WORKSHOP ON DECODING PYTHON

The Department of Electronics & Communication Engineering organized a 4-day workshop "Decoding Python" in association with the International Society of Optics and Photonics (SPIE) Student Chapter, BPPIMT. The main goal of the workshop was to introduce students to Python - a popular High-level, Object-Oriented, Interpreter based programming language, and get them comfortable with the syntax and semantics. The principal objective was to foster an interest in Coding and develop appropriate logic-based critical thinking that would enhance their future job prospects. The areas are to be covered throughout this 4-day workshop included the installation of Python, knowing the basics of Python, playing with loops in Python, delving in searching and sorting techniques, and problem solving attitude. Certificates would be awarded to participants completing the workshop. Assignments would be given to the participants to learn how to think and apply their knowledge.

The workshop was started on 26th June, 2021 and continued till 29th June, 2021. In the first day of the workshop the host Mr. Raunak Banerjee gave the welcome address welcoming respected Emeritus professor, former Dean Prof. Dr. B.N Chatterji of BPPIMT, respected Prof. (Dr.) Sutapa Mukherjee, Principal, BPPIMT and respected Head of Department (HOD) of Electronics and Communication Engineering Dr. Ivy Majumdar, all the respected teachers and the participants.
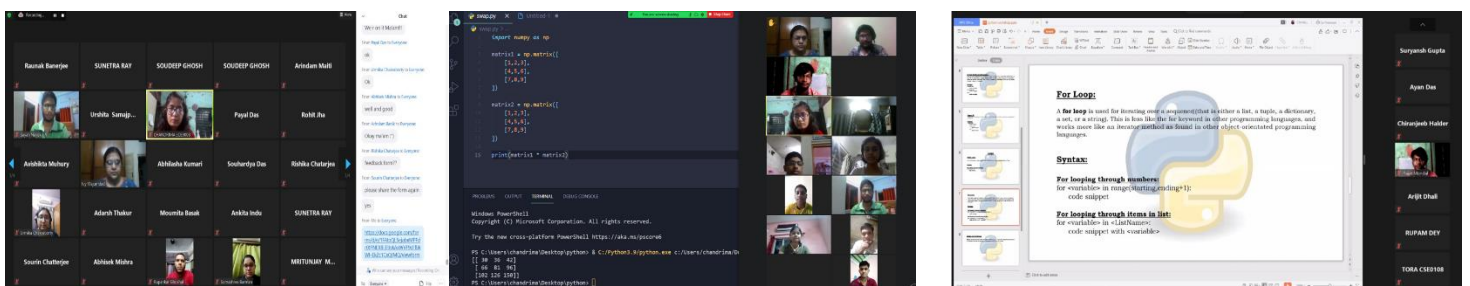
Respected Prof. Dr. B.N Chatterji inaugurated the workshop by sharing words of wisdom. Prof. (Dr.) Sutapa Mukherjee, Principal, BPPIMT shared some valuable and inspiring words. Then respected HOD of ECE Department Dr. Ivy Majumdar gave a wonderful speech giving short overview of the workshop and a short outline detailing the ins and outs of the ethos of SPIE Student Chapter.

The main event started with the explanation of installation process of VS Code and Python (3.9.5) by Mr. Rajat Mondal, 2nd year, ECE. After his session, speaker Mr. Arko Sen from 2nd year, ECE, delivered an exemplary session explaining the "Basics of Python" - input output statements, data types, libraries and python functions. The participants were interactive and actively asked queries about their doubts. Finally, the President of SPIE Student Chapter, Mr. Soumya Koley, 3rd year ECE, described the detailed benefits of joining SPIE - industrial visits, seminars by eminent, personalities and leadership growth opportunities. The session ended with feedback session.

Day 2 of Decoding Python was successfully hosted by anchor Parichay Dey. The session of the day was covered by Mr. Rajat Mondal, 2nd year ECE who gave an excellent explanation on the topic "Playing with Loops in Python" - Conditional Statements, Switch case, Loops, Matrices using NumPy.

During the break session, respected Ms. Ankita Indu, Assistant Professor, ECE gave an articulate and eloquent speech encouraging the participants and thanking the organizing team for their efforts. The participants also gave their inputs about the workshop which were satisfactory. The session was very much interactive and was concluded with few encouraging words from the HOD of ECE Department Dr. Ivy Majumdar followed by a feedback session.

Day 3 of Decoding Python was hosted by Mr. Parichay Dey. The session was covered by Mr. Raunak Banerjee, 2nd year ECE, who gave a marvelous and animated explanation on the topic "Delving into Searching and Sorting"- various sorting and searching techniques.

During the break session, Dr. Arijit Saha, Associate Professor, ECE sir gave a wonderful speech encouraging the participants and thanking the organizing team for their efforts to organize such a successful workshop. The participants also gave their inputs about the workshop. The session was interactive and was concluded with a feedback session. Our respected teachers Mr. Ramesh Kumar and Mr. Abhijit Mukherjee also gave their valuable inputs.

The last day of the workshop was co-anchored by Mr. Rajat Mondal and Mr. Raunak Banerjee. In the last day, an alumnus of the Dept. of ECE, Mr. Tanumoy Nandi – currently working as a Specialist Programmer at Infosys was invited as a Guest Speaker. Mr. Tanumoy Nandi spoke on the topic "Technologies using Python" which included all the latest technologies used in the current industry. After the session by Guest speaker, Mr. Soumya Koley, President, SPIE felicitated the Guest Speaker with the certificate of appreciation. Mr. Arko Sen explained mapping in Python followed by Mr. Rajat Mondal explaining a simple auto-corrector code.

In the valedictory session Dr. Ivy Majumdar, HOD, ECE congratulated the organizer team and the participants on successful completion of the event. The session ended with a vote of thanks by Dr. Vedatrayee Chakraborty, Assistant Professor, ECE followed by the feedback session.