

I.T.S ENGINEERING COLLEGE GREATER NOIDA (A NAAC Accredited Engineering College)

Name of Event: 1 Day Workshop on "Python Programming: LIVE Projects"

Date of Event: November 6, 2022

Organized by: e-Yantra Innovation Centre Department of ECE

Event Coordinator: Ms. Pragati Tripathi (Assistant Professor- Department of Electronics & Communication Engineering)

Speaker: Mr. Kushal Pathak, Senior Software Engineer, Verve Gen Tech Pvt. Ltd.

Objective: The workshop was organized with the objective of promoting the awareness and skills among students about Python Programming and its applications in LIVE Industrial Projects.

Report:

The workshop was started with absolute basics as many of the attendees were new to programming. In the beginning, speaker explained to them the difference between a compiled and interpreted language. He began with the concept of print statements and how it was used to output to the console. The participants used the print () statement in Python to print sentences, concatenate strings and perform basic calculations. While concatenating and printing various things students noticed that they were not able to concatenate a sentence and a number (unless the number was in quotes). And hence various basic data types like Integer (int, numerical value without a decimal point), Floating Point (float, fractional numbers), String (str, sentences) were introduced. The two new data types for those who did a bit of programming were Boolean and None. Boolean (bool) can hold only one of two possible values: True and False. The last type was None which is a special type indicating nulls. Along the way, he also introduced the participants to the concept of variables. Many of those who had experience with C++/Java remarked how easy it was to declare a variable in Python (without specifying its data type) and change its data type fluidly. The reason is that Python doesn't actually "hold" any data but is merely pointers to data objects. He then moved on to the basic assignment and arithmetic operations in programming. Many of them were new to the modulo (%), the floor division (//), and the power of (**) operators. He then gave them a simple problem to solve for some practice using the things they learned. Comparison operators were then taught along with conditional statements, its syntax, working and how the or, and operators were used in it. Next, he moved on to looping statements. While being taught for loop, they were also introduced to the range () function in Python along with its start, stop and step parameters, which work exactly the same way in string slicing, also explained at the time. In the end, participants were given a few questions to solve, going from beginning to intermediate and they were encouraged to ask any doubts since he was nearing the end of the session. In this way the whole session was concluded.

Outcomes: The outcome of the workshop was to make students aware about the following concepts:

- Introduction to Python
- Python features and applications
- Data types, Operators

Pragati

Director
ITS Engineering College
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- Functions, recursion
- File handling
- OOPs concepts
- Modules and Packages
- Libraries used for Data Science.




Program Outline: The workshop was organized with the objective of promoting the awareness and skills among students about Python Programming and its applications in LIVE Industrial Projects.

No. of Students attended: 72

Faculty attended: 05

Timing: 11.00 am - 6.00 pm

Banner:


ORGANIZED BY: Department of Electronics & Communication Engg


ONLINE WORKSHOP

PYTHON PROGRAMMING: LIVE PROJECTS

SPEAKER


MR. KUSHAL PATHAK
Software Engineer, Verve Gen Tech Pvt. Ltd.






MODERATOR


DR. MONIKA JAIN
IEEE STU Branch Counsellor,
Prof & HOD- ECE, ITS Engineering College



SUNDAY
6 NOVEMBER 2022





TIME
11: 00 AM



FACILITATOR

MS. PRACATI TRIPATHI
IEEE Member
Assistant Professor-ECE
ITS Engineering College

 /itsengggn

 www.itsengg.edu.in

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Pathak

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Director
ITS Engineering College
Greater Noida

List of Participants:

1. Abhinav Kumar Kanth
2. Abhishek Yadav
3. Aman Pratap Singh
4. Ambika
5. Ayush Raj
6. Divya Verma
7. Harshit Mishra
8. Kanchan Gupta
9. Kashish Solan
10. Kavita Yadav
11. Komal Nagar
12. Lokesh Bisht
13. Prashant Kumar
14. Rahul Raj
15. Raju Kumar
16. Sanjeev Kumar
17. Suman Kumar
18. Umesh Kumar
19. Vikram Kumar
20. Parveen
21. Prashant
22. Navdeep Thakur
23. Deepak Mandal
24. Vivek Kumar
25. Rahul Yadav
26. Abhay Chauhan
27. Piyush Kumar
28. Sonu Kumar
29. Aditya
30. Mann Kumar
31. Aditya Kumar Yadav
32. Prabhat Kumar Mishra
33. Ankit Kumar
34. Harsh
35. Aniket Srivastava
36. Abhishek Patel
37. Aditya
38. Vishnu Kumar
39. Krish Saini
40. Saket Kumar
41. Vikas Manraj
42. Aadarsh
43. Abhay Sharma
44. Abhimanyu Kumar
45. Abhishek Kumar
46. Aditya Rana
47. Aditya Shankar
48. Akmal Hussain
49. Alok Kumar Singh
50. Ashwin Yadav
51. Avinash B Roy
52. Bhumika Pal
53. Devraj Singh
54. Gautam Negi
55. Harshit Raj
56. Kapil
57. Md Gulab Nabi
58. Imam
59. Md Tausif Raja
60. Nikhil Raj
61. Rakesh Kumar
62. Riya Chaudhary
63. Sahwag Raj
64. Sahzaad Bhatti
65. Shivam Kumar Yadav
66. Abhishek Sharma
67. Adarsh Kumar Mishra
68. Deepanjan
69. Shlab Kumar
70. Abdul Hasib
71. Suraj Kumar
72. Md. Aamir Raza

K. Jayaram

Pratapathi

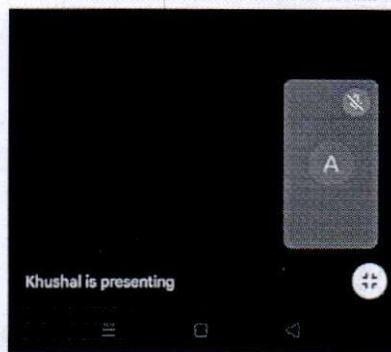
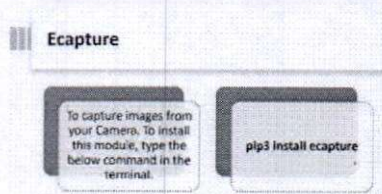
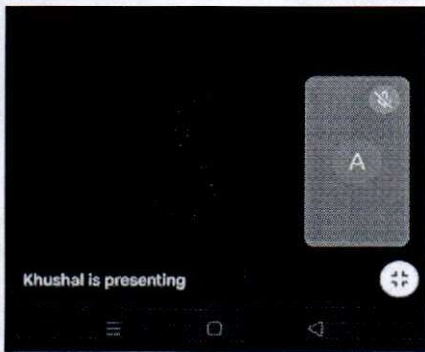
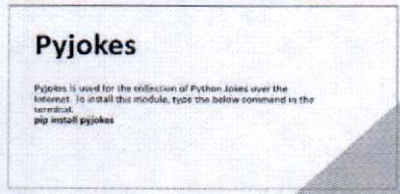


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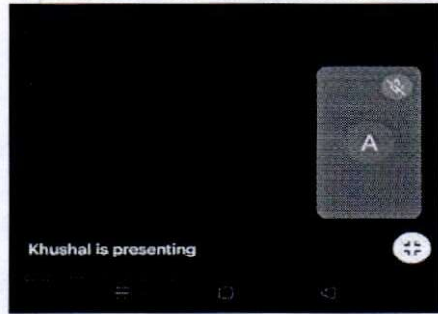
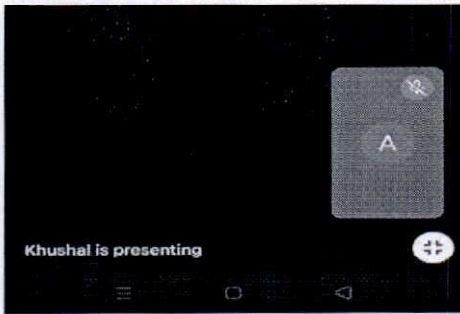
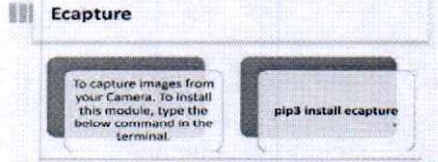
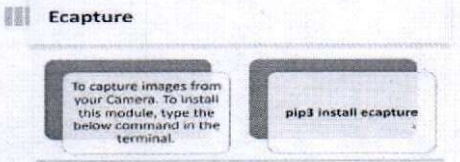
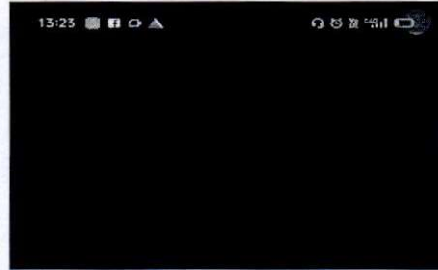
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Workshop Pictures:



Director
ITS Engineering College
Greater Noida

Pranipathi



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Director
ITS Engineering College
Greater Noida

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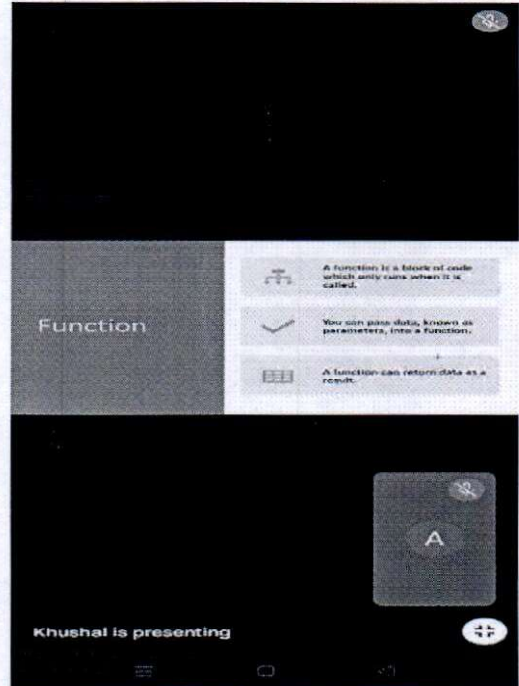
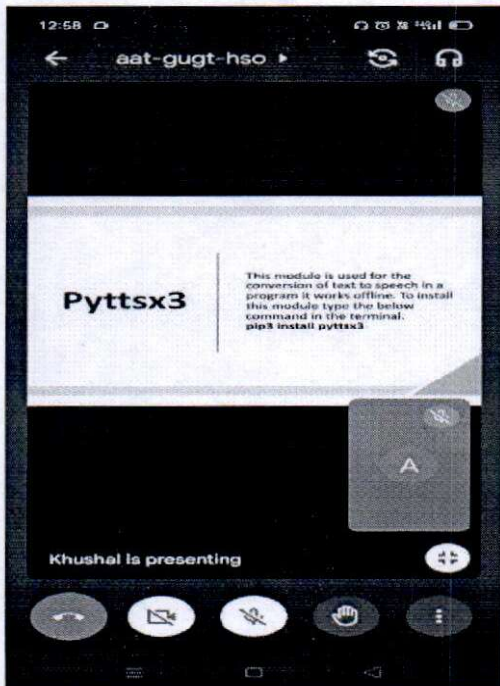
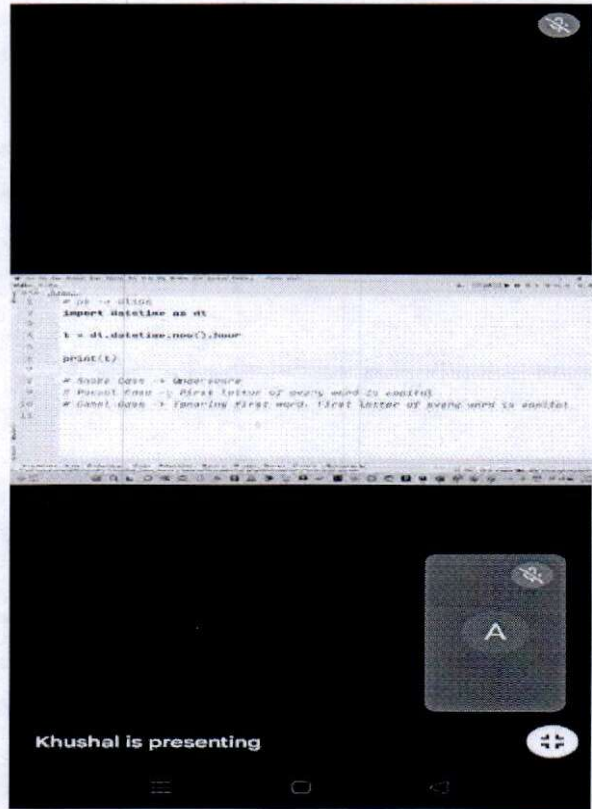
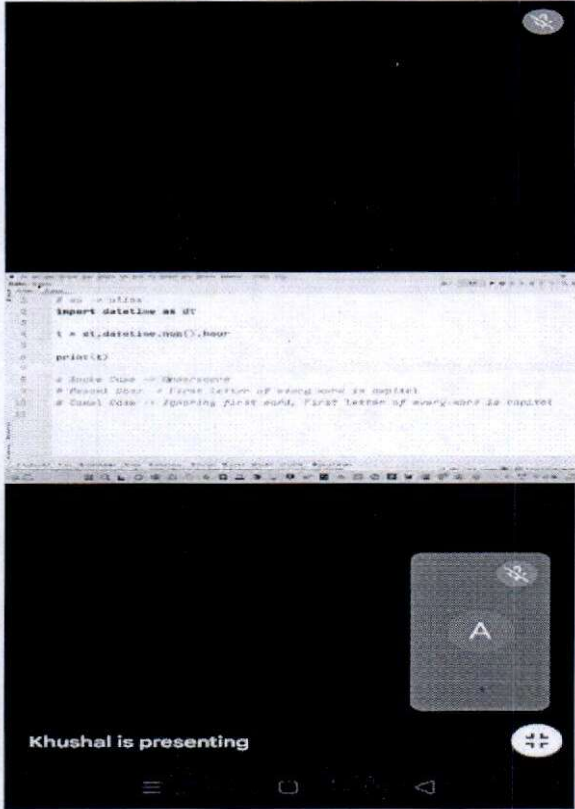
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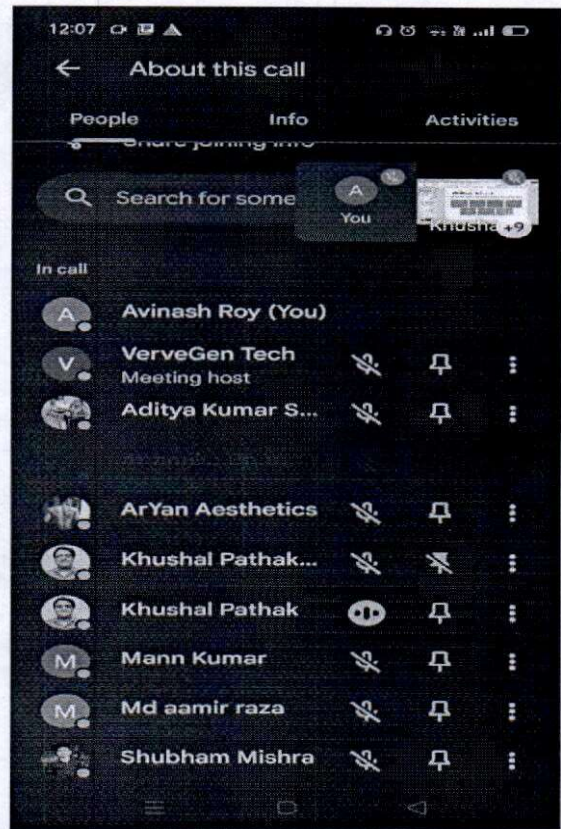
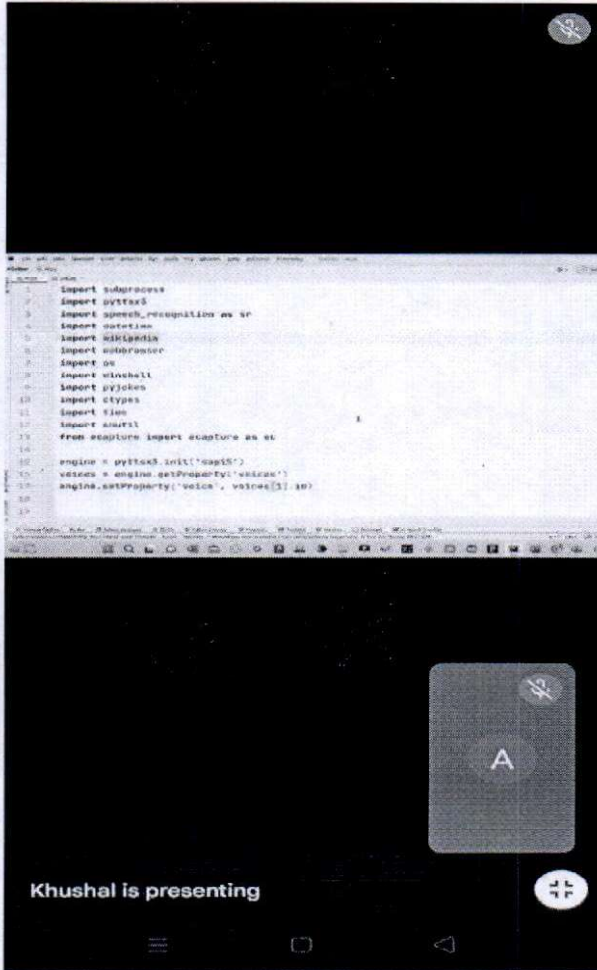
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Handwritten signature: Anupam
Director
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[Handwritten signature: Vayans]
Director
ITS Engineering College
Greater Noida

[Handwritten signature: Pragathi]
Coordinator
(Ms. Pragati Tripathi)