



Python Full-Stack

Empower Your Development Journey

Master Python full-stack

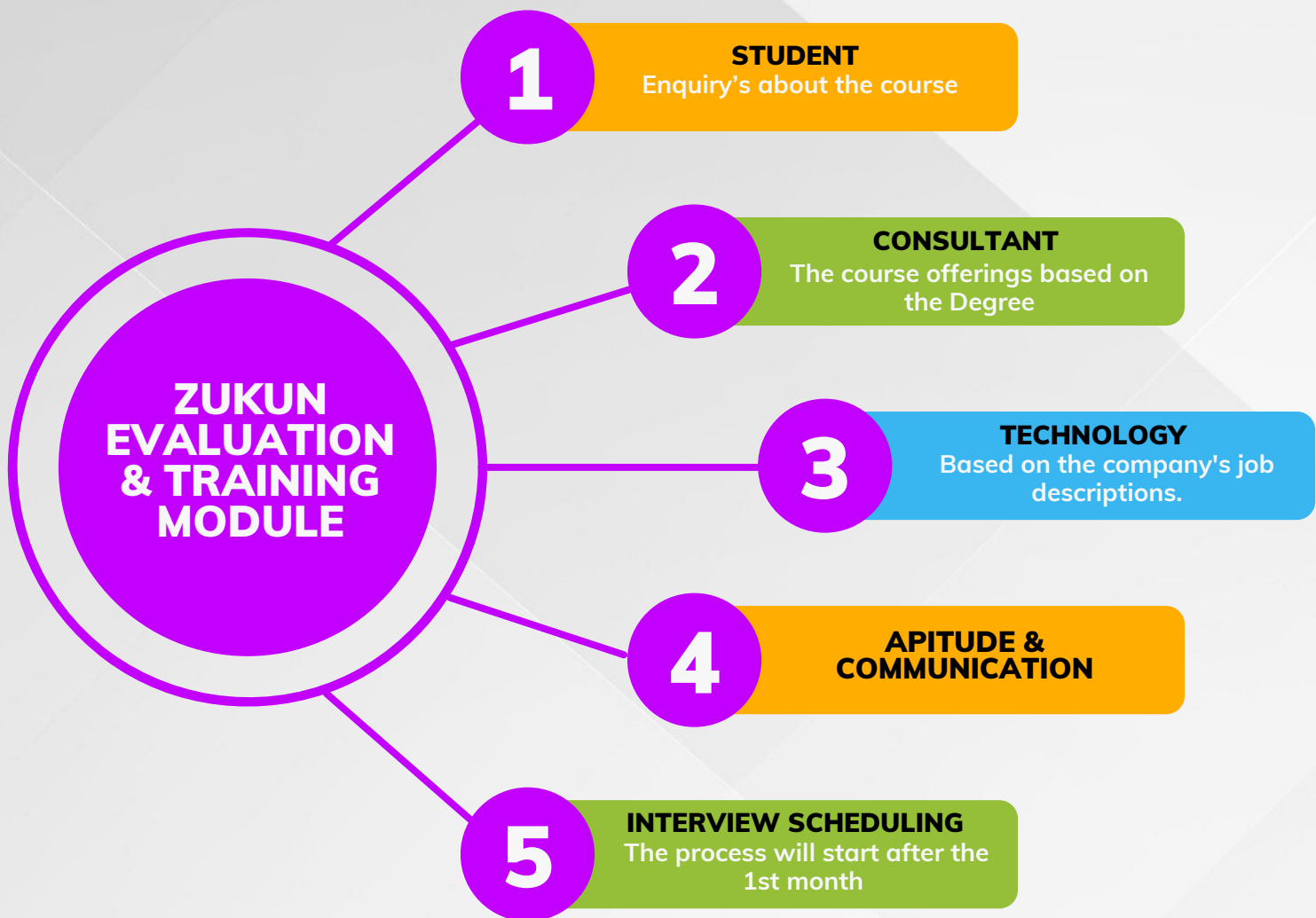




OUR PROMISES



TRAINING MODULE



PLACEMENT MODULE



1

RESUME BUILDING

2

**JOB PORTALS
OPTIMIZATION**

3

**TECHNICAL, APTITUDE,
AND COMMUNICATION
ASSESSMENT.**

4

**INTERVIEW
SCHEDULING**

5

GET PLACED



Module-01

Front End

HTML

- Introduction to HTML
- Basic Structure of HTML
- HTML Editors
- HTML Tags Paragraphs, Headings
- Text Formatting Tags
- HTML Lists
- HTML Images
- HTML Tables
- HTML Forms
- HTML Media

Module-02

CSS

- Introduction to CSS
- Types of CSS
- CSS Properties
- Selectors and Values
- Applying CSS to HTML
- CSS colors



- CSS Box Model, Margins, Padding, Borders
- CSS Text & Font Formats
- CSS Advanced Topics

Module-03

JavaScript

- Introduction to JavaScript
- How to Apply JavaScript
- Displaying Output in JavaScript
- Understanding JavaScript Syntax
- Variables & Data types Operators
- Math and String Manipulations
- Conditional and looping Statements
- Functions
- Validations
- Events

Module-04

JQuery

- Introduction to jQuery
- jQuery Features
- jQuery Syntax
- jQuery Selectors



- jQuery Libraries
- jQuery Validation
- jQuery Slideshow
- JQuery Dropdown
- jQuery UI
- jQuery Accordions
- jQuery Tabs

Module-05

Bootstrap

- Introduction to Bootstrap
- Bootstrap Setup
- Bootstrap Containers
- Bootstrap Grids
- Bootstrap Tables
- Bootstrap Buttons, Navbars, Alerts
- Bootstrap Carousel
- Bootstrap Forms

Module-06

Angular JS

- Introduction to Angular
- Environment Setup
- Installing Angular CLI
- Directory Structure of Angular



- Angular Fundamentals
- Angular Building Blocks
- Angular Data Binding
- String Interpolation
- Directives and Pipes
- Forms
- Routing

Module-07

React JS

- Introduction to React & JSX
- React Components
- JSX
- Flux
- Event Handling In React
- Creating a Dynamic UI in React
- Integration with Other Libraries
- React Server Integration & Deployment

Module-08

BACKEND

Python Introduction

- What is Python
- features of Python



- Install Python and Environment Setup
- First Python Program
- Python Identifiers, Keywords and Indentation.
- Comments and document Command-line
- arguments
- Getting User Input
- Python Data Types
- What are variables?
- Python Core objects and Functions

Module-09

Control Statements

- If-Else Statement
- While Loop
- For Loop
- Break
- Continue
- Assert
- Pass
- Return

Module-10

List, Ranges and Tuples in PYTHON

- Introduction
- Lists in Python



- More about Lists
- Understanding Iterator's
- Generators, Comprehensions and Lambda Expressions
- Generators and Yield
- Next and Ranges
- Understanding and using Ranges
- More About Ranges
- Ordered Sets with tuples

Module-11

Python Dictionaries and Sets

- Introduction to the section
- Python Dictionaries
- More On Dictionaries
- Sets
- Python Sets Examples
- Input and Output in Python
- Reading and writing text files
- Appending to Files and Challenges
- Writing Binary Files Manually
- Using Pickle to Write Binary Files



Module-12

Python Built-In Functions

- Python user defined functions
- Python packages functions.
- Defining and calling functions
- The anonymous functions
- Loops and statements in Python
- Python Modules & Packages

Module-13

Python Object Oriented

- Overview of OOP
- Constructor
- Types of variables
- Name spaces
- Creating classes and objects
- Inheritance
- Types of methods
- Instance methods
- Static methods
- Class methods
- Abstract classes and interfaces
- Abstract methods and abstract class
- Interface in python
- Abstract classes and interfaces



Module-14

Exception

- Errors in Python
- Compile-Time Errors
- Runtime Errors
- Logical Errors
- What is Exception?
- Handling an exception
- Argument of an Exception
- Python Standard Exceptions
- Raising an exceptions
- User-Defined Exceptions

Module-15

Python Regular Expressions

- What are regular expressions?
- The math Function
- The Search Function
- Matching vs searching
- Search and Replace
- Extended Regular Expressions



Module-16

Python Multithreaded Programming

- What is multi threading
- Thread Synchronization Locks & Semaphore
Deadlock of Threads
- Avoiding Deadlocks Daemon Threads Using
Databases in Python
- Python MySQL Database
- Access Install the MySQL db
- Other Packages
- Create Database Connection
- CREATE, INSERT, READ Operation
- DML and DDL Operation with Databases
- Data Visualization Section Matplotlib Pandas

Module-17

Django Web Framework in Python

- Django overview
- Creating a project
- Apps life cycle
- Admin interface
- Creating views
- URL Mapping



- Template system
- Models
- Form details
- Testing
- Page redirection
- Sending Emails
- Deploying Django framework
- Form processing
- File uploading
- Cookie handling
- Sessions, caching and comments
- Sending Emails
- Github , Big bucket

Module-18

Database

- Database handling with Mysql
- Python mysql database access
- Create database connection
- DML and DDL operations with databases
- Performing transactions
- Handling database errors
- Disconnecting database



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