



# PYTHON CODE CLUB

Saptarshi Ghosh M.E. , M.Sc.

Marie-Curie Fellow, LSBU

[ghoshs5@lsbu.ac.uk](mailto:ghoshs5@lsbu.ac.uk)



This is a 6-weeks long course with 90 mins sessions per week



The course introduces Python programming language from scratch and covers all essential components of it



Sample programming exercise will be provided, and codes will be shared via Github



Each learner will create a personal github repository to show off codes and assignments



Training will be provided using Anaconda, python distribution .

# Objectives



### **Week 1** : Introduction and Environment setup

Installig an Anaconda and Pycharm ,  
using jupyter notebook, Crating a Github  
profile, Link everything



### **Week 2** : Introduction to data- structures and python native data structures

Lists, Touples, Sets and Dictionaries



### **Week 3** : Introduction to programming and algorithmic constructs using python

If-Else, Loops, Functions



### **Week 4** : Data visualization using matplotlib and seaborn



### **Week 5** : Handling with data using Pandas



### **Week 6** : System Design, how to think as a software engineer?

# Schedule