NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

BOARD OF STUDIES MEETING

DATE : 28/11/2022

VENUE : Dept. of ISE, NHCE

TIME : 11.30 am to 12.00pm

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Agenda for the Meeting:

1. Approval of Syllabus for the course:

   Problem Solving using Python – 22PLC151/251

List of members

S. No	Category	Nomination of the committee	Name of the person	Designation & Affiliation
1	**Head of the Department**	**Chairperson**	Dr.Mohan HS	Professor & HOD, Dept. of ISE
2	**Special Invitees**	**1**	Dr. Manjunatha	Principal, NHCE
		2	Dr. R J Anandhi	Dean Academics, NHCE
3	**Faculty member at different level with different specialization**	**Member**		
		1	Dr. K Saravanan	Professor, Dept. of ISE, NHCE, Bangalore
		2	Dr.Arvind Kapse	Professor, Dept. of ISE, NHCE, Bangalore
		3	Dr. Kalaivani D	Associate Professor, Dept. of ISE, NHCE, Bangalore
		4	Dr. Swathi Baswaraju	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore
		5	Mrs. Shobha Shanmugham	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore
			Ms. Suvika KV	Assistant Professor, Dept. of ISE, NHCE, Bangalore
4	**Subject expert from outside the college nominated by Academic Council**	**Member**		
		1	Prof. Anandhi Giridharan Principal Research Scientist IISc, Bangalore.	Academic Technical Expert
		2	Dr. Natarajan S Professor and Key Resource Person PES University, Bengaluru	

		3	Dr. Varaprasad G Associate Professor, BMS College of Engineering, Bengaluru	
5	**Experts from outside the college nominated by VTU**	**Member**		
		1	Dr Nalini, Professor, Dept. of CSE, Nitte Meenakshi Institute of Technology, Bengaluru	VTU Nominee
6	**Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council**	**Member**		
		1	Ms. Madhuvanthi Ravi Global Manager(India, Asia, Europe) Talent Acquisition and attraction, A.P.Moller – Maersk, Bengaluru	Industry Technical Expert
		2	Mr. Sachin kumar R S Regional Program Manager, IT Academy, Asia-Pacific & Japan, VMware , Bengaluru	
7	**Post Graduate meritorious alumni nominated by Principal**	**Member**		
		1	Mr. Prashanth V Project Manager, Trinity Mobility, Bengaluru	Alumnus
		2	Mrs. Sannutha S Holla, Technical Program Manager, Harman International, USA	
		3	Mr. Venkat Surendra, Consultant , Deloitte consulting, Bengaluru	
		4	Ms. Pavitra Nagendrappa, Colleague Support Engineer, VMware, Bengaluru	
8	**Co-opted members**	**Member**		
		1	Mr. Aniz Mizra, Head Placement & Corporate relations, NHCE, Bangalore	Placement
		2	Dr. L. Srinivasan Associate Professor Dept. of ISE, NHCE	Academic & Research expertise
		3	Dr.R Senthil kumar , Associate Professor, Dept. of ISE, NHCE.	

		4	Mrs. Vandana C P, Sr. Assistant Professor Dept. of ISE, NHCE	

WELCOME ADDRESS BY THE CHAIRMAN OF BOS AND INTRODUCTION OF MEMBERS

Minutes

The **BOARD OF STUDIES (2022 – 23)** meeting was held on 28/11/2022 in online mode using Google Meet with internal members (in person) and External members (online).

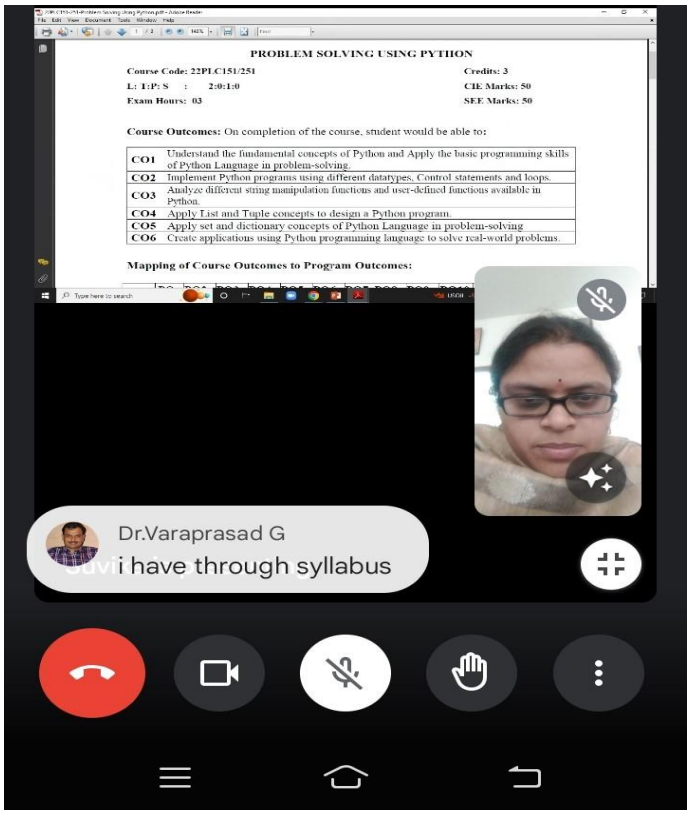
Dr.Mohan Kumar HS, Chairperson of BOS, Professor & Head -Department of ISE welcomed the BOS Committee members. BOS chairperson welcomed all the members of the board. HOD presented the agenda of the Board of studies meeting to the members, introduced the Internal and External BOS members. The Scheme of B.E First Year (2022-2023) Batch, Syllabus of Problem Solving using Python – 22PLC151/251 was shared via email to all the board members for effective discussion and conduction.

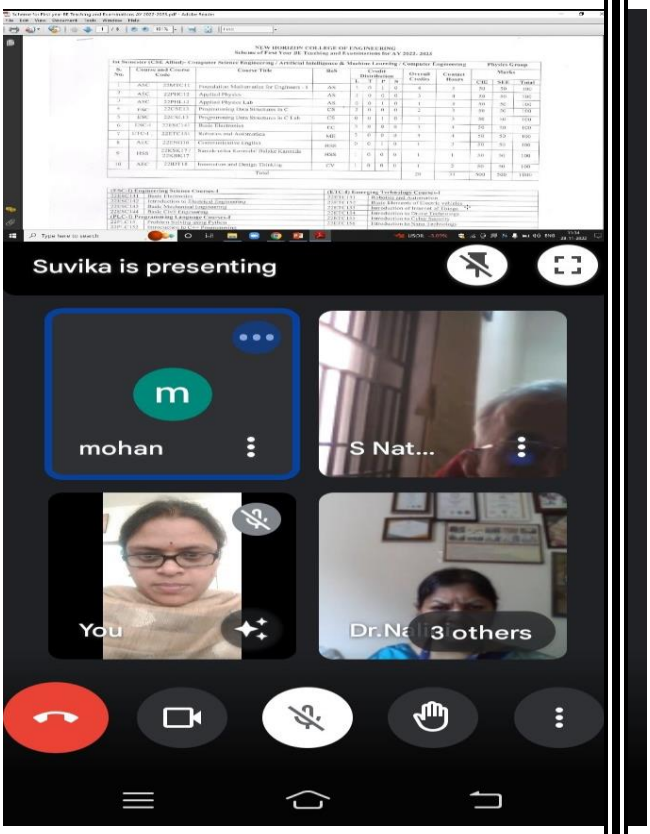
AGENDA - 1

1. HOD presented the syllabus of Problem Solving using Python to the Board members and a detailed discussion regarding the syllabus was held.
2. Dr Natarajan recommended to include case studies in the syllabus.
3. Dr. Varaprasad recommended to include Exceptions and Assertions in the syllabus.
4. Dr. Nalini suggested to have one faculty Mentor to monitor the course with respect to the Teaching and Evaluation process.
5. Ms. Madhuvanthi Ravi also emphasized the importance of case studies in the syllabus.

VOTE OF THANKS BY THE CHAIRMAN-BOS

BOS Chairman delivered Vote of Thanks and appreciated each and every members of the board for their contribution and valuable suggestions provided.


PROBLEM SOLVING USING PYTHON
Course Code: 22P1.C151/251
Credits: 3
L: I:P: S : 2:0:1:0
CIE Marks: 50
Exam Hours: 03
SEE Marks: 50
Course Outcomes: On completion of the course, student would be able to:
CO1 Understand the fundamental concepts of Python and Apply the basic programming skills of Python Language in problem-solving.
CO2 Implement Python programs using different datatypes, Control statements and loops.
CO3 Analyze different string manipulation functions and user-defined functions available in Python.
CO4 Apply List and Tuple concepts to design a Python program.
CO5 Apply set and dictionary concepts of Python Language in problem-solving
CO6 Create applications using Python programming language to solve real-world problems.
Mapping of Course Outcomes to Program Outcomes:
Dr.Varaprasad G
i have through syllabus


Suvika is presenting
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mohan
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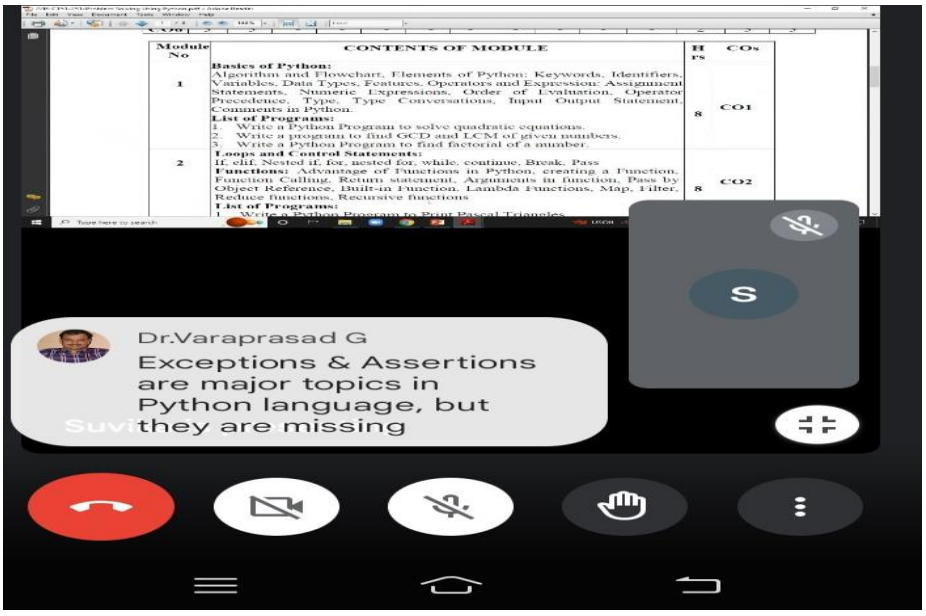
You
3 others


Module No
CONTENTS OF MODULE
Hrs
COs
Basics of Python:
Algorithm and Flowchart, Elements of Python: Keywords, Identifiers, Variables, Data Types, Features, Operators and Expression: Assignment Statements, Numeric Expressions, Order of Evaluation, Operator Precedence, Type, Type Conversations, Input Output Statement, Comments in Python.
List of Programs:
1. Write a Python Program to solve quadratic equations.
2. Write a program to find GCD and LCM of given numbers.
3. Write a Python Program to find factorial of a number.
8
CO1
Loops and Control Statements:
If, elif, Nested if, for, nested for, while, continue, Break, Pass
Functions: Advantage of Functions in Python, creating a Function, Function Calling, Return statement, Arguments in function, Pass by Object Reference, Built-in Function, Lambda Functions, Map, Filter, Reduce functions, Recursive functions
List of Programs:
8
CO2
S
Dr.Varaprasad G
Exceptions & Assertions are major topics in Python language, but they are missing