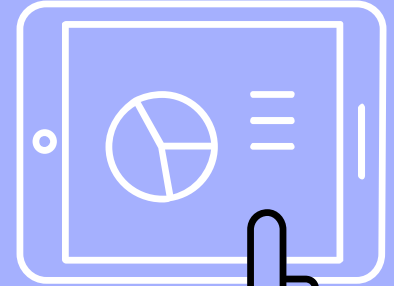
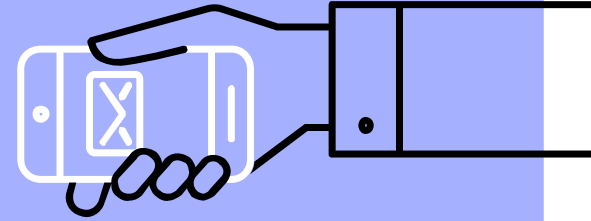
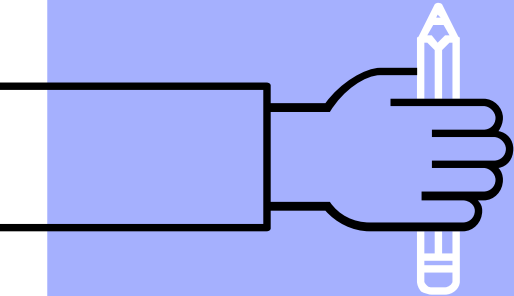
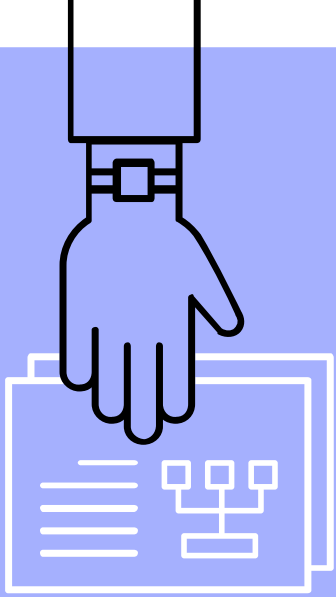




Programming

Introduction & Database

15/1/2023
UTM



Nurul Farahain Mohammad

WORK

Data Scientist
STMicroelectronics Sdn. Bhd.

QUALIFICATION

Ph.D. (Mathematics), UTM
B.Sc. (Mathematics), UTM



- AI-102 & AI-900:
Microsoft Azure AI
- Fusionex Data Science Analyst
- Fusionex Data Engineering

CERTIFICATION



Python Workshops



Logo of International Islamic University Malaysia (IIUM) and the motto "Garden of Knowledge and Virtue".

CEO@FACULTY PROGRAMME 2.0 FELLOW (CYCLE 3) SHARING SESSION

Taaruf on Python 3

COME AND JOIN US!

18.02.2021 (THURSDAY)

11:00 AM-12:00 PM

Kindly Register for CTD & STAR Points
<http://bit.ly/36dgaPG>

Zoom Details
Meeting ID: 964 1720 2920
Passcode: 535699

DR. NURUL FARAHAIN MOHAMMAD
Department of Computational and Theoretical Sciences,
Kulliyah of Science, IIUM

HOSTED BY: OFFICE OF INDUSTRIAL LINKS



Logo of International Islamic University Malaysia (IIUM) and the motto "Garden of Knowledge and Virtue".

CEO@FACULTY PROGRAMME 2.0 FELLOW (CYCLE 3) SHARING SESSION

BEAUTIFUL PLOTS WITH PYTHON

15 April 2021 | Thursday

2:00 PM- 3:00 PM

Kindly Register for CTD and STAR Points
<http://bit.ly/pythonplots>

Office of Industrial Links YouTube Channel
<https://bit.ly/2Piyef8>

Dr. Nurul Farahain Mohammad
Department of Computational and Theoretical Sciences,
Kulliyah of Science, IIUM

Hosted by: Office of Industrial Links



TRAINING AND EDUCATION (SCIENCES) PRESENTS

python

PYTHON WORKSHOP

Syntax
Type of variables
Conditional statements and Loops

MAY 23 • Sunday • 2:30 - 4:30 PM
ZOOM PLATFORM

Starpoints and e-Certificates will be rewarded!

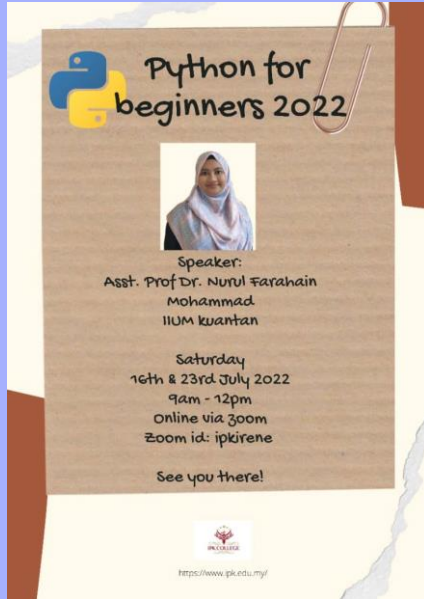
Incorporate Python in T&L of these courses

- Computational Mathematics
- Advanced Mathematical Methods
- Mathematical Methods
- Calculus for Biology

Asst. Prof. Dr. Nurul Farahain Binti Mohammad
Head, Department of Computational & Theoretical Sciences

Scan me to register!

Python Workshops



A poster for a Python workshop. It features a brown background with a Python logo at the top left. The title 'Python for beginners 2022' is written in a casual font. Below the title is a small photo of the speaker, Asst. Prof. Dr. Nurul Farahain Mohammad. The text provides details about the speaker, the date (Saturday 16th & 23rd July 2022), the time (9am - 12pm), and the format (online via zoom). A zoom ID is also provided. The poster is decorated with a paperclip and a torn edge effect.

Python for beginners 2022

Speaker:
Asst. Prof. Dr. Nurul Farahain
Mohammad
IUM kuantan

Saturday
16th & 23rd July 2022
9am - 12pm
Online via zoom
Zoom id: ipkirene

See you there!

<https://www.pk.edu.my/>



A poster for a Python workshop. It features a white background with a small logo at the top center. The title 'PYTHON FOR BEGINNER 2.0' is written in a bold, sans-serif font. Below the title is a photo of the speaker, Asst. Prof. Dr. Nurul Farahain Mohammad. The text provides details about the date (3RD & 10TH SEPT 2022), the day (SATURDAY), the time (9AM - 12 PM), and the format (ONLINE VIA ZOOM). A zoom ID is also provided.

PYTHON FOR BEGINNER 2.0

3RD & 10TH SEPT 2022
SATURDAY
9AM - 12 PM

ASST PROF DR. NURUL FARAHAIN MOHAMMAD
GUEST SPEAKER
ONLINE VIA ZOOM
ZOOM ID: ipkirene



A poster for a short course. It features a purple background with a logo at the top left and a logo at the top right. The title 'KURSUS PENDEK PENGENALAN PERISIAN PYTHON DALAM DATA ANALITIK' is written in a bold, sans-serif font. Below the title is a photo of the speaker, Dr. Nurul Farahain Mohammad. The text provides details about the date (20 SEPTEMBER 2022), the time (9.00 pagi - 5.00 petang), the location (Makmal Komputer WSK 0.5, Fakulti Sains dan Teknologi, Universiti Sains Islam Malaysia (USIM)), and the format (ONLINE VIA ZOOM). A zoom ID is also provided. The poster is decorated with a starburst graphic and a list of benefits.

KURSUS PENDEK PENGENALAN PERISIAN PYTHON DALAM DATA ANALITIK

20 SEPTEMBER 2022 (SELASA)
9.00 pagi - 5.00 petang
Makmal Komputer WSK 0.5, Fakulti Sains dan Teknologi, Universiti Sains Islam Malaysia (USIM)

PAUTAN PENDAFTARAN
<https://forms.gle/zXmX5GadieuINaUM9>

BANK ISLAM MALAYSIA BERHAD
05058010008884
UNIVERSITI SAINS ISLAM MALAYSIA

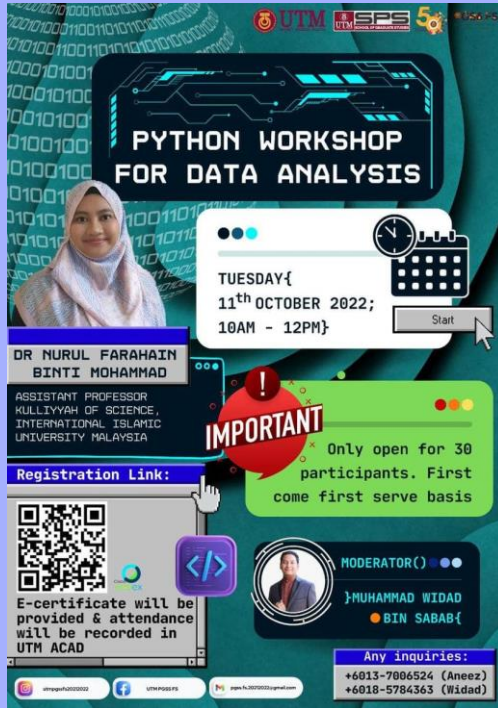
Maklumat lanjut boleh hubungi:
Dr. Hishamuddin: 0125701817
/ Dr. Maslynda 0193857223

DR. NURUL FARAHAIN MOHAMMAD
Department of Computational and Theoretical Sciences,
Kulliyah of Science, IUM

Pada Akhir Bengkel, Peserta Akan Dapat:

- Dapat memahami peraturan dan sintaks yang digunakan dalam Python
- Dapat menulis program asas dalam Python
- Dapat menggunakan alat visualisasi asas dalam Python

Python Workshops



PYTHON WORKSHOP FOR DATA ANALYSIS

DR NURUL FARAHAIN BINTI MOHAMMAD
ASSISTANT PROFESSOR
KULLIYAH OF SCIENCE,
INTERNATIONAL ISLAMIC
UNIVERSITY MALAYSIA

Registration Link:

IMPORTANT
Only open for 30 participants. First come first serve basis

TUESDAY{
11th OCTOBER 2022;
10AM - 12PM}

MODERATOR()
}MUHAMMAD WIDAD
}BIN SABAB{

Any inquiries:
+6013-7086524 (Aneez)
+6018-5784363 (Widad)

E-certificate will be provided & attendance will be recorded in UTM ACAD



PYTHON
FOR DATA ANALYTICS
WORKSHOP 2022

NEW DATE
13.10.2022
9.30 AM- 12 PM
TERATAI LAB,
CTS BUILDING

FEE:
STUDENTS: RM 10
PUBLIC: RM 50

Dr Nurul Farahain Mohammad
Department of Computational and
Theoretical Sciences
Kulliyah of Science

5 rezeki draws to be won by attendees

E-certificate will be provided

SCAN & REGISTER

ORGANIZED BY **SPONSORED BY**

For any enquiries, please contact Dr Hafizah at 0176836301

<https://bit.ly/pythoncts>



UTM 50
UNIVERSITI TEKNOLOGI MALAYSIA

PYTHON PROGRAMMING
INTRODUCTION AND DATABASE

Introduction and simple computation | Plotting using Python | Fundamental database using Python

Assoc. Prof. Dr. Yeak Su Hoe
SENIOR LECTURER
DEPARTMENT OF MATHEMATICAL SCIENCES
FACULTY OF SCIENCE, UTM

Dr. Nurul Farahain Mohammad
DATA SCIENTIST
STMICROELECTRONICS SDN. BHD.

Register now:

Sunday, 15 Jan 2023
8.45 am - 5.00 pm

Online Platform
Cisco Webex

Inquiries:
013-7678687 (Dr Qushairi)

Fees: RM10
Limited to **30 SEATS** only

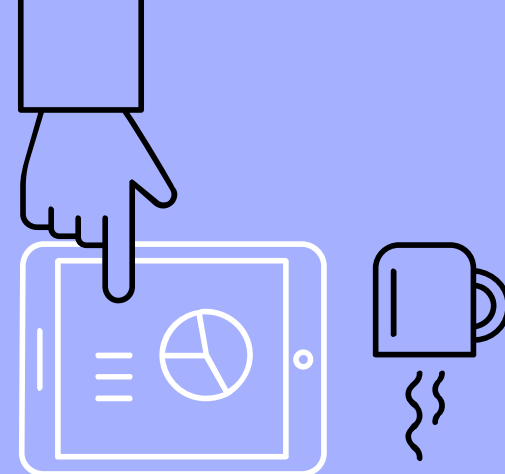
Organized by: Faculty of Science & UTM Career Centre

PYTHON PROGRAMMING INTRODUCTION AND DATABASE

Introduction and simple computation | Plotting using Python | Fundamental database using Python

TIME	AGENDA	SPEAKER
8:45 - 9:00 am	Opening Speech	
9:00 - 10:45 am	Introduction, Simple Computation	Dr. Nurul Farahain Mohammad
10:45 - 11:00 am	Break	
11:00 - 1.00 pm	Plotting using Python	Dr Nurul Farahain Mohammad
2.00 - 3:30 pm	Introduction to Fundamental Database using Python - P1	Assoc. Prof. Dr. Yeak Su Hoe
3:45 - 4:45 pm	Introduction to Fundamental Database using Python - P2	Assoc. Prof. Dr. Yeak Su Hoe
4:45pm - 5.00 pm	Closing & Photo session	

Organised by: Faculty of Science & UTM Career Centre

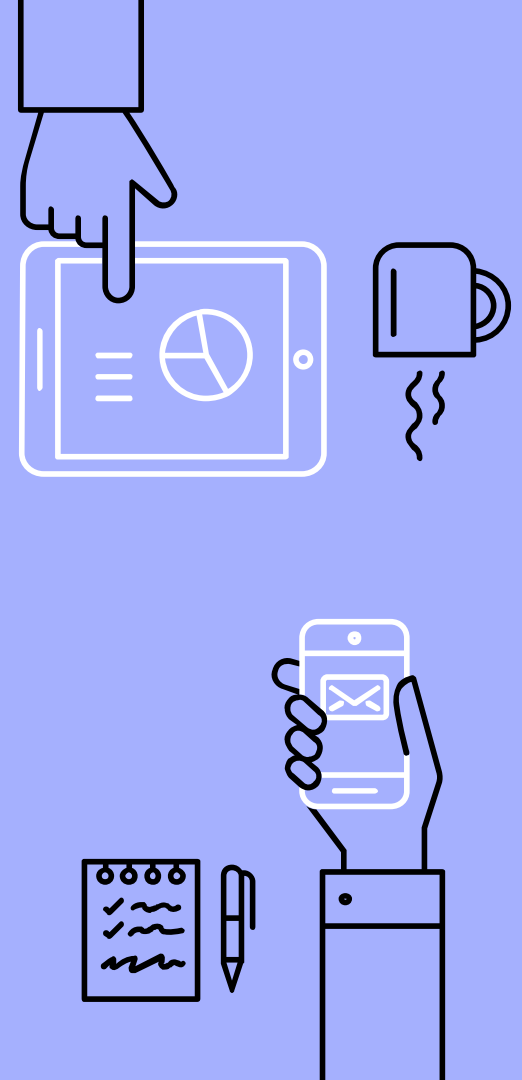


What Will We Learn



- Get-to-know Python
- Print
- Arithmetic operation
- Variable
- Variable type
- Function
- Boolean
- Control flow
- Libraries

Shaw, Z. (2017). *Learn Python 3 The Hard Way: A Very Simple Introduction to the Terrifyingly Beautiful World of Computers and Code*. Addison-Wesley Professional.



What Will We Learn

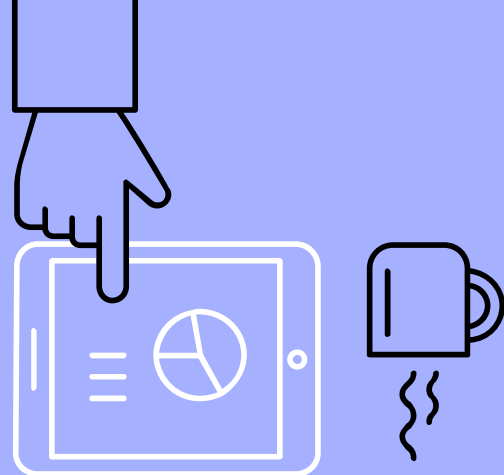


- Dataframe
- Import data
- Data wrangling



- 2D plot

McKinney, W. (2018). *Python for Data Analysis: Data Wrangling with Pandas, Numpy and IPython*, 2nd edition. O'Reilly Media, Inc.



RESOURCE CENTER

<https://github.com/Farahain/PythonIntro>

Please download the Jupyter Notebook.

Heard of Python?

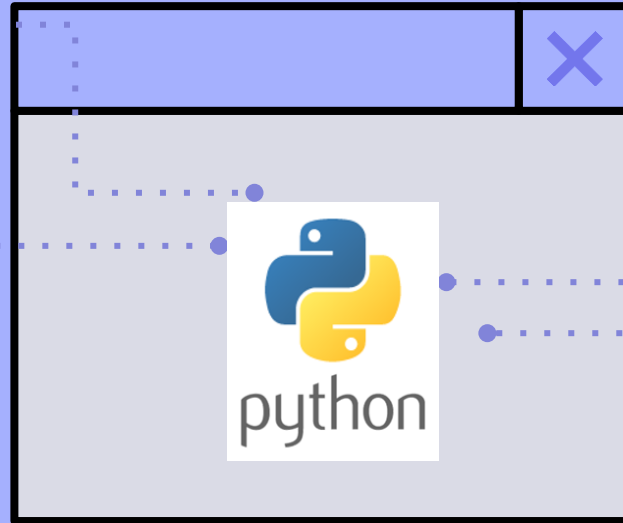
- ☐ Of course. You mean that big gigantic snake right?
- ☐ Yes. The programming language is 🐍🐍
- ☐ Nope. This is the first time I heard of it.



What is Python?

General
Purpose
Programming
Language
Can be used for
nearly everything

Guido van Rossum
The creator



1991
First released
on 1991

.py
.ipynb
File
extensions

Why Python?



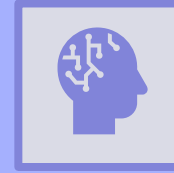
SIMPLE

- ✓ Easy to learn
- ✓ Simple syntax
- ✓ Readable codes



WIDE APPLICATIONS

- ✓ AI
 - ✓ Data Science
 - ✓ Web & Apps Dev
 - ✓ Scientific Computing
- You name it!



IT'S THE FUTURE

School students and
AI practitioners
all around the world
use Python.

Who Use Python?

Among the famous ones.

- Instagram
- Netflix
- Spotify
- Google
- Bloomberg
- Dropbox
- Walt Disney Animation Studios
- AstraZeneca
- Shopee

How to Run Python?



INSTALL

- Basic Python
- Anaconda
- Jupyter Notebook
- PyCharm
- Spyder
- Visual Studio Code



NO INSTALL (online)

- Google Colaboratory
- Binder
- CoCalc
- Microsoft Azure Notebook

Let's start.

"The best way to learn a language is to speak to natives."

The guy learning python:



RESOURCE CENTER

<https://github.com/Farahain/PythonIntro>

Please download the Jupyter Notebook.