TENTATIF PROGRAM

16 Disember 2023(Sabtu) : Hari Pertama

MASA	BUTIRAN	CATATAN
9:00 am - 9:15 am	Introduction to Python: Overview of Python: interactive vs script.	
9:15 am - 10:00 am	Getting Ready: Compiling our first Python code!	
10:00 am - 11:00 am	Python Basic: Introduction to variables, data types, operators, and basic functions.	
11:00 am - 12:00 pm	Control Structures: Introduction to if statements, loops, and logical operators. Introduction to Numpy	
12:00pm - 1:00 pm	Data visualization with Matplotlib. Playing with static and animated plot.	
1:00 pm - 2:00 pm	Lunch	
2:00 pm - 4:00 pm	Mini hackaton : Solving simple harmonic motion with numpy and visualisation with Matplotlib.	

17 Disember 2023 (Ahad) : Hari Kedua

MASA	BUTIRAN	CATATAN
9:00 am - 10:00am	Pandas: Introduction to Pandas for data analysis, including reading and manipulating data frames, selecting data, and basic data exploration.	
10:00am - 11:00am	Functions: Introduction to functions in Python, including how to define and call functions, function arguments, and variable scope.	
11:00 am - 1:00pm	Introduction to Machine Learning : a simple approach.	
1:00 pm - 2:00pm	Lunch	
2:00 pm -3:00pm	Group work : problem solving in Python (guided)	
3:00 pm - 4:00pm		
4.00 pm - 5.00 pm	Closing remark and feedback	

Preparation for participants:

1. Install python module beforehand in your laptop or notebook. Recommended python package is anaconda python (https://www.anaconda.com/download) which come with all scientific modules and editors.

2. Notes and guidelines will be provided to all participants.