

START DATE: _____
 STUDENT NAME: _____

Python Event Calendar
 (CS/IT)

Total Duration: 48Hrs
 MONTH: _____

STUDENT TRANSFER TO _____

TRAINER: _____

TRANSFER DATE: _____

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
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28	29	30	31					

COURSE CONTENT							
SL. NO.	SESSIONS	Date	Sign	Date	Sign	Date	Sign
1.	Python 3 – Variable Types Assigning Values to Variables Multiple Assignment Standard Data Types Python Numbers Python Strings Python Lists Python Tuples Python Dictionary Data Type Conversion						
2.	Python 3 – Basic Operators Types of Operator Python Arithmetic Operators Python Comparison Operators Python Assignment Operators Python Bitwise Operators Python Logical Operators Python Membership Operators Python Identity Operators Python Operators Precedence						
3.	Python 3 – Decision Making IF Statement IF...ELIF...ELSE Statements Nested IF Statements Single Statement Suites						
4.	Python 3 – Loops while Loop Statements						

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	for Loop Statements Nested loops Loop Control Statements break statement continue Statement pass Statement Iterator and Generator						
5.	Python 3 – Strings Accessing Values in Strings Updating Strings Escape Characters String Special Operators String Formatting Operator Triple Quotes Unicode String String capitalize() Method String center() Method String count() Method String decode() Method String encode() Method String endswith() Method String expandtabs() Method String find() Method String index() Method String isalnum() Method String isalpha() Method String isdigit() Method String islower() Method String isnumeric() Method String isspace() Method String istitle() Method String isupper() Method						

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	<p>String join() Method</p> <p>String len() Method</p> <p>String ljust() Method</p> <p>String lower() Method</p> <p>String lstrip() Method</p> <p>String maketrans() Method</p> <p>String max() Method</p> <p>String min() Method</p> <p>String replace() Method</p> <p>String rfind() Method</p> <p>String rindex() Method</p> <p>String rjust() Method</p> <p>String rstrip() Method</p> <p>String split() Method</p> <p>String splitlines() Method</p> <p>String startswith() Method</p> <p>String strip() Method</p> <p>String swapcase() Method</p> <p>String title() Method</p> <p>String translate() Method</p> <p>String upper() Method</p> <p>String zfill() Method</p> <p>String isdecimal() Method</p>						
6.	<p>Python 3 – Lists</p> <p>Python Lists</p> <p>Accessing Values in Lists</p> <p>Updating Lists</p> <p>Delete List Elements</p> <p>Basic List Operations</p> <p>Indexing, Slicing and Matrixes</p> <p>Built-in List Functions & Methods</p> <p>List len() Method</p>						

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	<p>List max() Method</p> <p>List min() Method</p> <p>List list() Method</p> <p>List append() Method</p> <p>List count() Method</p> <p>List extend() Method</p> <p>List index() Method</p> <p>List insert() Method</p> <p>List pop() Method</p> <p>List remove() Method</p> <p>List reverse() Method</p> <p>List sort() Method</p>						
7.	<p>Python 3 – Tuples</p> <p>Accessing Values in Tuples</p> <p>Updating Tuples</p> <p>Delete Tuple Elements</p> <p>Basic Tuples Operations</p> <p>Indexing, Slicing, and Matrixes</p> <p>No Enclosing Delimiters</p> <p>Built-in Tuple Functions</p> <p>Tuple len() Method</p> <p>Tuple max() Method</p> <p>Tuple min() Method</p> <p>Tuple tuple() Method</p>						
8.	<p>Python 3 – Dictionary</p> <p>Accessing Values in Dictionary</p> <p>Updating Dictionary</p> <p>Delete Dictionary Elements</p> <p>Properties of Dictionary Keys</p> <p>Built-in Dictionary Functions & Methods</p> <p>Dictionary len() Method</p> <p>Dictionary str() Method</p>						

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	<p>Dictionary type() Method</p> <p>Dictionary clear() Method</p> <p>Dictionary copy() Method</p> <p>Dictionary fromkeys() Method</p> <p>Dictionary get() Method</p> <p>Dictionary items() Method</p> <p>Dictionary keys() Method</p> <p>Dictionary setdefault() Method</p> <p>Dictionary update() Method</p> <p>Dictionary values() Method</p>						
9.	<p>Python 3 – Functions</p> <p>Defining a Function</p> <p>Calling a Function</p> <p>Pass by Reference vs Value</p> <p>Function Arguments</p> <p>Required Arguments</p> <p>Keyword Arguments</p> <p>Default Arguments</p> <p>Variable-length Arguments</p> <p>The Anonymous Functions</p> <p>The return Statement</p> <p>Global vs. Local variables</p>						
10.	<p>Python 3 – Modules</p> <p>The import Statement</p> <p>The from...import Statement</p> <p>The from...import * Statement</p> <p>Executing Modules as Scripts</p> <p>Locating Modules</p> <p>The PYTHONPATH Variable</p> <p>Namespaces and Scoping</p> <p>The dir() Function</p> <p>The globals() and locals() Functions</p>						

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	The reload() Function Packages in Python						
11.	Python 3 – Exceptions Handling Standard Exceptions Assertions in Python What is Exception? Handling an Exception The except Clause with No Exceptions The except Clause with Multiple Exceptions The try-finally Clause Argument of an Exception Raising an Exception User-Defined Exceptions						
12.	PYTHON 3 – ADVANCED TUTORIAL Python 3 – Object Oriented Overview of OOP Terminology Creating Classes Creating Instance Objects Accessing Attributes Built-In Class Attributes Destroying Objects (Garbage Collection) Class Inheritance Overriding Methods Base Overloading Methods Overloading Operators Data Hiding						
13.	Python 3 – MySQL Database Access What is PyMySQL ? How do I Install PyMySQL? Database Connection Creating Database Table INSERT Operation						

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	<p>READ Operation Update Operation DELETE Operation Performing Transactions COMMIT Operation ROLLBACK Operation Disconnecting Database Handling Errors</p>						
14.	<p>Python 3 – Multithreaded Programming Starting a New Thread The Threading Module Creating Thread Using Threading Module Synchronizing Threads Multithreaded Priority Queue</p>						
15.	<p>Python 3 – GUI Programming (Tkinter) Tkinter Programming Tkinter Widgets Tkinter Button Tkinter Canvas Tkinter Checkbutton Tkinter Entry Tkinter Frame Tkinter Label Tkinter Listbox Tkinter Menubutton Tkinter Menu Tkinter Message Tkinter Radiobutton Tkinter Scale Tkinter Scrollbar Tkinter Text Tkinter Toplevel</p>						

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	Tkinter Spinbox Tkinter PanedWindow Tkinter LabelFrame Tkinter tkMessageBox Standard Attributes Tkinter Dimensions Tkinter Colors Tkinter Fonts Tkinter Anchors Tkinter Relief styles Tkinter Bitmaps Tkinter Cursors Geometry Management Tkinter pack() Method Tkinter grid() Method Tkinter place() Method						
16.	Practice Sessions						
17.	Practice Sessions						
18.	Practice Sessions						
19.	Final Output and Delivery.....						