Projects with Industry Partners**
- **Job & Interview Assistance**
- **24/7 Support & Mentorship**
- **Immediate Internships & Placements**

The Future with PYTHON + DJANGO



Why learn Python + Django?

- Provides high paying jobs.
- Fastens career growth.
- Mitigates software failures.
- Enables faster application releases.
- Keeps you at top.
- Transforms you into valuable assets.

What can you get learning Python+Django?

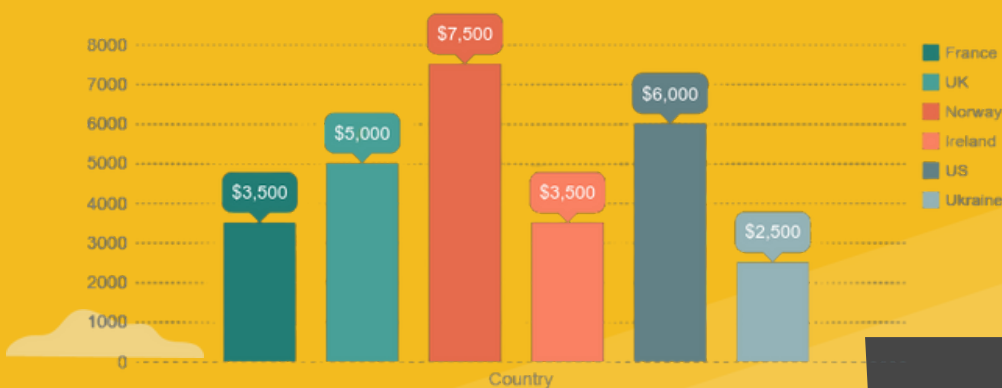


WHY


PYTHON
+
Django

01	Simplicity
02	Large Community
03	High Demand-Supply Ratio
04	Large Number of Frameworks
05	Chosen Language for AI and ML
06	Make your own DIYs

Highest Paying Global Career



Why become a Python + Django Specialist?



Can be learned by anyone

A fresher or someone with the basic Linux and Scripting knowledge can learn Cloud DevOps with an ease.



Fancy salary packages

Professionals in Cloud DevOps are paid fairly well everywhere.



Easier access to jobs

The demand for Cloud DevOps engineers is higher but the supply is insufficient. So, getting a job soon after completing the course is pretty easier.



Fast Career Growth

Up-scaling yourself is a necessity, especially nowadays when technology is evolving at a rapid pace.



Exposure To Various Trending Tools and Technologies

Cloud DevOps can expose people to several tools ranging from Jenkins, Kubernetes to Docker and Terraform.



Become More Valuable To The Company

Most of the companies for cost optimisation purpose are looking for people with cutting-edge skills.



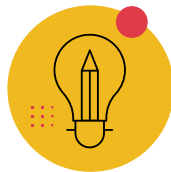
**DON'T WORRY
YOU ARE
AT RIGHT
PLACE**

Why choose Digital Lync?



Superior Infrastructure

Take advantage of the chance to learn from top industry experts and faculties.



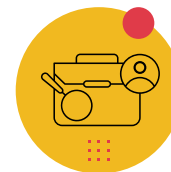
Personalised Curriculum

Unlike understanding of a few topics in Cloud DevOps, our in-depth curriculum gives you end-to-end knowledge.



24/7 Mentor Support

Live lectures or hangouts with subject-matter experts, discussion forums, and Q&A to answer your questions and reinforce learning are all available.



Access and Networking

The expanded networks along with the support team provide you access to the world of full-fledged jobs.



Multifaceted Development with Real-time Projects

Exploration of case studies that give a real understanding of the challenges faced by renowned organisations in the tech space and can also be able to apply what they have during live lectures.



Job-Assistance and Resume Building.

Providing assistance to prepare people for the job while grooming them personally and professionally. While we are at it, helping them build attractive resumes.



Meet the team

Digital Lync



Manikanta Kona

CEO, Digital Lync

Experienced Technologist with a demonstrated history of working in Technology, Management and Education.



Ravi Krishna

Technical Director, Cloud DevOps

Experienced Technical Architect with immense knowledge in leading various innovative Java Development and AWS Cloud projects.



Sai Kumar

Technical Director, Full Stack

Experienced Full Stack Technical Architect with an outstanding exposure of working in the Information Technology and Services industries.



Bala Krishna

Program Manager

Experienced Technical Architect with extensive experience of managing a wide range of projects across different industries through end to end development cycles.



Course Structure

LIVE Classes

Attend LIVE sessions by industry experts.

Recorded Videos

Learn through pre-recorded videos from industry leaders.

Teaching Assistance

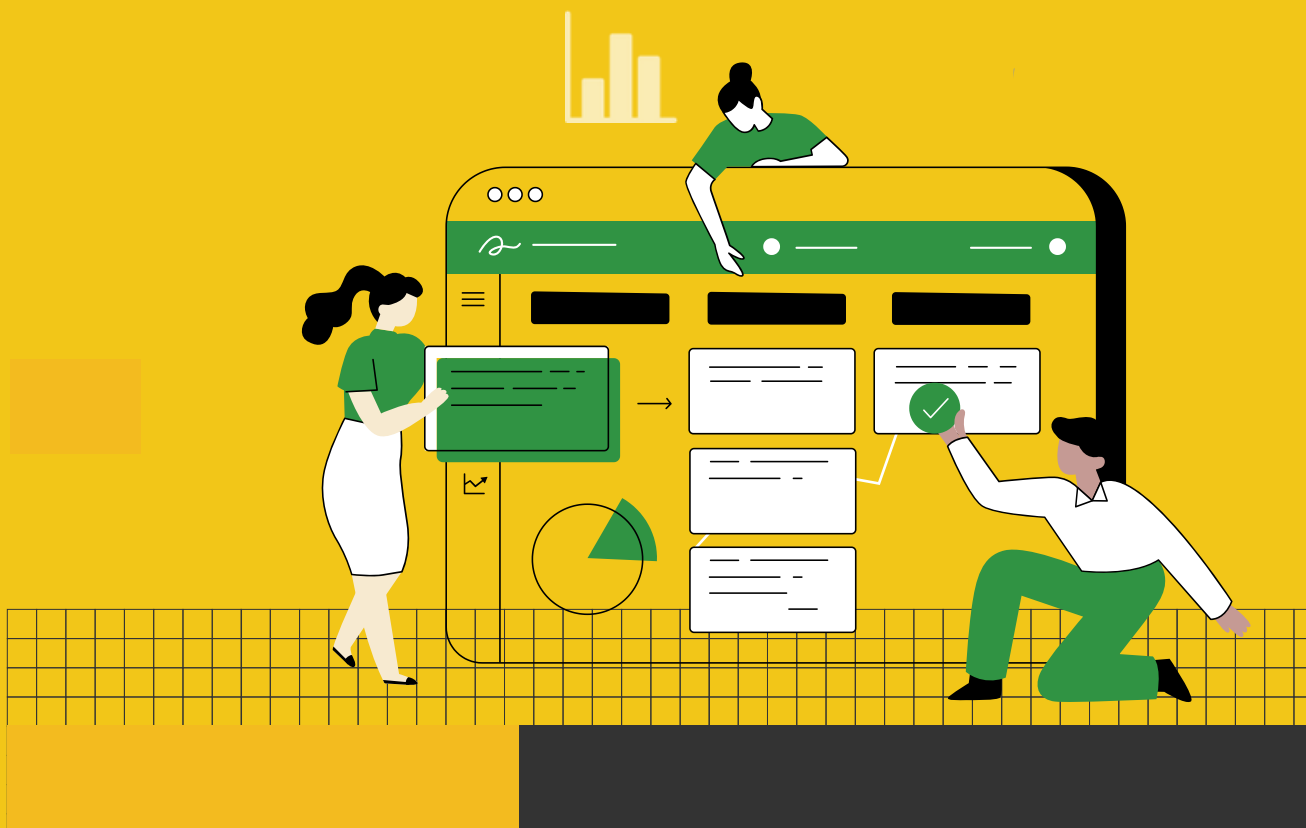
Practical and interactive doubt clearing sessions, project sessions, etc.

Real-time projects

First-hand experience through development and implementation of projects across different verticals

Relative Internships

Advanced internship that enhances networking and resource value.



PYTHON

1 Fundamentals of SDLC

- Web Application Architecture
- Web Technologies
- Web Technologies used in Projects

2 Introduction to SDLC/ALM

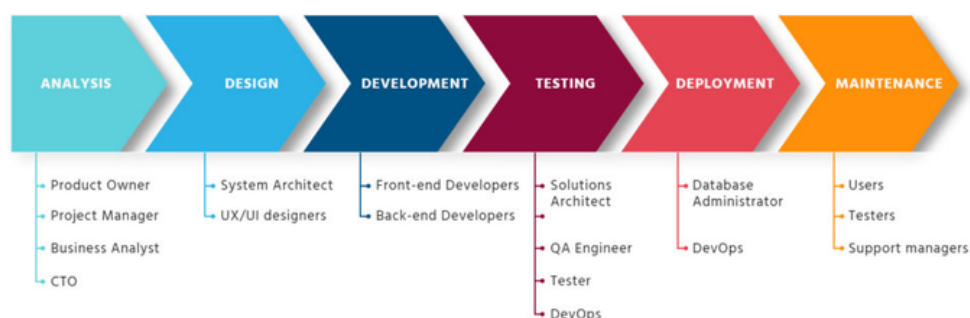
- What is SLDC?
- SDLC Methodologies
- Waterfall Methodology
- Agile Methodology
- Scrum Framework

3 Essentials Technologies of SDLC

- What is DevOps?
- What is Cloud, SAAS, IAAS, PAAS?
- What is Testing?

4 Execution of SDLC

- Analysis: Azure Boards, Jira.
- Design: Photoshop, Illustrator, Figma
- Development Front End Technologies, Back End Technologies, Databases and Frameworks
- Introduction to Azure DevOps
- Code Management: Azure Repos, Git and Git Hub.
- Testing Release: Test Plans
- Deployment and Maintenance: CI/CD Pipelines



Python

1 Basics of Python Programming

- Motivation & Applicability to various domains , Installation & Setting up path Input / Output
- Keywords and Identifiers, Variables and Data Types
- Conditional Statements
- Looping, Control flow (along with loops)
- Strings and Features
- String Manipulation , Functions

2 Python Collections and Sequences

- Lists and Features
- List Functions and Examples
- List Comprehension
- Tuple and Features, Functions and Methods Dictionaries
- Working with Dictionaries
- Sets and Frozen sets

3 Working with Collections (Tasks)

- Working with Lists and Tuples
- Working with Dictionaries
- Working with Sets and Frozen Sets

4 Functional Programming

- Types of functions
- Function Arguments
- Anonymous functions
- Exception Handling
- Try & finally clause User Defined Exceptions

5 File Handling

- File operations Part – 1
- File operations Part – 2

6 Modules and Packages

- Modules
- Importing module
- Packages
- Math, Random and OS module

7 Classes and Oops in Python

- Classes
- Objects
- Constructors and Destructors
- Types of Methods

8 Oops in Python

- Inheritance
- Polymorphism
- Magic methods
- Operator Overloading
- Data hiding (Abstraction)
- Encapsulation

9 Database Programming with Python

- Introduction of MySQL
- Connections and Queries
- PISQL / MySQL
- Multithreading
- Regular expressions

10 Github Version Control

- Creating a Repository
- Files State
- Commit and undo Commit
- File Removing
- File Merging
- Git Remove, PULL, PUSH, CLONE

11 Exception Handling in Python

- Exception Handling
- Try & finally clause User-Defined Exceptions

12 Python for Data Science

- Numpy
- Pandas
- Matplotlib Seaborn
- Jupyter Notebook

13 Python with Django

- Django Web Frame Work
- Features of Django
- Installing Django
- MVC model
- Views
- URL Mapping

14 Python with Flask

- Flask Web Frame Work
- Working with venv
- Installing Flask
- Creating a Flask app
- HTTP GET and POST Request Methods in Flask Flask Folder Hierarchy

15 Advanced Python

- TKinter GUI programming
- Web Scraping

Django

1 Introduction to Django

- History of Django
- Overview of Django MVT Architecture

2 Python with Django - Installation and Set Up

- Installing Python
- Django Setup
- Introduction to IDE (PyCharm) Introduction to PIP
- Starting a new project
- Django Admin Interface

3 Routing/Connections

- URL's
- Regular Expressions (RegEx)

4 Views

- Class Based Views
- Form Based Views
- Built-in Generic Views
- Context & Render
- Adding Bootstrap to Django

5 Templates

- Template Variables & Expressions
- Types of Templates
- HTML Templates
- eMail Templates
- Text Templates
- Custom Forms
- AJAX with Django

6 Models

- DataBase Engines
- Creating DataBase schema
- Types of Fields
- Models and Admin Linkup
- Migrations

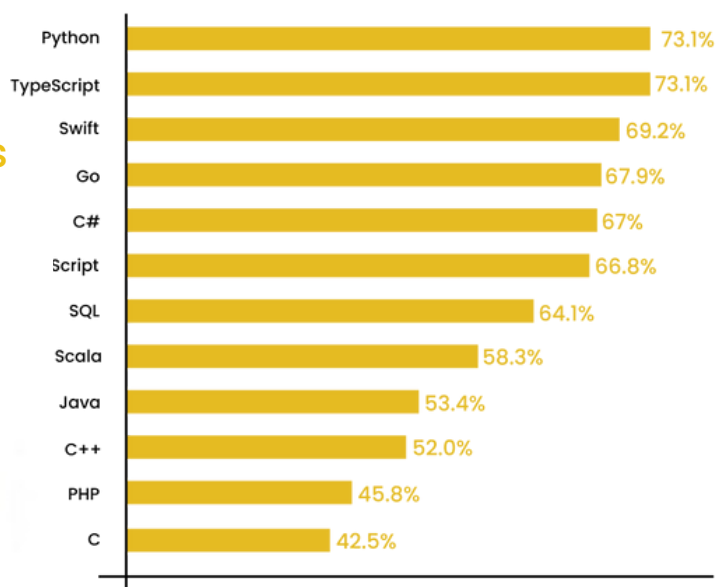
7 Settings and Databases

- Overview of Middlewares and Content Processors
- DataBase Configuration
- Server Configuration
- Internationalisation
- Configuring Static Files
- Difference between Application and Project

8 Database Programming with Python

- Django REST Framework
- Installation
- Testing REST Framework
- Django REST Components

Future of Python & Django Popularity w.r.t other Coding Languages



Real Time Projects



Cricket Technology Platform – CricClubs

CricClubs is one of the leading cricket technology platforms which helps all the stakeholders of cricket. Once after the project is done, you will be equipped with extensive knowledge of automated deployment using CI/CD pipeline.

Stacks Used: Python, Django

Author: Ganesh Nallapareddy **Director:** Sai Kumar **Duration:** 8 Hours



Learning Management System – LearnUva

LearnUva offers the best professional LMS made to cater to industry requirements. LMS is built with State of Art technology. The project contains multiple activities such as automating infrastructure deployment, configuring and implementing CI/CD pipeline, and designing monitoring solutions.

Stacks Used: Python, Django

Author: Manikanta Kona **Director:** Bala Hanumanthu **Duration:** 8 Hours



Build and Deploy Salesforce Like CRM – Kona CRM

CRM stands for “customer relationship management” and it’s software that stores customer contact information. Using tools like Terraform, guidelines will be set for naming conventions, service plan levels, deployment locations and code repos.

Stacks Used: HTML5, CSS3, Material UI, Redux Thunk, Redux Saga, React Router, React Hooks, ES6, ReactJS, Redux.

Author: Manikanta Kona **Director:** Manideep Moturi **Duration:** 8 Hours



Raw Material Selling Platform – iDecr

iDecr is a one-stop platform that’s designed to provide raw materials from all brands to shape up the interiors. This project can be deployed using Azure cloud and DevOps tools like Jenkins, Docker and Kubernetes.

Stacks Used: Python, Django

Author: Manikanta Kona **Director:** Manideep Moturi **Duration:** 8 Hours



Tools and Platforms

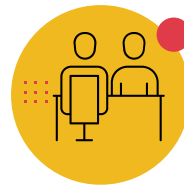


Placement and Career Assistance



Refine your CV

Before you attend an interview, an impressive CV can help you introduce yourself to the field. We offer industry professionals' critical criticism and help you build to ensure that your resume stands out.



Access to our Job Portal

Here are some ways to boost your likelihood of obtaining an interview by with a potential employer three-fold.



Professional Grooming

Mock interviews with industry experts is the key to preparedness for you to face the employers in the real world with confidence.



Apply for job offers

You can secure a job after 3-6 months of enrollment with us through our hassle-free process.



Pick what's best for you

Talk to our experts to identify the best-suited career opportunities for you.



Program Details

Course starts

Please refer to the website for program start dates

Duration

45 Days Training + 3 Months Internship

Fee structure

Please refer to the website.

Program hours

100+ Learning Hours and additional Internship duration.

For admissions, contact

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Digital Lync

