

ESC CLASSROOM TRAINING - 2018

Curriculum Framework for PYTHON Training

Main Topic	Week	Sub Topic	Sub Topic Duration (Hours)	Total Duration
1.Introduction to Python	Month 1	Installation of Python	2	12
		Using the Python Interpreter IDLE	4	
		Salient Features of Python	4	
		Basic Syntax of Python	2	
2.Using Variables in Python	Month 1	Data Types and Variables	4	20
		Numeric Data Types	4	
		String Data Type	4	
	Month 2	Sequence Data Type	4	
		Dictionary Data Type	4	
3. Basics of Programming in Python	Month 2	Understanding Programs and Programming	4	24
		Using Conditionals	4	
		Using Loops	4	
	Month 3	Using Functions	4	
		Using Functions from Built-in Modules	4	
		Constructing Modules and Packages	4	
		Overview of OOP	2	
		Declaring Class and Creating Object	4	
		Understanding Inheritance	4	
4. Principles of Object-oriented Programming (OOP)	Month 4	Using Magic Methods	2	14
5. Connecting to SQLite Database	Month 4	Introduction to SQL	4	20
		Creating an SQLite database	8	
		Accessing SQLite Database through Python	8	
6. Developing a GUI with PyQt	Month 5	GUI and Event driven programming	4	20
		Qt Designer	4	
		Using Common Widgets	4	
		Geometry Management	4	
		Designing Menu Systems	4	
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1. Introduction to Python

- Installation of Python
- Using the Python Interpreter IDLE
- Salient Features of Python
- Basic Syntax of Python

2. Using Variables in Python

- Data Types and Variables
- Numeric Data Types
- String Data Type
- Sequence Data Type
- Dictionary Data Type

3. Basics of Programming in Python

- Understanding Programs and Programming
- Using Conditionals
- Using Loops
- Using Functions
- Using Functions from Built-in Modules
- Constructing Modules and Packages

4. Principles of Object-oriented Programming (OOP)

- Overview of OOP
- Declaring Class and Creating Object
- Understanding Inheritance
- Using Magic Methods

5. Connecting to SQLite Database

- Introduction to SQL
- Creating an SQLite database
- Accessing SQLite Database through Python

6. Developing a GUI with PyQT

- GUI and Event driven programming
- Qt Designer



**Andhra Pradesh State
Skill Development Corporation**

- Using Common Widgets
- Geometry Management
- Designing Menu Systems

Name	Start Date	End Date
N.MADHURI	10-07-2019	31-01-2020
bondi.mutyalamma	10-07-2019	31-01-2020
R.Mounika	10-07-2019	31-01-2020
miska.chandrika	10-07-2019	31-01-2020
VASUPILLI SARASWATHI	10-07-2019	31-01-2020
Allu Swapna	10-07-2019	31-01-2020
K.PARAMESWARI	10-07-2019	31-01-2020
GOWRISWARI KORADA	10-07-2019	31-01-2020
CHINNARI UTTARAVILLI	10-07-2019	31-01-2020
BHANU JAYA SREE CHANDI	10-07-2019	31-01-2020
RAMANAMMA VARADAPUREDDY	10-07-2019	31-01-2020
vEERNI Bhanu prasanna	10-07-2019	31-01-2020
Gavara Bhagyasri	10-07-2019	31-01-2020
Gatreddy indravathi	10-07-2019	31-01-2020
Donthala Aswini	10-07-2019	31-01-2020
Sunkara.Nagamani	10-07-2019	31-01-2020
Nadupuri Anuradha	10-07-2019	31-01-2020
POTNURU KEERTHI	10-07-2019	31-01-2020
P.YERUKULAMMA	10-07-2019	31-01-2020
Sunamudhi Deepika Sahu	10-07-2019	31-01-2020
Reddy Gayathri	10-07-2019	31-01-2020
CH.YERRITHALLI URMILA	10-07-2019	31-01-2020
Duddu Venkata Lakshmi	10-07-2019	31-01-2020
Dodda Rijutha	10-07-2019	31-01-2020
GAYATHRI REDDY	10-07-2019	31-01-2020
Pasalapudi Sai Lakshmi	10-07-2019	31-01-2020
RADHIKA KHANDAPU	10-07-2019	31-01-2020
GANNERU. KUSUMA	10-07-2019	31-01-2020
Kottapu Anusha	10-07-2019	31-01-2020
Pilla Padma	10-07-2019	31-01-2020
SRAVANA SANDHYA RANI YERAS	10-07-2019	31-01-2020
singamsetti.jhansi	10-07-2019	31-01-2020
PRASANTHI NETALA	10-07-2019	31-01-2020
Thalabathula.bhargavi	10-07-2019	31-01-2020
Sanapathi.Swarupa	10-07-2019	31-01-2020
P.APARNA	10-07-2019	31-01-2020
Korupolu.Venkatalakshmi	10-07-2019	31-01-2020
S.DIVYA	10-07-2019	31-01-2020
GAYATHRI PEDIREDLA	10-07-2019	31-01-2020
H.KAVYA	10-07-2019	31-01-2020
K.REVATHI	10-07-2019	31-01-2020
BHARATHI KILLADA	10-07-2019	31-01-2020
Vechalapu.Rohini	10-07-2019	31-01-2020