



MCT
MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
VERSOVA, ANDHERI(W), MUMBAI-400053



Name of event : Python Workshop

Date : 1st August, 2019

2nd August, 2019

Venue : Seminar Hall

No. of students attended : 80

Parth Mullaji

Chairperson

IEEE RGIT

Prof. J. R. Mahajan

Branch Convener

IEEE RGIT

Dr. S. D. Deshmukh

Branch Counsellor

IEEE RGIT



REPORT ON PYTHON WORKSHOP

IEEE RGIT, which is the biggest technical committee organized a workshop on the programming language Python, in collaboration with ABIT RGIT. The workshop was conducted in the seminar hall on the 1st and 2nd of August, 2019 from 10:00am – 4:00pm on both days.

The lecturer Mr. Brahma Nishad interacted with the students. Mr. Nishad obtained his BSc degree in the field of Computer Science in 2016 and has since then been working as an IT Engineer. He has conducted workshops on many different subjects, including (but not limited to) Ethical Hacking, Cyber Security, Cloud Computing and Python. He is fluent in programming languages like Python, Java, Android and DotNet. He is also well versed in web technologies like HTML, CSS, JavaScript and XML, and in Database Management Systems like MySQL and Oracle. In addition to those technologies, he is also familiar with development tools such as Android Studio, Net Beans and Visual Studio.

This workshop was divided into four sessions. Mr. Nishad started the first session of the workshop by introducing the students to Python, with the help of Powerpoint slides. He also demonstrated some simple Python programs. In the second session, he discussed the manner in which Python runs. This was followed by a discussion on the types of operations in Python. He went on to cover topics like Numbers, Strings, Lists and Tuples, Dictionaries, Files, Statements and Syntax, Assignments, Expressions and Print Statements. The session came to an end with a discussion on Conditional and Iterative Constructs.

The third session, which took place on the second day, started with an introduction to Functions and Lambda Forms. This was followed by a discussion on Functions, Arguments, and Scopes. This session ended after Mr. Nishad talked about List Comprehensions and Generators. At the beginning of the fourth and final session, he taught the students about Modules and Module Packages in Python. He proceeded to talk about Mixed Usage Modes and Object Oriented Python Programming. He concluded the session after teaching the students about Class Coding Basics, Inheritance, New Styled Classes, and Exceptions.

Overall, this workshop was a great success for the committees involved and a step closer towards helping students to better understand this programming language. The session was very interactive, with Question and Answer sessions. The live demonstrations and Powerpoint slides were very helpful. The material was very comprehensive, because of which all the students involved were benefited.

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