

About Python Workshop and PyLadies:

Gujarat Technological University's Open Source Technologies Club has created *GTU Python User Group* (<http://www.meetup.com/gtupython/>). GTU Python User Group is a unique initiative by GTU for all OSTCs to build a python community around their club.

Two Days Python Workshop will cover an intense 13-hour curriculum designed to give beginners complete, basic programming skills to use in their studies with a focus on data science applications. Participants will learn the Python programming language through lectures and activities.

This Workshop will be a complete hands on session starting with a little presentation in the beginning, though out the session, experts will focus on each and every participant attending so that their goal of learning Python can fulfilled.



PyLadies :

An international mentorship group with a focus on helping more women become active participants and leaders in the Python open-source community. GTU OSTC will start "PyLadies Gujarat" which may be first ever group in Gujarat in which Girls students /Female Faculty Members of GTU will get a platform .



GTU OSTC
Open Source Technologies Club



GUJARAT TECHNOLOGICAL UNIVERSITY

Open Source Technologies Club

Organize

*Inauguration of
PyLadies
On
8th January 2016
and
Two Days Python Workshop
on
9th-10th January 2016
at*

GTU, 1st Floor, **Block No. 6**,
Nr. Boys Hostel Gate,
LDCE Campus, Navrangpura, Ahmedabad

Students and Faculty Members from GTU Affiliated Colleges are invited to participate in this workshop. Details of the workshop are as follow:

Inauguration of PyLadies will be on 8th Jan 2016, in which GTU wants that maximum girls students/ Female Faculty Members should participant.

Date : 8th - 9th and 10th January 2016

Time: 10.30AM to 6:00PM

Fees : No fees for Students/Faculty Members from GTU affiliated Colleges'

Registration Link:

<https://goo.gl/OooJ92>

Last Date for Registration:

5th January 2016 till 5:00pm

Since only 50 seats are available, please register at the earliest. Selected Participants will get confirmation by email on 6th January 2016

Workshop Experts:

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

EVENT ITINERARY:

Prerequisites: Laptop with Python 2.7.X
(<https://www.python.org/ftp/python/2.7.9/python-2.7.9.msi>)

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

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

08-01-2016 (FRIDAY)

Session Details

- ◆ The Concept of PyLadies.
- ◆ The Mechanism and Motive of PyLadies.
- ◆ Introduction to Python. Different versions of Python.
- ◆ Why use Python and Where it is used ?
- ◆ How to launch and run Python by different methods.
- ◆ Lightning Talks.

09-01-2016 (Saturday)

Session Details

- ◆ Introduction
- ◆ Why use Python and Where it is used ?
- ◆ How to launch and run Python by different methods.
- ◆ Learning usage of Variables, Expressions and Statements in Python. This will be followed by a coding task to fetch user input via dialog box resulting into the first basic program in Python.
- ◆ Learning the requirement and coding of a Function in Python. This will be followed by implementation of function in the program created earlier.
- ◆ Learning usage of Iterations and Strings.

COLLABRATING & CODING TASK

- ◆ Introduction of GitHub and its importance and how a team can collaborate and work using GitHub. Formulate 10 teams having 5 members in each team to code any application implementing things learned in Python throughout the day using GitHub. Participants will get time till the next day to do so.
- ◆ Lightning Talks.

10-01-2016 (Sunday)

Session Details

- ◆ Reviewing applications designed during Day 1 and giving feedback to the participants for the work done by them and how further it can be improved.
- ◆ Introduction to Libraries in Python. What is the need of it? How to use libraries for various tasks ranging from Web Application to Networking?
- ◆ Usage of Files in Python
- ◆ Networked programs via usage of Python (Simple Python Server, Parsing HTML, Reading binaries) and Network Anomalies.
- ◆ Walk through the Django and Flask Framework of Python for Web and implementation.
- ◆ Using Webservices in Python (JSON, Parsing JSON e.t.c.)
- ◆ Walkthrough and implementation of Scientific and Mathematical libraries in Python i.e. SciPy and MathPy.
- ◆ Reaching out to all the participants and discussing about all the potential issues, conceptual errors and other issues face by them.
- ◆ Lighting Talks/Feedback.

For any query you can contact :

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