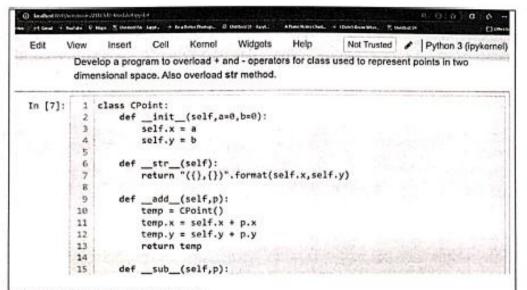


K S School of Engineering and Management, Bangalore-560109 Department of Electronics and Communication Engineering Teaching and Learning

Pedagogy Report

Academic Year	2023-24 (Even)
Name of the Faculty	Mr. Sanjay B. Nayak /Ms. Bhargavi Sangam
Course Name/ Code	Python Programming / 21EC643
Semester/Section	VI/A&B
Activity Name	Programming Activity (Read Comprehend Implement Demonstrate (RCID)
Topic Covered	Python Programming Concepts
Date	10/07/2024
No. of Participants	115
Objectives/Goals	To improve programming skills of the students To enhance self-learning skills of the students
Infrastructure /Facilities	Laptop and Projector
The solutions were discuss Relevant PO's	PO1, PO2, PO3, PO5, PO12
Significance of Results/Outcomes	Students explored tools used for python programming They had hands-on experience which helped understanding the programming concepts
	 Students executed the programs and verified the results.
Reflective Critique	 Students executed the programs and verified the results. The activity helped the students to understand topics covered in theory and improve their programming skills.
	Students executed the programs and verified the results. The activity helped the students to understand topics covered in theory and improve their programming skills. **S/Reports/Charts/Models** **S/Reports/Charts/Models** **The activity helped the students to understand topics covered in theory and improve their programming skills. **The activity helped the programs and verified the results. **The activity helped the students to understand topics covered in theory and improve their programming skills. **The activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the activity hel
Proofs (Photographs/Video	Students executed the programs and verified the results. The activity helped the students to understand topics covered in theory and improve their programming skills. **S/Reports/Charts/Models** **S/Reports/Charts/Models** **The activity helped the students to understand topics covered in theory and improve their programming skills. **The activity helped the programs and verified the results. **The activity helped the students to understand topics covered in theory and improve their programming skills. **The activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the students to understand topics covered in the activity helped the activity hel
Proofs (Photographs/Video	Students executed the programs and verified the results. The activity helped the students to understand topics covered in theory and improve their programming skills. S/Reports/Charts/Models) Module4
Proofs (Photographs/Video	Students executed the programs and verified the results. The activity helped the students to understand topics covered in theory and improve their programming skills. S/Reports/Charts/Models) Module4 Cell Kernel Widgets Help Not Trusted Python 3 (lpykern)



Sample programs assigned to students:

Activity Based Learning:

1. Write a program to generate Fibonacci series

2. Write a program to find factorial of a number using function.

3. Write a menu driven program to implement stack using Lists

 Create a DB using dictionaries containing key as USN and related fields containing Name, gender, Marks1, Marks2 & Marks3 of students. Implement the following functions to perform

Update Name/gender/marks

ii) search for usn and display the relevant fields

iii) delete based on search for name

iv) generate the report with avg marks more than 70%

Write a program to implement search and replace multiple occurrences of a given substring in the main string in a list.

Write a function called most_frequent that takes a string and prints the letters in decreasing order of frequency.

- Write a program that reads a file, display the contents, builds a histogram of the words in the file and print most common words in the file.
- Write a program that searches a directory and all of its subdirectories, recursively, and returns a list of complete paths for all files with a given suffix.
- Write python code to extract From: and To: Email Addresses from the given text file using regular expressions. https://www.py4e.com/code3/mbox.txt.
- Consider the sentence "From rjlowe@jupui.edu Fri Jan 4 14:30:18 2008", Write python
 code to extract email address and time of the day from the given sentence
- Write a program to read, display and count number of sentences of the given file.

12. Write a program that gets the current date and prints the day of the week.

 Write a function called print_time that takes two Time objects and prints total time it in the form hour:minute:second.

14. Write a program that takes a birthday as input and prints the user's age and the number of days, hours, minutes and seconds until their next birthday.

Signature of the Course In charge

Signature of the HOD, ECE

Sangalore - 560 109