

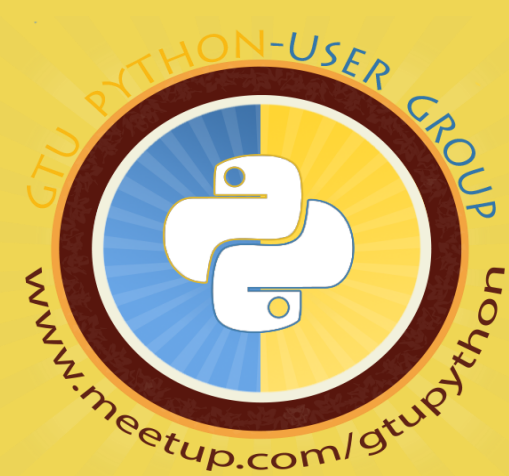


GTU OSTC

Open Source Technologies Club

GUJARAT TECHNOLOGICAL UNIVERSITY

OPEN SOURCE TECHNOLOGIES CLUB (OSTC)



Three Days Workshop on Python

Gujarat Technological University's Open Source Technologies Club has created GTU Python User Group (<http://www.meetup.com/gtupython/>) under which various Python Workshops organized successfully. Again GTU OSTC Organize Three Days Workshop on Python during 21/08/2015 to 23/08/2015.

Interested Students/OSTC Co-Ordinators are invited to attend this workshop.

Date: 21st- 22nd- 23rd August 2015

Time: 10:30am to 5:00pm

Venue: GTU,2nd Floor, ACPC Building, LDCE Campus, Navrangpura, Ahmedabad

Experts: Manoranjan Padhy -Organizer, Python Developers Baroda
Harsh Dattani—Organizer, Python Developers Baroda and Co-Organizer, GDG Baroda

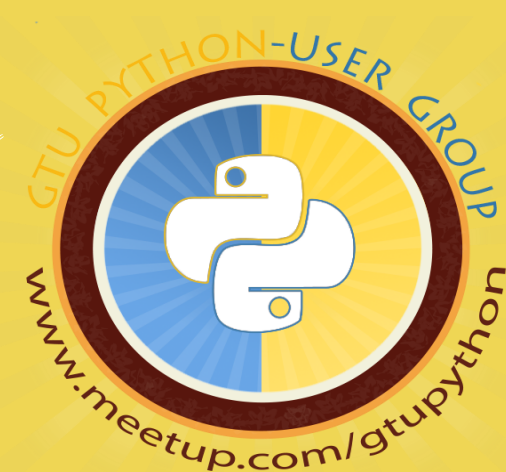


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Day 1(21.08.2015)	Day 2(22.08.2015)	Day 3(23.08.2015)
<u>Basics of Python</u>	<u>Libraries in Python</u>	<u>Internet of Things</u>
Introduction to Python. Different versions of Python	Introduction to Web Libraries in Python	Introduction to Internet of Things
Why use Python and Where it is used?	Overview of Django, Web2Py, TurboGears and WebApp2	Overview of RaspberryPi and Intel Galileo Boards
How to launch and run Python by different methods	Developing web services using Django	Overview of how Python and RaspberryPi are deeply associated
Quick walk through of Data Types and basic of Python	Introduction to NoSQL	Developing Applications based on RaspberryPi Boards related to IoT
Classes, Error Handling, Algorithmic Complexities	Introduction to MongoDB	Brief overview of future prospects of such application and advancements
Iterators, generators and context managers.	Installing, configuring and developing on MongoDB	Introduction to Machine Learning
Dealing with File Systems	Building a full web application using Django + MongoDB	How Machine Learning and Python are deeply associated
Interactive exercise along with hand's on sessions	Introduction to Network Libraries in Python	Discussion of potential IoT ideas that can be implemented practically as well as discussion on applications developed by the attendees in the 3 days and doubt solving.
	Introduction to Twisted Library for networking	Lightning Talk
	Installing, configuring and developing using Twisted in Python	
	Various Network Anomalies in Python and their solution	
	Interactive exercise along with hand's on sessions	

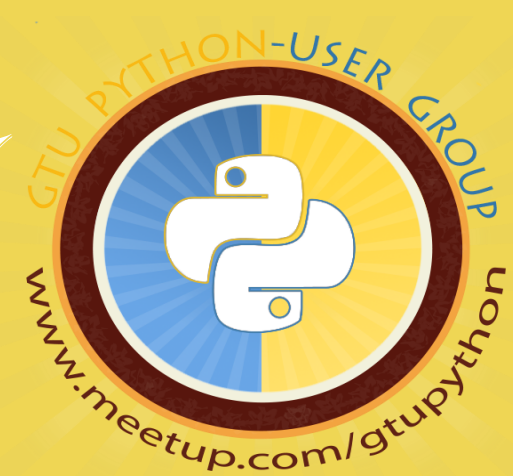


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This Workshop will be a complete hands on session starting with a little presentation in the beginning, through out the session focus on each and every participant attending the workshop is intended so that goal of learning Python and its practical implementation is fulfilled.

Prerequisites: 1.) Laptop with Python 2.7 and GitHub(<https://windows.github.com/>) installed. Linux and Mac users already have Python and Github installed in their PCs.

2.) Basic Knowledge of Object Oriented Concepts

IMP NOTE: Once the installation is done open terminal and type 'Python', if it gives an error then Python is not properly installed and do the same thing to check for Git also by typing Git in terminal.

Interested Students/Faculties can apply online for this Workshop. Fees: No fees for GTU Students/Faculties.

Register online at: <http://tinyurl.com/GTUPython>

Since limited seats are available, Kindly register at the earliest. Apply before 18/08/2015, 5:00PM. Selected Participants will get confirmation by email on or before 19/08/2015, 5:00PM. Participants are advice to bring their Laptop with pre-installed Python and Github. All those Participants who will be not able to install, experts will help them into the installation process.

For any query, kindly contact:

Ms. Toral Vandara at Email: gtu.opensource@gmail.com Phone: 079-23267527/9712943161

Ms. Dhvani Sanghvi at ra_dhwani@gtu.edu.in