# Python Workshop 2018

Electrical Engineering Department IIT Bombay

Ayan Sengupta

https://github.com/ayansengupta17/PythonWorkshop

# Why Python?

## **Todays Plan**

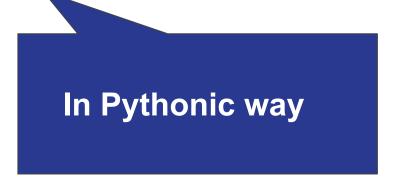
- Syntax, Variables, Numbers
- Operators
  - Arithmetic operators
  - Logical operators
  - Membership operators
  - Identity operators
- Flow Control
  - o If ... else
  - For loop
  - While loop
  - o Break, continue and pass

# **Todays Plan**

- Data types
  - Lists
  - Tuples
  - Set
  - Dictionary
- Functions
  - Function argument
  - Lambda function
  - Local global scope
  - Few built in functions

#### Programs we will be writing

- Detecting Prime numbers
- Detect even , odd number
- Matrix Multiplication
- Transpose of a Matrix
- Simple Calculator



https://github.com/ayansengupta17/PythonWorkshop

## Things that won't be covered

- File handling
- Exception handling
- Object and Class
- Iterator
- Generator
- Assert
- Decorators