

Python Programming Workshop

On the 12th of August 2023, one could find the lab abuzz with the sound of keyboards clacking away, as the student council held quite a successful introductory programming workshop. The workshop on Python Programming taken by Mr Swapnil Pawar was an absolutely unmissable event. Mr Pawar began the session with a brief audience interaction. He then guided the audience through the flow of the workshop and the concepts that the students would be introduced to during the next few hours.

Starting right from the basics he educated the students about what Python is and how one goes about learning and using it.

He introduced the students to the environment required to run Python, Google Colab. Mr Pawar then explained the difference between Python and other common programming languages such as C++ and Java. Python compared to other languages runs on simpler code, hence making it easier and less complex for a user. It is supported by various environments and has a broad range of libraries and packages, lending it a versatility which other languages have not quite been able to replicate. Going through the basics of syntaxes, variables, data types, and indentation, he introduced the students to a typical Python workflow. He gave elaborate examples for every concept he mentioned, ones that the students had the opportunity to dry-run on their own PCs. This gave way to introduce common errors one might run into while using python. Giving a short recap after each new topic, Mr. Pawar ensured that concepts were well understood, by assigning basic problems to the students to code. He moved on to more complex parts of the language such as functions, operators, return types et cetera with a steady pace.





Mr. Pawar ,made sure he engaged the students by interacting with them while introducing concepts, as well as helping them debug their errors. This, in addition to a few tech jokes made sure the session was lively, and the audience receptive. The students provided various approaches to solving particular tasks and also helped out their peers. He ended the session by sending across all the material referenced during the session, and wishing the students his best.

It would be an understatement to say that Mr. Pawar introduced the vast language to the audience in such a way as it may pique their attention, and explore further, even after the workshop.

Written and reported by Zainab Motiwala