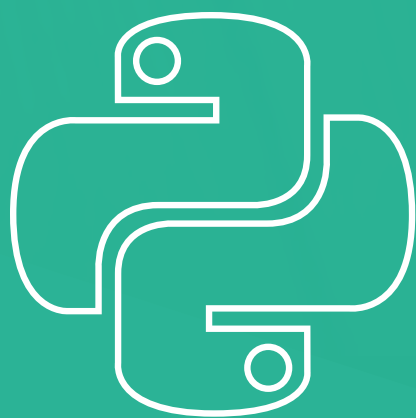


Python



Python



Digital Lync

EDUCATION - INNOVATION - INCUBATION

01

Welcome To

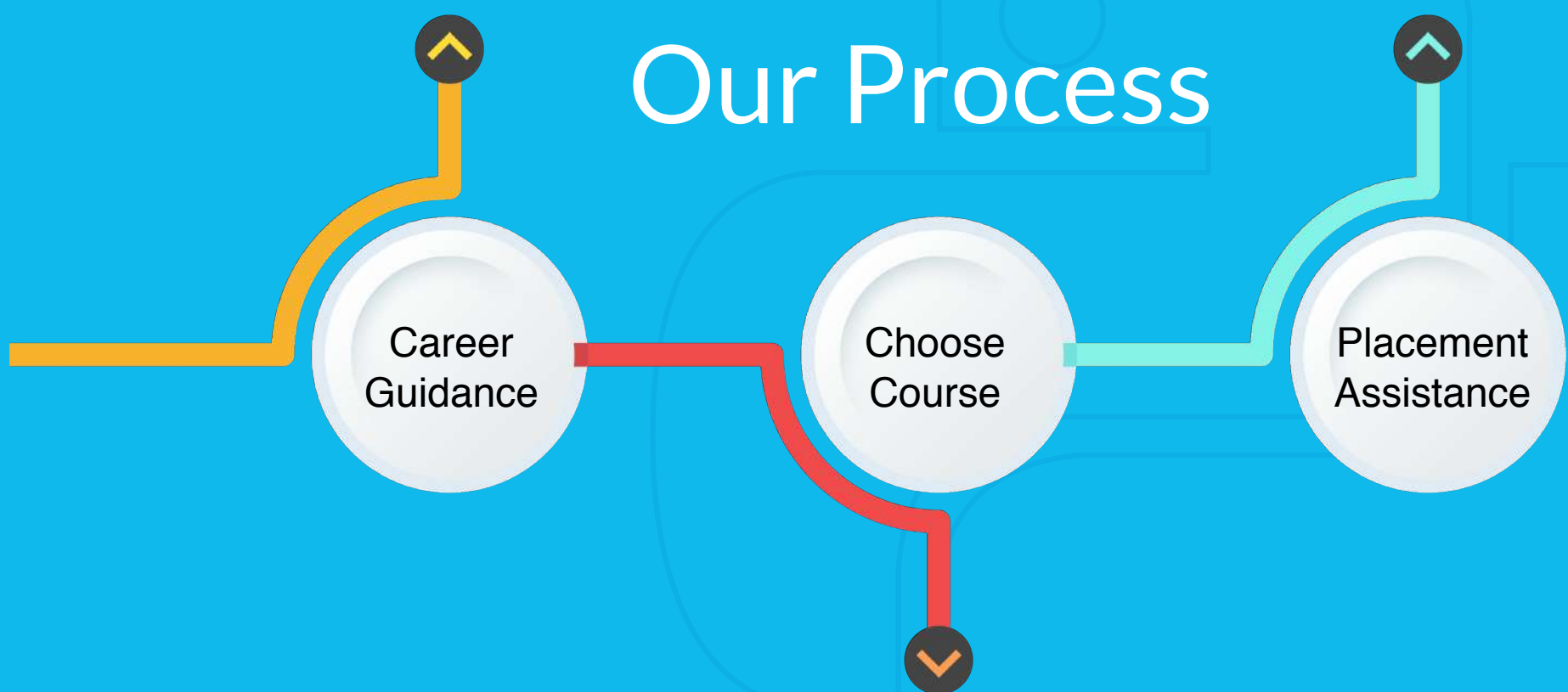
Digital Lync

Digital Lync empowers technology seekers by providing world class infrastructure, best quality project based technology education, Research and Development of great products and supports enthusiastic new entrepreneurs.

Expert counsellor advises to match your skills with trending technologies in the industry.

We are a link to your awesome future! We recognize, enhance and present your skills to the coolest companies.

Our Process



You pick and we guide. We mentor you all along and help you throughout your learning process.

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Python

Python is a high level programming language which has integrated, dynamic semantics to support application and web development. It can be used to make games, do data analysis, control robot and hardware. It is even used to create GUIs and websites.

WHAT YOU NEED TO KNOW

- Basic knowledge of Computer Science.

Why Python?

Python is the most preferred programming language in Data Science. It tops the popularity list and is the most desired skill set.

CAREER

OPPORTUNITIES

Python Developer
Web Developer(django, Flask)



02 Python Curriculum

MODULE 1: INTRODUCTION

- Motivation & Applicability to various domains
- Installation & Setting up path
- Interactive shells & IDE's
- Keywords and Identifiers

MODULE 2: VARIABLES AND DATA TYPES

- Numbers
- Operators
- Reading data from keyboard
- String Manipulation
- Accessing Strings
- Basic Operations
- String slices

MODULE 3: CONDITIONAL STATEMENTS

- If - else
- If-elif- else
- Nested if-else

MODULE 4: CONTROL FLOW

- For
- While
- Nested loops
- Break
- Continue
- Pass

MODULE 5: LISTS

- Introduction
- Accessing List
- Operations
- List Comprehension
- Function and Methods

MODULE 6: CONTROL FLOW

- Introduction
- Accessing Tuples
- Operations
- Working & Tuple Comprehension
- Functions and Methods

MODULE 7: DICTIONARIES

- Introduction
- Accessing values in Dictionaries
- Working with Dictionaries
- Properties
- Functions and Methods

MODULE 8 : SETS

- Introduction
- Accessing values in Sets
- Working with Sets
- Functions and Methods

MODULE 9 : FUNCTIONS

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions

MODULE 10 : MODULES

- Importing module
- Math module
- Random module
- Packages

MODULE 11 : INPUT AND OUTPUT

- Output formatting
- Files operations
- Files Functions

MODULE 12 : OOPS CONCEPT

- Classes and Objects
- Types of Methods
- Inheritance
- Polymorphism
- Data hiding (Abstraction)
- Encapsulation

MODULE 13 : EXCEPTION HANDLING

- Except clause
- Try & finally clause
- User Defined Exceptions

MODULE 14 : DATABASE PROGRAMMING

- Introduction
- Connections
- Working with queries

MODULE 15 : DEV TOOLS

- Intro to Git basics
- Virtual Environments
- Managing Packages with Pip

MODULE 16 : REGULAR EXPRESSIONS

- Need & Necessity of RE
- Patterns
- Matching & Searching
- Grouping Operations
- Modifiers

MODULE 17 : MULTITHREADING

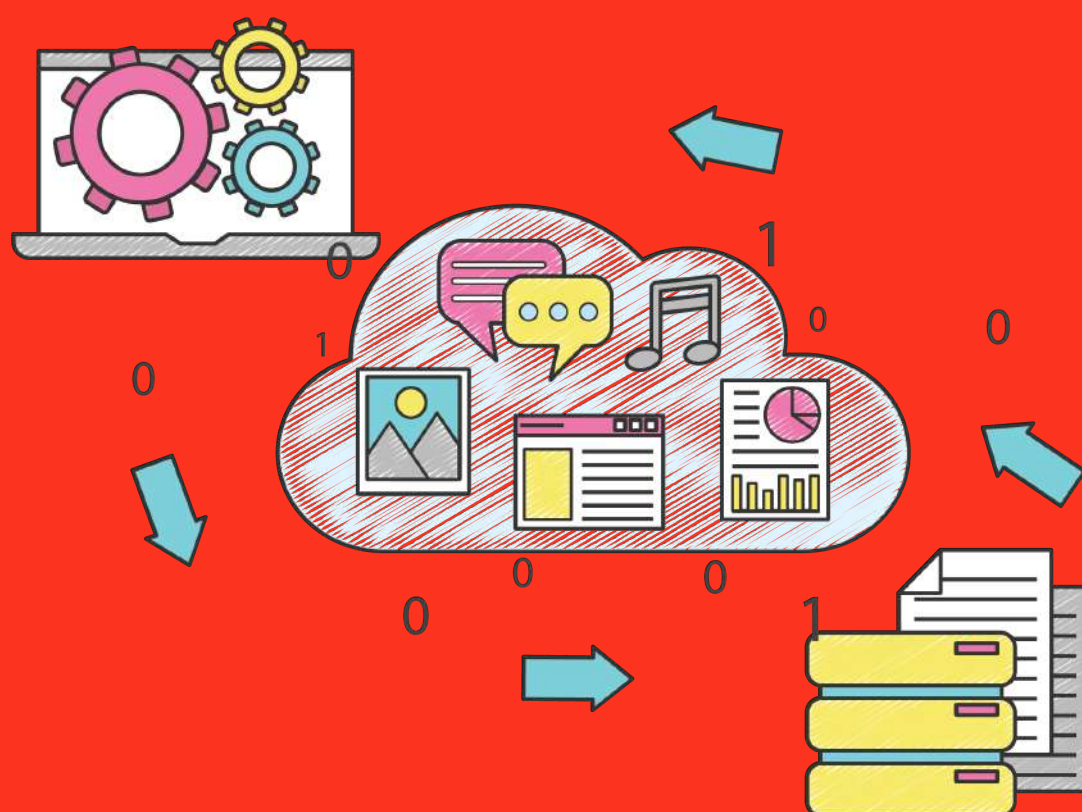
- Thread
- Starting a thread
- Threading module
- Threads Multithreaded
- Priority Queue

03 Python

Project : 1

WEBSCRAPING & SENTIMENT ANALYSIS

Bored of watching same old award shows? Feel that the movie that won the award is actually not at all deserving? Feel that these award shows are paid? Well, why not make your own jury system. Analyse all the user reviews from different websites like IMDB, BookMyShow, Rotten Tomatoes etc. and find out the movie of the year. Not only this, apply the same thing and find the best cricket team, best player, best bowler, batsman etc. All these things in our Python project of WebScraping & Sentiment Analysis.



Project : 2

A MULTIPAGE FUNCTIONAL WEBSITE (PYTHON + DJANGO)

Python along with django is used in this POC .
Use case is developed by using the core functionality of
django auth module and a simple blogging site is made.
It involves both admin templated and custom templated
website. Login functionality with django forms is also
involved in this process.



04

Why

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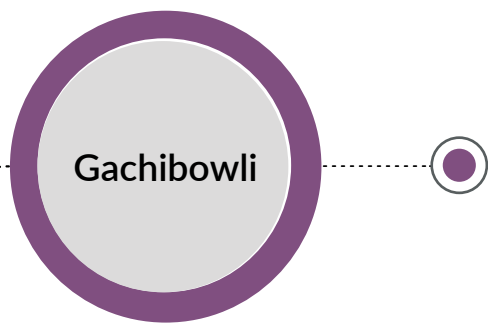
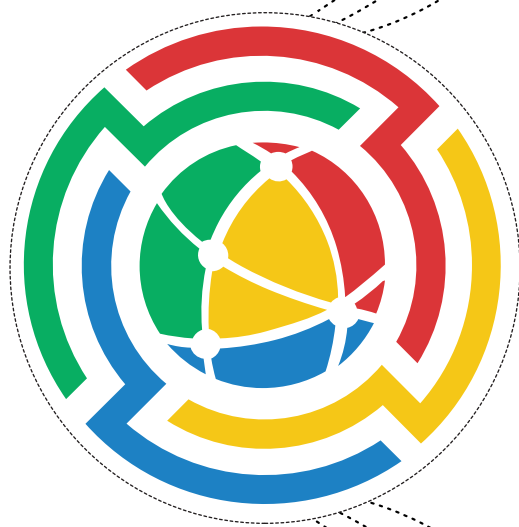
Trending

Technology

Python
Devops
AWS
Azure (Cloud Computing)
Data Sciences
Deep Learning
Artificial Intelligence
Data Analysis
Big Data
Full Stack
Digital Marketing
Mobile Development
Blockchain
Visual Design
Game Development
IOT
Cyber Security

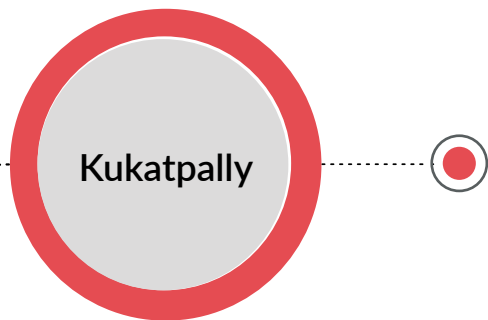
DL

BRANCHES



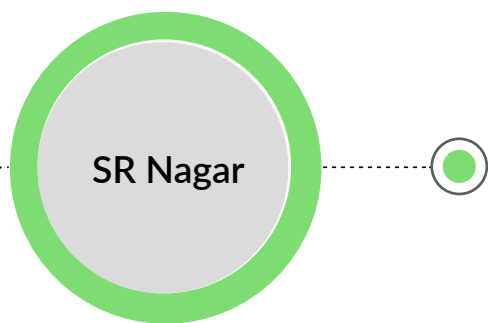
Gachibowli

Khajaguda, Naga Hills Rd,
Madhura Nagar Colony,
Gachibowli, Hyderabad.



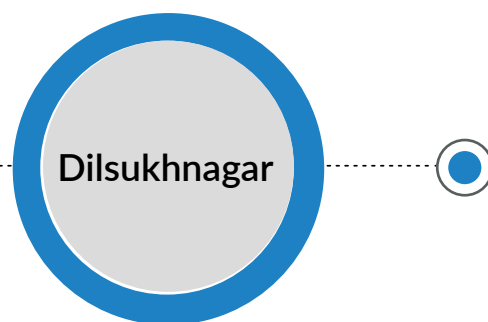
Kukatpally

Manjeera Trinity Corporate,
1st floor, office no. 106 & 107,
Kukatpally, Hyderabad.



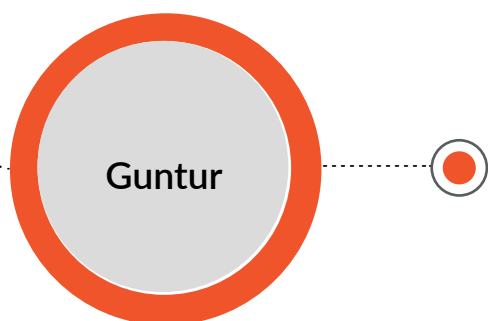
SR Nagar

31/A , Chitti Classics, Adjacent to
SR Nagar Police Station Signal,
Balkampet Main Road,Hyderabad.



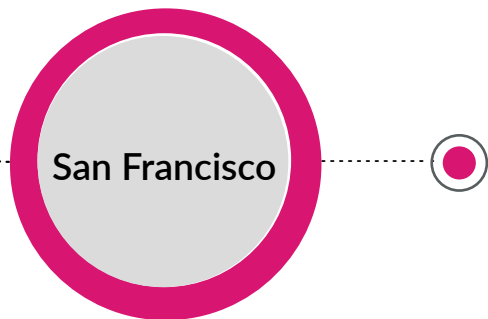
Dilsukhnagar

Near Telephone Colony Arch,
Yashoda Speciality Clinic
Building 3rd floor,
Kothapet, Hyderabad.



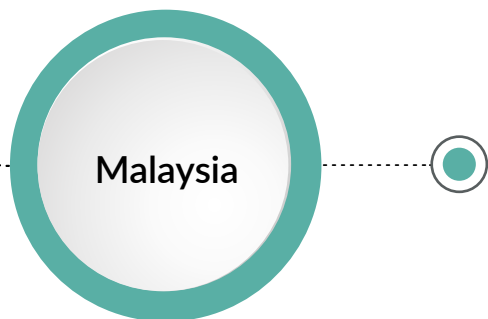
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Chandramouli Nagar,
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