Computer Laboratory based on (PYTHON and JAVA)
Computer Laboratory based on (PYTHON and JAVA)
[PRACTICAL]

Semester: V	Credits: 4	Subject Code: BCP52206	Lectures: 48

Course Outcomes:

At the end of this course, the learner will be able to,

- Identify and recognize Python programming basics and paradigm.
- Relate and identify python looping, control statements and string manipulations.
- Design and manipulate the concepts of GUI controls and applications.
- Solve problems using JAVA collections framework and input out classes.
- Design GUI based applications using JAVA.
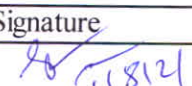- Develop Applets for web applications.

Unit 1: PYTHON	24

- Assignments on Modules and Packages
- Assignments on OOPS concepts using Python
- Assignments on Exception handling
- Assignments on GUI programming

Unit 2: JAVA	24

- Assignments on Array
- Assignment on string
- Assignments on OOPS concepts
- Assignments on file handling and Exception handling
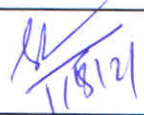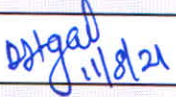- Assignments on Swing Programming

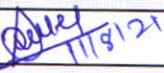**#12 hours for Library work, assignments, practical or field work**
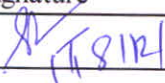
Reference Books:

- Ebalgurusamy ,*Programming with JAVA*
- JAVA HerbertSchildt, *The Complete Reference*
- R. A. Johnson, Ceng ,*Java Programming and Object-oriented Application Development*
- S. Malhotra, S. Chudhary ,*Programming in Java*, 2nd edition, Oxford Univ. Press.

Board Of Studies	Name	Signature
Head of the Department	Ms Smita Borkar	

Websites:

- www.w3cschool.com

Board Of Studies	Name	Signature	
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Faculty*	Asst Prof Divya Chitre		*signed 11/8/21*
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One Alumni***	Ms. VidhiThakkar		

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Head of the Department	Ms Smita Borkar	*signed 11/8/21*