



emirates
aviation
university



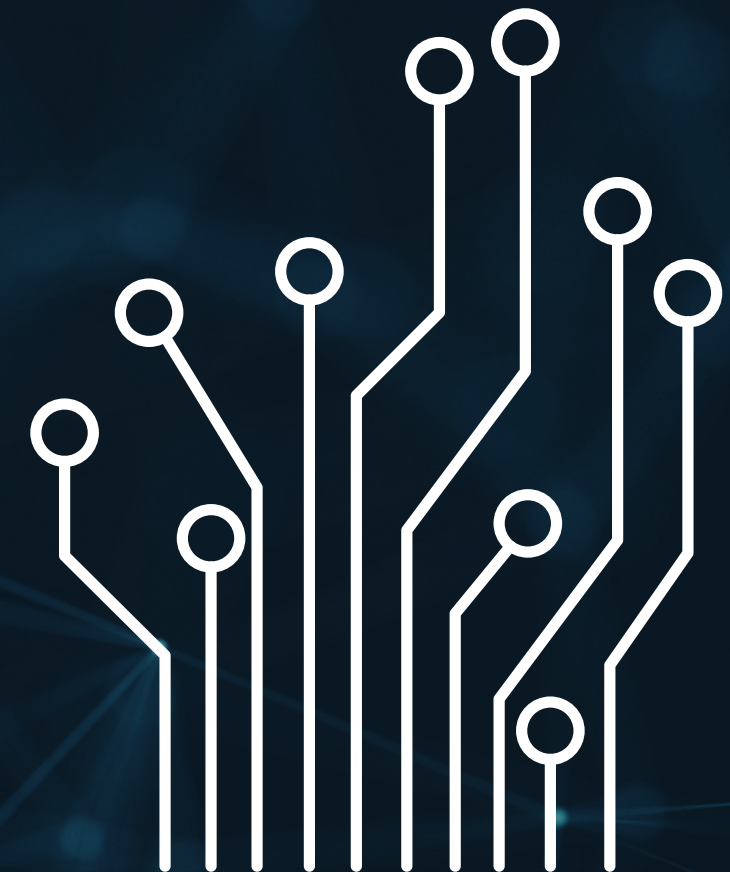
THE EMIRATES GROUP

School of Mathematics and Data Science

DATA SCIENCE SUMMER CAMP

Data Visualization & Implementing a Chatbot using Python

Summer Camp for highschool students (Grade 11 & 12)

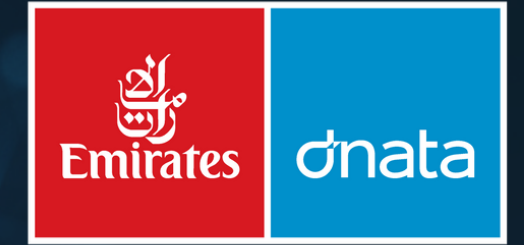


AIM:

To provide academic and application based activities related to the data science/software engineering industry to high school students.

OBJECTIVE:

emirates
aviation
university



THE EMIRATES GROUP

- To have a basic understanding of data science subjects.
- To conduct basic experiments on data visualization and chatbot implementation.
- To have applied classroom knowledge to educational activities.

ELIGIBILITY:

- High school students aged 17-19 years (11th grade onwards)
- Students with STEM background

emirates
aviation
university



THE EMIRATES GROUP

WHEN & WHERE:

emirates
aviation
university



THE EMIRATES GROUP

Date : 25-29 July 2022

Time : 8:30 am - 3:30 pm

Venue : Emirates Aviation University - DIAC

TOPICS/ EXPERIMENTS COVERED:

- Introduction to Data Science
- Python Exercise
- Data Visualization: matplotlib/seaborn
- Implementing a ChatBot
- IBM Watson
- Final Project

SCHEDULE:

DAY 1

Sessions	Timings
Defining Data Science - What do Data Science people do? - Data Science people - Use cases for Data Science	8:30 - 11:30
Python Exercise 1 (Part 1)	11:30 - 12:00
Lunch	12:00 - 13:00
Python Exercise 1 (Part 2)	13:00 - 15:30

DAY 2

Python Exercise 2 & 3	9:00 - 12:00
Lunch	12:00 - 13:00
Data Visualization: matplotlib	13:00 - 15:00
Project Discussion	15:00 - 15:30

DAY 3

IBM Watson	9:00 - 11:00
Implementing a ChatBot (Part 1)	11:00 - 12:00
Lunch	12:00 - 13:00
Implementing a ChatBot (Part 2)	13:00 - 15:00
Project Discussion	15:00 - 15:30

DAY 4

Data Visualization: seaborn	9:00 - 11:00
Project Implementation Session 1	11:00 - 12:00
Lunch	12:00 - 13:00
Project Implementation Session 2	13:00 - 15:30

DAY 5

Project Presentation/Demos	9:00 - 11:00
Closing Ceremony	11:15 - 12:00
Lunch	12:00 - 13:00

REGISTRATION:

emirates
aviation
university



For more information and registration please

Email : admin-mathematics@eau.ac.ae

Contact Number : +971 4 6050143

Registration Deadline : 20th July 2022