



RajaRajeswari Group of
Institutions Center for Test and Data
Sciences



SelectSmart Activity Report

On

Python Lecture Series FY 21-22

By

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ector,

X-Value Technologies, Chennai

Conducted on: **22-Nov-2021**

Via: Zoom Meetings/YouTube

ActivityName	PythonFundamentalsanditsApplications
ActivityType	Lecture
ConductedBy	CTDSBangalore

About ISERT lectures

ISERT conducts series of lectures from Industry and Academic experts. These lectures are scheduled for 40 hours spread over 2-3 months of time. This enables the beneficiaries to grasp the subject thoroughly over a period of time.

PYTHON PROGRAM

Python is a computer programming language used for **build websites and software, automate tasks, and conduct data analysis**. This high-impact programme will enable you to effectively drive innovation, growth, and customer experience with a cutting-edge curriculum and enriching insights from ISERT.

Program Highlights

- Learn from industrial experts
- Experience high-impact live online learning and explore real-world case studies
- Gain industry-oriented insights from eminent industry experts
- Participate in peer-to-peer learning and expand your professional network
- Receive successful completion certificate in Design Thinking and Innovation from company and ISERT

Learning Outcomes

- To understand why Python is a useful scripting language for developers.
- To learn how to design and program Python applications.
- To learn how to use lists, tuples, and dictionaries in Python programs.
- To learn how to identify Python object types.
- To learn how to use indexing and slicing to access data in Python programs.
- To define the structure and components of a Python program.
- To learn how to write loops and decision statements in Python.
- To learn how to write functions and pass arguments in Python.
- To learn how to build and package Python modules for reusability.
- To learn how to read and write files in Python.
- To learn how to design object-oriented programs with Python classes.

- To learn how to use class inheritance in Python for reusability.
- To learn how to use exception handling in Python applications for error handling

ProgramCoordinator

- Tech enthusiast with technology degree.
- Having good experience in various technologies and programming languages.
- Possess good experience in training and mentoring various types of target audience.

Developed a unique pedagogy to deliver the concept efficiently with More on practical sessions than theory knowledge.

Program Modules

- Overview
- Environment Setup
- Basic Concepts
- Basic Operators in Python
- Loops and Decision Making
- IO Operations
- Modules & Packages
- File IO operations
- Exceptions
- Object Oriented Programming

Miscellaneous

Video Link of the Activity: https://youtu.be/JFjbKGTKW_

MentorProfile:



MR. PRASAD
DIRECTOR,
X-VALUE TECHNOLOGIES

- ❖ Dedicated, service oriented Software Development Professional with an appetite for training and mentoring
- ❖ Self organised individual with excellent communication and technical skills.
- ❖ Extensive experience in various technologies like Linux/Python /HTML/CSS/aws/DevOps.