



## Program Description Document

S.No	Course Details	Content
1.	<b>Course Title*</b>	Python
2.	<b>Aim and objective of the course*</b>	At the end of this Course, the participants will be able to: <ul style="list-style-type: none"> <li>• Master the fundamentals of Python</li> <li>• Work with Lists and Tuples</li> <li>• Write Python functions for reusability</li> <li>• Work with JSON data</li> <li>• Use Python to Read and Write MS Excel file</li> </ul>
3.	<b>Course Launch Date*</b>	February 1st
4.	<b>Duration*</b>	4 weeks
5.	<b>Number of Modules *</b>	4
6.	<b>Course Instruction Hours*</b> (Estimated)	56 hours
7.	<b>Domain *</b> (Computer Science, Electrical, Core Science, Physics, Basic accounting, Human Resources, Banking, Music, Photography)	Computer Science
8.	<b>Subject *</b> (Mathematics, Science, Carnatic Music, Fitness, Programming Language)	Programming
9.	<b>Course Target Audience *</b> (Primary school, High School, Under-graduate, General population, Managers, etc)	Under-graduate, Professionals
10.	<b>Course Representation Image*</b> (jpg, png, jpeg, gif of dimension Width: 210px Height: 150px)	
11.	<b>Name of Author*</b>	Mr. Arun Prakash
12.	<b>About the Author*</b>	Arun Prakash is the Founder and CTO of GUVI. He has 15+ years of experience in the IT industry and worked with top companies like Honeywell, Paypal, Symantec etc.
13.	<b>Author Portrait*</b> (jpg, png, jpeg, gif) Width: 210px Height: 135px)	
14.	<b>Course Outline (Syllabus)*</b>	<ul style="list-style-type: none"> <li>• Why to use python ?</li> <li>• Python IDE</li> <li>• Hello World Program in Python</li> <li>• Numbers And Math functions</li> <li>• Common Errors in Python</li> <li>• Assignment 1</li> <li>• Final Quiz</li> <li>• Variables &amp; Names</li> <li>• String basics</li> </ul>

## Python Course on Multiple Languages

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|  | <ul style="list-style-type: none"><li>• Conditional statements</li><li>• Assignment 2</li><li>• Functions</li><li>• For and While (loop)</li><li>• Final Quiz</li><li>• Assignment 3</li><li>• Functions as arguments</li><li>• List, Tuple and Dictionaries</li><li>• List Comprehension</li><li>• Assignment 4</li><li>• File handling</li><li>• Debugging elements breakpoints watch and step in</li><li>• Debugging step in step out</li><li>• Assignment 5</li><li>• Debugging watch variables</li><li>• Class and Objects</li><li>• Final Quiz</li><li>• Assignment 6</li><li>• Lambda, Filter and Map</li><li>• Python pip</li><li>• Read Excel Data in Python</li><li>• Python MySQL</li><li>• Assignment 7</li><li>• Iterators</li><li>• Pickling</li><li>• Python Json</li></ul> |
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