



The ACE Team

ACE Computing Workshops 2023

Here's the latest list of ACE Team computing workshops to help you with your studies.

How to join a workshop

The easiest way to join a workshop is by going to our [booking page](#). Here you can see when each session is taking place. To book, please select the date of the workshop on the calendar. Then book the session to receive an email, add to your calendar and get a reminder 12 hours before. It is not mandatory to register.

Alternatively, you can simply click on the link below at the time of the session

<https://qa-learning.webex.com/meet/HRaj>

If you are calling in, dial +44 203-478-5289 then enter the access code 701 424 864 by the session you are joining.



Jan

Date	Day	Time	Topic
10-Jan	Tuesday	12:30	Introduction to Networking: TCP/IP World's most widely used non-proprietary protocol suite! This intermediate level workshop will help you to understand what happens when a computer is connected to the internet and how the data is transmitted between them. *Looking into OSI model before joining this workshop would be beneficial.
13-Jan	Friday	13:30	Build your own website 1: HTML Structure, Links, Lists, Images HTML is the foundation of all web pages. In this intermediate level workshop, we will look into the structure of HTML pages, learn how to organize text, add links and images/videos to a webpage. *Have your laptop ready to work along with me.
23-Jan	Friday	13:30	Build your own website 2: HTML Tables and Forms In this intermediate level workshop, will focus on creating standard tables, tables for emails and images. We would then look in to creating forms using html. *Please note that this the continuation of part1 workshop. *Have your laptop ready to work along with me



Feb

Date	Day	Time	Topic
03-Feb	Friday	12:30	Introduction to CSS Cascading Style Sheet is responsible for the styling and looks of a website. In this intermediate level workshop, we would cover the basics of CSS to make our HTML page more presentable and catchier. *Basic understanding of HTML is necessary.
10-Feb	Friday	13:30	Introduction to JavaScript In this intermediate level workshop, you would learn to write your first scripts, create variables, methods, events and event handlers, conditional statements and functions. *Basic understanding of HTML and CSS is necessary.
20-Feb	Monday	13:30	Python 1 - Variables, Strings, User Inputs, Operators & Conditional statements In this intermediate level workshop, learn the basics of programming using the Python Programming Language. We will look into Variables, Strings, User Inputs, Operators & Conditional statements *Repl - an online IDE will be used in this session. Be repl ready: https://replit.com/



27-Feb	Monday	13:30	Python 2 - Lists, Tuples & Dictionaries, Loops, Functions In this intermediate level workshop, we would look into lists, tuples, loops and functions. *Repl - an online IDE will be used in this session. Be repl ready: https://replit.com/
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Mar

Date	Day	Time	Topic
10-Mar	Friday	13:30	Python 3 – Functions, Classes, Objects and Inheritance In this intermediate level workshop, we would look into functions, classes, objects and inheritance (Multilevel and Multiple). *Repl - an online IDE will be used in this session. Be repl ready: https://replit.com/
17-Mar	Friday	13:30	Python 4 – File Handling In this intermediate level workshop, we would practice file handling using Python. Detect, read, write and copy a file 🤖



24-Mar	Friday	13:30	Computational Thinking A logical approach to problem solving. In this intermediate level workshop, we will look into various elements of Computational Thinking.
31-Mar	Friday	13:30	Introduction to Logic gates Logic gates are the heart of digital circuits – This intermediate level workshop, would help you to understand the four basic logic gates: AND, OR, NOT and XOR. *Be ready to practice with me using logic.ly https://logic.ly/

Apr

Date	Day	Time	Topic
04-Apr	Tuesday	13:30	Programming Concepts: Flow Charts & Pseudocodes Programming is developed through good pre-code planning and organization. This is assisted using pseudocode and flowcharts. This intermediate level workshop would help you to understand the basics of pseudocode and flowcharts. *Please have your paper and pen ready.



11-Apr	Tuesday	13:30	Understanding Number Systems: Part 1 In this intermediate level workshop, we will look into different number systems like Octal, Hexadecimal and Binary. We will also look into its operations like addition, subtraction and multiplication. *Please have your paper and pen ready.
14-Apr	Friday	12:30	Understanding Number Systems: Part 2 In this intermediate level workshop, we will look into binary division and work on some activities to further understand the concept of number systems. *Please have your paper and pen ready.
24-Apr	Monday	12:30	Simplify your prototypes with wireframes In this intermediate level workshop use wireframes to communicate and get feedback for your ideas and designs from your stakeholders. https://sneakpeekit.com/ https://www.figma.com/