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VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

Report on value added course

***“Object Oriented Programming in
Python
for***

S4 CSE- A, B,C (2021-25 BATCH)

COMPUTER SCIENCE ENGINEERING DEPARTMENT
PRESENTS TRAINING PROGRAM ON

OBJECT ORIENTED PROGRAMMING IN PYTHON

15-03-2023 TO 19-03-2023
3 DAYS OFFLINE. 2 DAYS ONLINE WTH PROJECT

STAFF COORDINATORS :

MS. SUHADA C
MS. MANJU M
(ASSISTANT PROFESSOR)

STUDENT COORDINATORS :

KAMAL SURESH - S4 CSE B
JUSTIN JAMES THOMAS - S4 CSE B



ADD-ON COURSE REPORT ON OBJECT ORIENTED PROGRAMMING IN PYTHON FOR S4 CSE-A, B, C STUDENTS

An Add-on Course on Object Oriented Programming in Python was organized on March 15th, 16th, 17th, 18th and 19th at the Computer Center and Software lab of the CSE department. The aim of this course was to provide additional training to the 4th semester students on various aspects of Python. The course covered various topics including basic concepts, data structures, functions, object oriented concepts, python libraries, GUI and Micro services using Flask.

This report provides a summary of the course activities and its outcomes:

Day 1 (15th March):

The Course began with an introduction to python programming. The trainer explained the usage of Interactive shell, IDLE, iPython Notebooks and installed Pycharm. By the end of the day, the students had a good understanding of basic coding skills, data structures and control statements. The students learned about the libraries used in python.

Day 2 (16th March): On the second day of the course, the students were introduced to List, Set, tuple and dictionary. The trainer explained various types of functions. The students were given hands-on training on how to write a python script and debug the programs.

Day 3 (17th March): The third day of the course focused on Object oriented concepts like Objects and Classes, Methods, Instance variables, Constructor, Accessor and Mutators. The students were given hands-on training on Data modeling examples and classes with inheritance and polymorphism. The trainer also discussed Abstract classes, Interface and Exceptions. By the end of the day, the students were able to create small projects.

Day 4 (18th March): On the fourth day of the course, the students were introduced to Flask to build lightweight web applications in python. The students were guided to build their first python website using the Flask framework.

Day 5 (19th March): On the fifth day of the program, the students developed simple python projects. The trainer discussed various career opportunities in the Python language.

The course was executed by Evolve Robotics, which is a leading organization in the field of robotics and artificial intelligence. The instructors were highly knowledgeable and experienced in their respective fields and provided valuable insights into the latest developments in machine learning and deep learning. Overall, this value-added course has provided a solid foundation in machine learning and deep learning, and the knowledge and skills that students have gained will be invaluable to their future academic and professional pursuits.

Manju M.
AP, CSE
Subhadra C
A7, CSE.

Curriculum

OBJECT ORIENTED PROGRAMMING IN PYTHON

Course Description: The objective of the course is to equip the learners to develop multi-module software solutions for real world computational problems using Python. It encompasses the Python programming environment, syntax, data representations, intermediate level features, and Object-Oriented Programming. This course lays the foundation to develop modular software solutions.

Course Objective: Basic knowledge in Computational Problem Solving.

Course Outcomes: After the completion the course the student will be able to

CO1	Write, test and debug Python programs
CO2	Illustrate uses of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.
CO3	Develop programs by utilizing the Python programming concepts such as Lists, Tuples, Sets And Dictionaries.
CO4	Develop graphical user interface for solutions using Python libraries.
CO5	Implement Object Oriented programs.

Mapping Of Course Outcomes With Program Outcomes

CO-PO Mapping (S: Strong, M: Medium, L: Low)

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
CO1	H	M	M		H							H
CO2	H	M	M									H
CO3	H	M	M	M	H							H
CO4	H	M	M	M	H							H
CO5	H	M	M	M	H							H

Assessment Pattern:-

Total Marks: 50 Marks

Mini Project: 40 Marks

Quiz: 10 Marks

Project evaluation rubrics:

Quiz: A total of 10 questions carrying 1 mark each.

Mapping Of Course Outcomes With Program Outcomes

CO-PO Mapping (S: Strong, M: Medium, L: Low)

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12
CO1	H	M	M		H							H
CO2	H	M	M									H
CO3	H	M	M	M	H							H
CO4	H	M	M	M	H							H
CO5	H	M	M	M	H							H

Assessment Pattern:-

Total Marks: 50 Marks

Mini Project: 40 Marks

Quiz: 10 Marks

Project evaluation rubrics:

Quiz: A total of 10 questions carrying 1 mark each.

Abstract POs defined by National Board of Accreditation

#PO	BroadPO	#PO	BroadPO
PO1	Engineering Knowledge	PO7	Environment and Sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/Development Solutions	PO9	Individual and teamwork
PO4	Conduct Investigations Of complex problems	PO10	Communication
PO5	Modern Tool Usage	PO11	Project Management and Finance
PO6	The Engineer and Society	PO12	Lifelong learning

SYLLABUS

Module -1 (Programming Environment and Python Basics) (6 hours)

Getting started with Python programming – Interactive shell, IDLE, iPython Notebooks, Anaconda, How Python works. Basic coding skills – Writing Your First Python Program - Data-types in Python - Numeric data types and character sets, strings, assignment, and comments, Variables in Python – Declaration and Use. Type casting in Python. Expressions, Operators in Python – Assignment, Logical, Arithmetic etc. Taking User Input (Console).

Module -2 (Python Data Structures) (6 hours)

Conditional Statements – If else and Nested If else and elif Iteration with for/while loop, Formatting text for output, Selection structure (switch- case), Conditional iteration with while, Testing control statements, Lazy evaluation. Lists

- Basic list Operations and functions, List of lists, Slicing, Searching and sorting list, List comprehension. Work with tuples. Sets. Work with dates and times, Dictionaries - Dictionary functions, dictionary literals, adding and removing keys, accessing and replacing values, traversing dictionaries, reverse lookup.

Module – 3 (Functions)(6 hours)

Functions - Hiding redundancy and complexity, Variable scopes and parameter passing, Named arguments, Main function, Working with recursion, User Defined Functions – Defining, Calling, Types of Functions, Arguments and return values, Lambda functions. Strings - String Manipulation – Basic Operations, Slicing & Functions and Methods.

Module – 4 (Object Oriented Programming)(6 hours)

Design with classes - Objects and Classes, Methods, Instance Variables, Constructor, Accessors and Mutators. Structuring classes with Inheritance and Polymorphism. Abstract Classes. Exceptions - Handle a single exception, Handle multiple exceptions.

Module 5 (Micro services using Flask)(6 hours)

Overview – Environment- Application-Routing-variable rule – URL building - HTTP methods- Templates - static files - Request object – Sending form data to template – cookie – sessions – Redirect and errors – Message flashing – File uploading – Sqlite – SQLAlchemy – Sijax – Deployment – Fast CGI.

Teaching plan

Module 1 (6 hours)

Getting started with Python programming – Interactive shell, IDLE, iPython Notebooks, Anaconda,	1 hour
How Python works. Basic coding skills – Writing Your First Python Program	1 hour
Data-types in Python - Numeric data types and character sets.	1 hour
Strings, assignment, and comments, Variables in Python – Declaration and Use.	1 hour
Type casting in Python. Expressions.	1 hour
Operators in Python – Assignment, Logical, Arithmetic etc. Taking User Input (Console)	1 hour

Module 2 (6 hours)

Conditional Statements – If else and Nested If else and elif Iteration with for/while loop.	1 hour
Formatting text for output, Selection structure (switch- case).	1 hour
Conditional iteration with while, Testing control statements, Lazy evaluation.	1 hour

Lists - Basic list Operations and functions, List of lists, Slicing, Searching and sorting list, List comprehension.	1 hour
Work with tuples. Sets. Work with dates and times.	1 hour
Dictionaries - Dictionary functions, dictionary literals, adding and removing keys, accessing and replacing values, traversing dictionaries, reverse lookup.	1 hour

Module 3 (6 hours)

Functions - Hiding redundancy and complexity.	1 hour
Variable scopes and parameter passing, Named arguments, Main function.	1 hour
Working with recursion, User Defined Functions – Defining, Calling.	1 hour
Types of Functions, Arguments and return values.	1 hour
Lambda functions.	1 hour
Strings - String Manipulation – Basic Operations, Slicing & Functions and Methods.	1 hour

Module 4 (6 hours)

Design with classes - Objects and Classes.	1 hour
Methods, Instance Variables.	1 hour
Constructor, Accessors and Mutators.	1 hour
Structuring classes with Inheritance and Polymorphism.	1 hour
Abstract Classes.	1 hour
Exceptions - Handle a single exception, Handle multiple exceptions.	1 hour

Module 5 (6 hours)

Overview – Environment- Application-Routing-variable rule	1 hour
URL building - HTTP methods	1 hour
Templates - static files	1 hour
Request object – Sending form data to template – cookie – sessions	1 hour
Redirect and errors – Message flashing	1 hour
File uploading – Sqlite – SQLAlchemy – Sijax – Deployment – Fast CGI.	1 hour

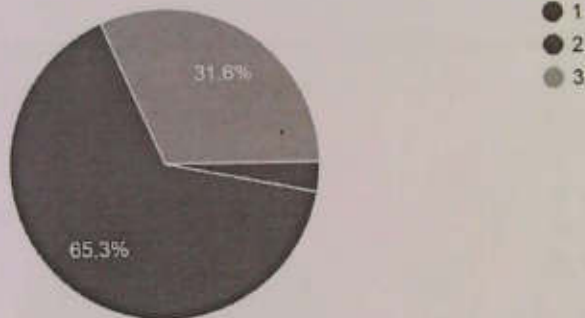
Handwritten signature

Books:

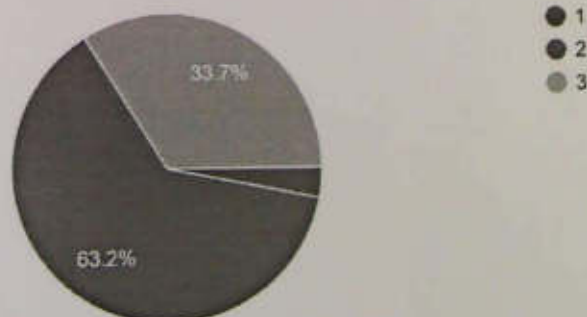
1. KennethALambert.,FundamentalsofPython:FirstPrograms,2/e,CengagePublishing,2016
2. WesMcKinney, PythonforDataAnalysis, 2/e, Shroff/O'ReillyPublishers,2017
3. Flask:BuildingPythonwebservices,JackStouffer,ShalabhAggarwal,GarethDwyer,PACKTPublishing Limited, 2018

Feedback from students:

On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor 2 - Satisfactory 3 - Excellent
95 responses

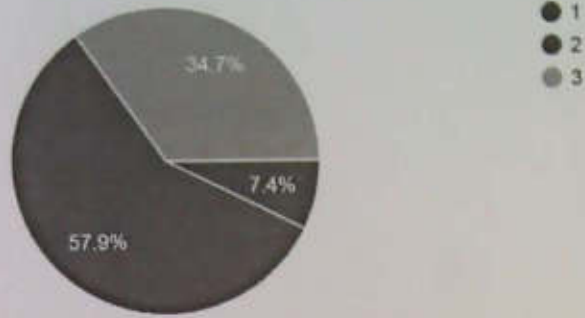


The software and tools discussed during this event were relevant and met your curriculum gaps.(PO1,PO3,PO5) 1 - Poor, 2 - Satisfactory, 3 - Excellent
95 responses



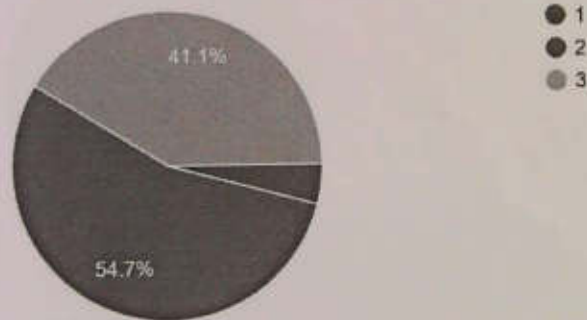
You got sufficient opportunity for exploring your creativity, technical skills and improving your design ideas in Python language? (PO3, PO5) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



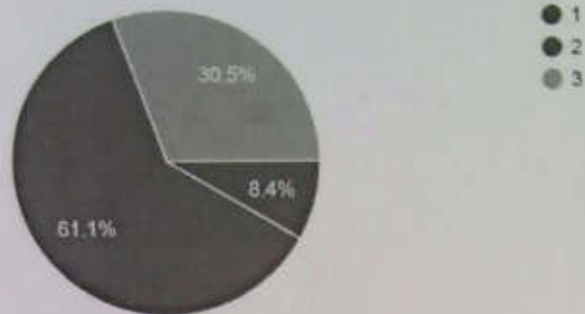
Were you able to perform effectively as an individual and as a team, and follow the instructions? (PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



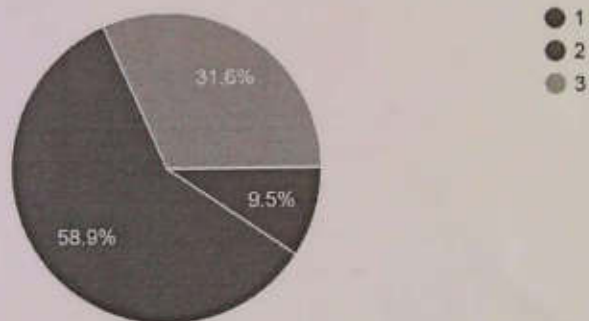
Were you able to analyse and implement complex problems ? (PO2 and PO4) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses

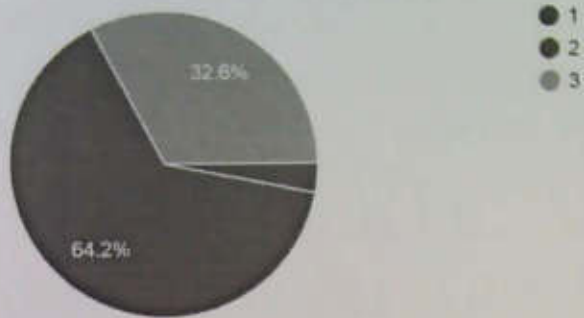


The software tools helped you in designing and developing a demonstrable project, which can be used in industrial sectors. (PO5, PO12) 1 - Poor 2 - Satisfactory 3 - Excellent

95 responses



What is your level of learning in Python programming after this add-on course? 1 - Poor 2 - Satisfactory 3 - Excellent
95 responses



Manju M.

MANJU M.
AP, CSE

SAMPLE CERTIFICATE



VIMAL JYOTHI
ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON
"OBJECT ORIENTED PROGRAMMING USING PYTHON"

CERTIFICATE
OF PARTICIPATION

THE FOLLOWING AWARD IS GIVEN TO

AKASH SANTHOSH

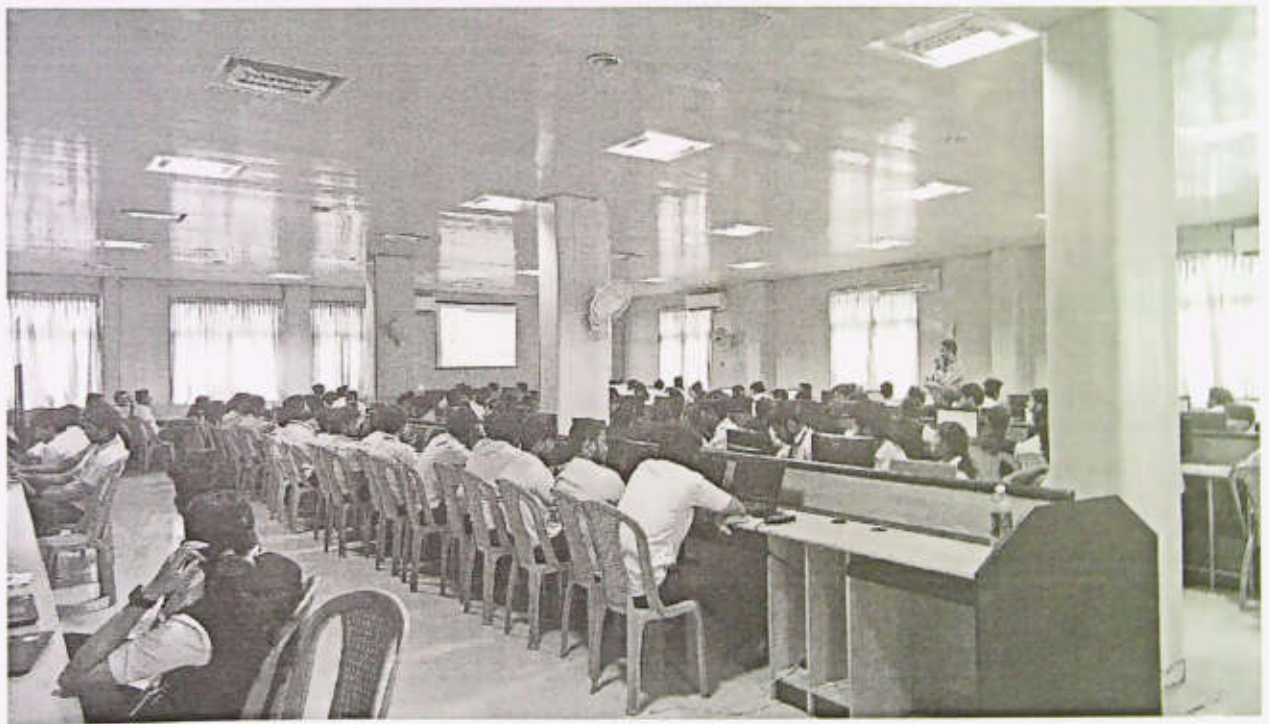
HAS PARTICIPATED VALUE ADDEED COURSE PROGRAMME ON "OBJECT ORIENTED PROGRAMMING
USING PYTHON" ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL
JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH PROGRESSUM
ON 15th to 19th MARCH 2023

Convener
Miss. Divya B
H.o.D, CSE



Dr. Benny Joseph
Principal

PHOTOS





Manju M
MANJU M
AP/CSE

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE A

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

No of students: 61

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%

Attainment Level 3 70 % of students score more than 45%

CO 1

Project Design
Provides a clear knowledge of how to write, test and debug Python programs.

SL. No. **Register No.** **Name of the student**

Max Mark

3

1	VML21CS001	Aadityan Harindran	3
2	VML21CS010	Abhinav M V	3
3	VML21CS013	Abhiram A	3
4	VML21CS015	Abhiram S Manoj	3
5	VML21CS018	Abin M Jose	3
6	VML21CS021	Adith Narayanan	3
7	VML21CS024	Agney J Purushotham	3
8	VML21CS027	Akash Santhosh	3
9	VML21CS029	Akhil Mathew George	3
10	VML21CS034	Albert Jose	3
11	VML21CS037	Alen Biju	3
12	VML21CS038	Alen Cherian	3
13	VML21CS039	Alen Kurian Joseph	3
14	VML21CS040	Alen.t.tom	3
15	VML21CS042	Alfi Siby	3
16	VML21CS044	Amal Cs	3
17	VML21CS047	Amalroy	3
18	VML21CS050	Amith T.v	3
19	VML21CS053	Anandhu Poyyil	3
20	VML21CS056	Ananya Praseed Kumar	3
21	VML21CS062	Aparna Bhaskar	3
22	VML21CS063	Arjun. Av	3
23	VML21CS065	Arjun.madathil	3
24	VML21CS068	Armond Jose	3
25	VML21CS071	Ashik Jhonson	3
26	VML21CS074	Aswin Udayan	3
27	VML21CS076	Athul Joy	3
28	VML21CS079	Azzah Waheed	3
29	VML21CS082	Darvin Sibi	3
30	VML21CS085	Dhanus Joy	3
31	VML21CS091	Gerald Siriac	3
32	VML21CS094	Goutham S Prasad	3
33	VML21CS097	Hooriyya Binth Khalid	3
34	VML21CS098	Jagath K	3
35	VML21CS100	Jeffin Jiju	3
36	VML21CS103	Jestin K S	3
37	VML21CS109	Joyal M Joseph	3
38	VML21CS113	Karthika K P	3
39	VML21CS116	K K Krishnanjana Deepak	3
40	VML21CS118	Lithin Krishnan	3
41	VML21CS120	Manasa N	3

42	VML21CS123	Mridula P T	3
43	VML21CS126	Muhammed Sabeeh C K	3
44	VML21CS130	Nadha A P	3
45	VML21CS134	Narthana Prasanth	3
46	VML21CS136	Navendu C	3
47	VML21CS139	Nived Manoj	3
48	VML21CS142	P J Joseph	3
49	VML21CS145	Rithika Reejith	3
50	VML21CS148	Rohit Philip	3
51	VML21CS151	Sanjiv R	3
52	VML21CS157	Seetha Lakshmi K A P	3
53	VML21CS160	Shawn Rajeev	3
54	VML21CS162	Shizin Abdul Nasar P	3
55	VML21CS164	Sivada N Rajeev	3
56	VML21CS167	Sreelakshmi V V	3
57	VML21CS169	Sreya Pavanan	3
58	VML21CS172	Tanvi Prashanth	3
59	VML21CS175	Treesa Sinta Saji	3
60	VML21CS178	Vaishnav Valsan	3
61	VML21CS184	Vyshnav Rajesh	3
Total Number of students attended			61
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			61
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2				
SL. No.	Register No.	Name of the student	Project Design Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	QUIZ
Max Mark			3	10
1	VML21CS001	Aadityan Harindran	3	-
2	VML21CS010	Abhinav M V	3	-
3	VML21CS013	Abhiram A	3	-
4	VML21CS015	Abhiram S Manoj	3	-
5	VML21CS018	Abin M Jose	3	-
6	VML21CS021	Adith Narayanan	3	-
7	VML21CS024	Agney J Purushotham	3	-
8	VML21CS027	Akash Santhosh	3	5
9	VML21CS029	Akhil Mathew George	3	7
10	VML21CS034	Albert Jose	3	7
11	VML21CS037	Alen Biju	3	-
12	VML21CS038	Alen Cherian	3	7
13	VML21CS039	Alen Kurian Joseph	3	8
14	VML21CS040	Alen.t.tom	3	-
15	VML21CS042	Alfi Siby	3	-
16	VML21CS044	Amal Cs	3	7
17	VML21CS047	Amalroy	3	-
18	VML21CS050	Amith T.v	3	-
19	VML21CS053	Anandhu Poyyil	3	-
20	VML21CS056	Ananya Praseed Kumar	3	6
21	VML21CS062	Aparna Bhaskar	3	2
22	VML21CS063	Arjun. Av	3	-
23	VML21CS065	Arjun.madathil	3	-
24	VML21CS068	Armond Jose	3	4
25	VML21CS071	Ashik Jhonson	3	7
26	VML21CS074	Aswin Udayan	3	7
27	VML21CS076	Athul Joy	3	-
28	VML21CS079	Azzah Waheed	3	6
29	VML21CS082	Darvin Sibi	3	-
30	VML21CS085	Dhanus Joy	3	-
31	VML21CS091	Gerald Siriac	3	5
32	VML21CS094	Goutham S Prasad	3	3
33	VML21CS097	Hooriyya Bintah Khalid	3	5
34	VML21CS098	Jagath K	3	-
35	VML21CS100	Jeffin Jiju	3	-
36	VML21CS103	Jestin K S	3	6
37	VML21CS109	Joyal M Joseph	3	7
38	VML21CS113	Karthika K P	3	2
39	VML21CS116	K K Krishnanjana Deepak	3	-

40	VML21CS118	Lithin Krishnan	3	-
41	VML21CS120	Manasa N	3	-
42	VML21CS123	Mridula P T	3	-
43	VML21CS126	Muhammed Sabeeh C K	3	-
44	VML21CS130	Nadha A P	3	-
45	VML21CS134	Narthana Prasanth	3	5
46	VML21CS136	Navendu C	3	-
47	VML21CS139	Nived Manoj	3	-
48	VML21CS142	P J Joseph	3	-
49	VML21CS145	Rithika Reejith	3	-
50	VML21CS148	Rohit Philip	3	-
51	VML21CS151	Sanjiv R	3	8
52	VML21CS157	Seetha Lakshmi K A P	3	4
53	VML21CS160	Shawn Rajeev	3	-
54	VML21CS162	Shizin Abdul Nasar P	3	-
55	VML21CS164	Sivada N Rajeev	3	6
56	VML21CS167	Sreelakshmi V V	3	-
57	VML21CS169	Sreya Pavanan	3	4
58	VML21CS172	Tanvi Prashanth	3	3
59	VML21CS175	Treesa Sinta Saji	3	-
60	VML21CS178	Vaishnav Valsan	3	-
61	VML21CS184	Vyshnav Rajesh	3	-
Total Number of students attended			61	24
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (61	17
Attainment percentage			100	70.83333333
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

CO 3

CO 3			Project Design
SL. No.	Register No.	Name of the student	Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries.
Max Mark			3
1	VML21CS001	Aadityan Harindran	3
2	VML21CS010	Abhinav M V	3
3	VML21CS013	Abhiram A	3
4	VML21CS015	Abhiram S Manoj	3
5	VML21CS018	Abin M Jose	3
6	VML21CS021	Adith Narayanan	3
7	VML21CS024	Agncy J Purushotham	3
8	VML21CS027	Akash Santhosh	3
9	VML21CS029	Akhil Mathew George	3
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11	VML21CS037	Alen Biju	3
12	VML21CS038	Alen Cherian	3
13	VML21CS039	Alen Kurian Joseph	3
14	VML21CS040	Alen.t.tom	3
15	VML21CS042	Alfi Siby	3
16	VML21CS044	Amal Cs	3
17	VML21CS047	Amalroy	3
18	VML21CS050	Amith T.v	3
19	VML21CS053	Anandhu Poyyil	3
20	VML21CS056	Ananya Praseed Kumar	3
21	VML21CS062	Aparna Bhaskar	3
22	VML21CS063	Arjun. Av	3
23	VML21CS065	Arjun.madathil	3
24	VML21CS068	Armond Jose	3
25	VML21CS071	Ashik Jhonson	3
26	VML21CS074	Aswin Udayan	3
27	VML21CS076	Athul Joy	3
28	VML21CS079	Azzah Waheed	3
29	VML21CS082	Darvin Sibi	3
30	VML21CS085	Dhanus Joy	3
31	VML21CS091	Gerald Siriac	3
32	VML21CS094	Goutham S Prasad	3
33	VML21CS097	Hooriyya Binth Khalid	3
34	VML21CS098	Jagath K	3
35	VML21CS100	Jeffin Jiju	3
36	VML21CS103	Jestin K S	3
37	VML21CS109	Joyal M Joseph	3
38	VML21CS113	Karthika K P	3

39	VML21CS116	K K Krishnanjana Deepak	3
40	VML21CS118	Lithin Krishnan	3
41	VML21CS120	Manasa N	3
42	VML21CS123	Mridula P T	3
43	VML21CS126	Muhammed Sabeeh C K	3
44	VML21CS130	Nadha A P	3
45	VML21CS134	Narthana Prasanth	3
46	VML21CS136	Navendu C	3
47	VML21CS139	Nived Manoj	3
48	VML21CS142	P J Joseph	3
49	VML21CS145	Rithika Reejith	3
50	VML21CS148	Rohit Philip	3
51	VML21CS151	Sanjiv R	3
52	VML21CS157	Seetha Lakshmi K A P	3
53	VML21CS160	Shawn Rajeev	3
54	VML21CS162	Shizin Abdul Nasar P	3
55	VML21CS164	Sivada N Rajeev	3
56	VML21CS167	Sreelakshmi V V	3
57	VML21CS169	Sreya Pavanan	3
58	VML21CS172	Tanvi Prashanth	3
59	VML21CS175	Treesa Sinta Saji	3
60	VML21CS178	Vaishnav Valsan	3
61	VML21CS184	Vyshnav Rajesh	3
Total Number of students attended			61
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			61
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 4

SL. No.	Register No.	Name of the student	Project Design	Implementation
			Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries.	Demonstrates proficiency in using Python and Flask , to develop the object oriented application.
Max Mark			3	10
1	VML21CS001	Aadityan Harindran	3	10
2	VML21CS010	Abhinav M V	3	10
3	VML21CS013	Abhiram A	3	10
4	VML21CS015	Abhiram S Manoj	3	10
5	VML21CS018	Abin M Jose	3	10
6	VML21CS021	Adith Narayanan	3	10
7	VML21CS024	Agney J Purushotham	3	10
8	VML21CS027	Akash Santhosh	3	10
9	VML21CS029	Akhil Mathew George	3	10
10	VML21CS034	Albert Jose	3	10
11	VML21CS037	Alen Biju	3	10
12	VML21CS038	Alen Cherian	3	10
13	VML21CS039	Alen Kurian Joseph	3	10
14	VML21CS040	Alen.t.tom	3	10
15	VML21CS042	Alfi Siby	3	10
16	VML21CS044	Amal Cs	3	10
17	VML21CS047	Amalroy	3	10
18	VML21CS050	Amith T.v	3	10
19	VML21CS053	Anandhu Poyyil	3	10
20	VML21CS056	Ananya Praseed Kumar	3	10
21	VML21CS062	Aparna Bhaskar	2	10
22	VML21CS063	Arjun. Av	2	10
23	VML21CS065	Arjun.madathil	2	10
24	VML21CS068	Armond Jose	2	10
25	VML21CS071	Ashik Jhonson	2	10
26	VML21CS074	Aswin Udayan	2	10
27	VML21CS076	Athul Joy	2	10
28	VML21CS079	Azzah Waheed	2	10
29	VML21CS082	Darvin Sibi	2	10
30	VML21CS085	Dhanus Joy	2	10
31	VML21CS091	Gerald Siriac	3	10
32	VML21CS094	Goutham S Prasad	3	10
33	VML21CS097	Hooriyya Binth Khalid	3	10
34	VML21CS098	Jagath K	3	10
35	VML21CS100	Jeffin Jiju	3	10
36	VML21CS103	Jestin K S	3	10
37	VML21CS109	Joyal M Joseph	3	10
38	VML21CS113	Karthika K P	3	10

39	VML21CS116	K K Krishnanjana Deepak	3	10
40	VML21CS118	Lithin Krishnan	3	10
41	VML21CS120	Manasa N	3	10
42	VML21CS123	Mridula P T	3	10
43	VML21CS126	Muhammed Sabeeh C K	3	10
44	VML21CS130	Nadha A P	3	10
45	VML21CS134	Narthana Prasanth	3	10
46	VML21CS136	Navendu C	3	10
47	VML21CS139	Nived Manoj	3	10
48	VML21CS142	P J Joseph	3	10
49	VML21CS145	Rithika Reejith	3	10
50	VML21CS148	Rohit Philip	3	10
51	VML21CS151	Sanjiv R	3	10
52	VML21CS157	Seetha Lakshmi K A P	3	10
53	VML21CS160	Shawn Rajeev	3	10
54	VML21CS162	Shizin Abdul Nasar P	3	10
55	VML21CS164	Sivada N Rajeev	3	10
56	VML21CS167	Sreelakshmi V V	3	10
57	VML21CS169	Sreya Pavanan	3	10
58	VML21CS172	Tanvi Prashanth	3	10
59	VML21CS175	Treesa Sinta Saji	3	10
60	VML21CS178	Vaishnav Valsan	3	10
61	VML21CS184	Vyshnav Rajesh	3	10
Total Number of students attended			61	61
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved			61	61
Attainment percentage			100	100
Attainment Level			3	3
Total Attainment OF Each section			3	
Project Attainment			3	
Other Assessment			0	

CO 5					
SL. No.	Register No.	Name of the student	Project Design Provides successful implementation of the design using Object Oriented concepts.	Implementation Successfully deploys the application.	Report Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
Max Mark			3	10	5
1	VML21CS001	Aadityan Harindran	3	10	5
2	VML21CS010	Abhinav M V	3	10	5
3	VML21CS013	Abhiram A	3	10	5
4	VML21CS015	Abhiram S Manoj	3	10	5
5	VML21CS018	Abin M Jose	3	10	5
6	VML21CS021	Adith Narayanan	3	10	5
7	VML21CS024	Agney J Purushotham	3	10	5
8	VML21CS027	Akash Santhosh	3	10	5
9	VML21CS029	Akhil Mathew George	3	10	5
10	VML21CS034	Albert Jose	3	10	5
11	VML21CS037	Alen Biju	3	10	5
12	VML21CS038	Alen Cherian	3	10	5
13	VML21CS039	Alen Kurian Joseph	3	10	5
14	VML21CS040	Alen.t.tom	3	10	5
15	VML21CS042	Alfi Siby	3	10	5
16	VML21CS044	Amal Cs	3	10	5
17	VML21CS047	Amalroy	3	10	5
18	VML21CS050	Amith T.v	3	10	5
19	VML21CS053	Anandhu Poyyil	3	10	5
20	VML21CS056	Ananya Praseed Kumar	3	10	5
21	VML21CS062	Aparna Bhaskar	2	10	5
22	VML21CS063	Arjun. Av	2	10	5
23	VML21CS065	Arjun.madathil	2	10	5
24	VML21CS068	Armond Jose	2	10	5
25	VML21CS071	Ashik Jhonson	2	10	5
26	VML21CS074	Aswin Udayan	2	10	5
27	VML21CS076	Athul Joy	2	10	5
28	VML21CS079	Azzah Waheed	2	10	5
29	VML21CS082	Darvin Sibi	2	10	5
30	VML21CS085	Dhanus Joy	2	10	5
31	VML21CS091	Gerald Siriac	3	10	5
32	VML21CS094	Goutham S Prasad	3	10	5
33	VML21CS097	Hooriyya Binth Khalid	3	10	5
34	VML21CS098	Jagath K	3	10	5
35	VML21CS100	Jeffin Jiju	3	10	5

36	VML21CS103	Jestin K S			
37	VML21CS109	Joyal M Joseph	3	10	5
38	VML21CS113	Karthika K P	3	10	5
39	VML21CS116	K K Krishnanjana Deepak	3	10	5
40	VML21CS118	Lithin Krishnan	3	10	5
41	VML21CS120	Manasa N	3	10	5
42	VML21CS123	Mridula P T	3	10	5
43	VML21CS126	Muhammed Sabeeh C K	3	10	5
44	VML21CS130	Nadha A P	3	10	5
45	VML21CS134	Narthana Prasanth	3	10	5
46	VML21CS136	Navendu C	3	10	5
47	VML21CS139	Nived Manoj	3	10	5
48	VML21CS142	P J Joseph	3	10	5
49	VML21CS145	Rithika Reejith	3	10	5
50	VML21CS148	Rohit Philip	3	10	5
51	VML21CS151	Sanjiv R	2	10	5
52	VML21CS157	Seetha Lakshmi K A P	2	10	5
53	VML21CS160	Shawn Rajeev	2	10	5
54	VML21CS162	Shizin Abdul Nasar P	2	10	5
55	VML21CS164	Sivada N Rajeev	2	10	5
56	VML21CS167	Sreelakshmi V V	2	10	5
57	VML21CS169	Sreya Pavanan	2	10	5
58	VML21CS172	Tanvi Prashanth	2	10	5
59	VML21CS175	Treesa Sinta Saji	2	10	5
60	VML21CS178	Vaishnav Valsan	2	10	5
61	VML21CS184	Vyshnav Rajesh	2	10	5
Total Number of students attended			61	61	61
Target (45%) Mark			1.35	4.5	2.25
Total Number of students who have achieved			61	61	61
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

MANJU M. *Manju M.*

PO ATTAINMENT

Batch : 2021-2025 CSE A

Year of study: 2022-2023

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *Manju*

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE B

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHADA C.

No of students: 60

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%

Attainment Level 3 70 % of students score more than 45%

CO 1

CO 1			Project Design
SL. No.	Register No.	Name of the student	Provides a clear knowledge of how to write, test and debug Python programs.
Max Mark			3
1	VML21CS002	AAKIF ALTHAF	3
2	VML21CS004	ABHIJITH A	3
3	VML21CS007	ABHIJITH T	3
4	VML21CS012	ABHINAV P P	3
5	VML21CS016	ABHISHEK K V	3
6	VML21CS019	ADARSH JOHNSON	3
7	VML21CS020	ADHARV S KUMAR	3
8	VML21CS022	ADITHYA PRAKASH	3
9	VML21CS025	AJAY M	3
10	VML21CS028	AKHIL C J	3
11	VML21CS031	AKSHAY VIJAYAN	3
12	VML21CS032	ALAN JOSEPH NORBERT	3
13	VML21CS035	ALBIN PHILIP	3
14	VML21CS036	ALEENA N	3
15	VML21CS041	ALFIN SHAJI	3
16	VML21CS045	AMAL JERRY	3
17	VML21CS048	AMAL T	3
18	VML21CS051	ANAGHA NAGESH	3
19	VML21CS052	ANANDHU K P	3
20	VML21CS057	ANNA MARIA	3
21	VML21CS060	ANUGRAHA VV	3
22	VML21CS066	ARJUN NV	3
23	VML21CS069	ARUN THOMAS	3
24	VML21CS072	ASHISH JOSEPH	3
25	VML21CS077	AVANTHIKA KAKKADAN	3
26	VML21CS080	BASIL BENNY	3
27	VML21CS083	DEEPIKA P	3
28	VML21CS086	DONA XAVIER	3
29	VML21CS089	GAYATHRI KRISHNA K V	3
30	VML21CS092	GODWIN PAUL	3
31	VML21CS095	HANA NOUFAL	3
32	VML21CS101	JERIN K SAJU	3
33	VML21CS104	JEWEL DENCIL	3
34	VML21CS105	JIKSON JIMMY	3
35	VML21CS107	JOEL MATHEW SIBY	3
36	VML21CS110	JUSTIN JAMES THOMAS	3
37	VML21CS112	KAMAL SURESH	3
38	VML21CS114	KARTHIK P	3
39	VML21CS115	KEERTHANA K	3
40	VML21CS119	M AKASH	3
41	VML21CS121	MINHAJ AHAMMED T K	3

42	VML21CS127	MUHAMMED SHABAS	3
43	VML21CS132	NANDANA SAJI	3
44	VML21CS133	NANDANA T	3
45	VML21CS135	NATHASHA ADARSH	3
46	VML21CS138	NIVEDH DINESH	3
47	VML21CS140	NIVED O	3
48	VML21CS143	RAJALAKSHMI S	3
49	VML21CS149	SAFWAN V P	3
50	VML21CS152	SANTHI PRIYA	3
51	VML21CS155	SAYANTH SANTHOSH	3
52	VML21CS158	SHARON DAWSON	3
53	VML21CS165	SKILL C H	3
54	VML21CS170	SREYA SREEDHAR	3
55	VML21CS173	THARUN K C	3
56	VML21CS179	VISHAKH SATHEESH	3
57	VML21CS182	VISHNU PRIYA A P	3
58	SNC21CS026	HRIDWETHA CHITRAN	3
59	SIT21CS022	HRITHIKA PRADEEP	3
60	LVML21CS185	NIVED K SURENDRAN	3
Total Number of students attended			60
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			60
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2

SL. No.	Register No.	Name of the student	Project Design	QUIZ
			Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	
Max Mark			3	10
1	VML21CS002	AAKIF ALTHAF	3	9
2	VML21CS004	ABHIJITH A	3	-
3	VML21CS007	ABHIJITH T	3	-
4	VML21CS012	ABHINAV P P	3	-
5	VML21CS016	ABHISHEK K V	3	7
6	VML21CS019	ADARSH JOHNSON	3	-
7	VML21CS020	ADHARV S KUMAR	3	5
8	VML21CS022	ADITHYA PRAKASH	3	-
9	VML21CS025	AJAY M	3	-
10	VML21CS028	AKHIL C J	3	4
11	VML21CS031	AKSHAY VIJAYAN	3	4
12	VML21CS032	ALAN JOSEPH NORBERT	3	-
13	VML21CS035	ALBIN PHILIP	3	-
14	VML21CS036	ALEENA N	3	-
15	VML21CS041	ALFIN SHAJI	3	6
16	VML21CS045	AMAL JERRY	3	8
17	VML21CS048	AMAL T	3	-
18	VML21CS051	ANAGHA NAGESH	3	-
19	VML21CS052	ANANDHU K P	3	7
20	VML21CS057	ANNA MARIA	3	4
21	VML21CS060	ANUGRAHA VV	3	-
22	VML21CS066	ARJUN NV	3	-
23	VML21CS069	ARUN THOMAS	3	-
24	VML21CS072	ASHISH JOSEPH	3	5
25	VML21CS077	AVANTHIKA KAKKADAN	3	6
26	VML21CS080	BASIL BENNY	3	-
27	VML21CS083	DEEPIKA P	3	6
28	VML21CS086	DONA XAVIER	3	6
29	VML21CS089	GAYATHRI KRISHNA K V	3	-
30	VML21CS092	GODWIN PAUL	3	7
31	VML21CS095	HANA NOUFAL	3	7
32	VML21CS101	JERIN K SAJU	3	7
33	VML21CS104	JEWEL DENCIL	3	-
34	VML21CS105	JIKSON JIMMY	3	6
35	VML21CS107	JOEL MATHEW SIBY	3	7
36	VML21CS110	JUSTIN JAMES THOMAS	3	7
37	VML21CS112	KAMAL SURESH	3	-
38	VML21CS114	KARTHIK P	3	-
39	VML21CS115	KEERTHANA K	3	5
40	VML21CS119	M AKASH	3	5
41	VML21CS121	MINHAJ AHAMMED T K	3	7

42	VML21CS127	MUHAMMED SHABAS	3	8
43	VML21CS132	NANDANA SAJI	3	6
44	VML21CS133	NANDANA T	3	4
45	VML21CS135	NATHASHA ADARSH	3	-
46	VML21CS138	NIVEDH DINESH	3	-
47	VML21CS140	NIVED O	3	6
48	VML21CS143	RAJALAKSHMI S	3	8
49	VML21CS149	SAFWAN V P	3	7
50	VML21CS152	SANTHI PRIYA	3	4
51	VML21CS155	SAYANTH SANTHOSH	3	-
52	VML21CS158	SHARON DAWSON	3	-
53	VML21CS165	SKILL C H	3	-
54	VML21CS170	SREYA SREEDHAR	3	-
55	VML21CS173	THARUN K C	3	7
56	VML21CS179	VISHAKH SATHEESH	3	-
57	VML21CS182	VISHNU PRIYA A P	3	-
58	SNC21CS026	HRIDWETHA CHITRAN	3	6
59	SIT21CS022	HRITHIKA PRADEEP	3	5
60	LVML21CS185	NIVED K SURENDRAN	3	-
Total Number of students attended			60	32
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (45			60	27
Attainment percentage			100	84.375
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

C05

SL. No.	Register No.	Name of the student	Project Design	Implementation	Report
			Provides successful implementation of the design using Object Oriented concepts.	Successfully deploys the application.	Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
Max Mark			3	10	3
1	VML21CS002	AAKIF ALTHAF	3	10	3
2	VML21CS004	ABHIJITH A	3	10	3
3	VML21CS007	ABHIJITH T	3	10	3
4	VML21CS012	ABHINAV P P	3	10	3
5	VML21CS016	ABHISHEK K V	3	10	3
6	VML21CS019	ADARSH JOHNSON	3	10	3
7	VML21CS020	ADHARV S KUMAR	3	10	3
8	VML21CS022	ADITHYA PRAKASH	3	10	3
9	VML21CS025	AJAY M	3	10	3
10	VML21CS028	AKHIL C J	3	10	3
11	VML21CS031	AKSHAY VIJAYAN	3	10	3
12	VML21CS032	ALAN JOSEPH NORBERT	3	10	3
13	VML21CS035	ALBIN PHILIP	3	10	3
14	VML21CS036	ALEENA N	3	10	3
15	VML21CS041	ALFIN SHAJI	3	10	3
16	VML21CS045	AMAL JERRY	3	10	3
17	VML21CS048	AMAL T	3	10	3
18	VML21CS051	ANAGHA NAGESH	3	10	3
19	VML21CS052	ANANDHU K P	3	10	3
20	VML21CS057	ANNA MARIA	3	10	3
21	VML21CS060	ANUGRAHA VV	3	10	3
22	VML21CS066	ARJUN NV	3	10	3
23	VML21CS069	ARUN THOMAS	3	10	3
24	VML21CS072	ASHISH JOSEPH	3	10	3
25	VML21CS077	AVANTHIKA KAKKADAN	3	10	3
26	VML21CS080	BASIL BENNY	3	10	3
27	VML21CS083	DEEPIKA P	3	10	3
28	VML21CS086	DONA XAVIER	3	10	3
29	VML21CS089	GAYATHRI KRISHNA K V	3	10	3
30	VML21CS092	GODWIN PAUL	3	10	3
31	VML21CS095	HANA NOUFAL	3	10	3
32	VML21CS101	JERIN K SAJU	3	10	3
33	VML21CS104	JEWEL DENCIL	3	10	3
34	VML21CS105	JIKSON JIMMY	3	10	3
35	VML21CS107	JOEL MATHEW SIBY	3	10	3

36	VML21CS110	JUSTIN JAMES THOMAS	3	10	3
37	VML21CS112	KAMAL SURESH	3	10	3
38	VML21CS114	KARTHIK P	3	10	3
39	VML21CS115	KEERTHANA K	3	10	3
40	VML21CS119	M AKASH	3	10	3
41	VML21CS121	MINHAJ AHAMMED T K	3	10	3
42	VML21CS127	MUHAMMED SHABAS	3	10	3
43	VML21CS132	NANDANA SAJI	3	10	3
44	VML21CS133	NANDANA T	3	10	3
45	VML21CS135	NATHASHA ADARSH	3	10	3
46	VML21CS138	NIVEDH DINESH	3	10	3
47	VML21CS140	NIVED O	3	10	3
48	VML21CS143	RAJALAKSHMI S	3	10	3
49	VML21CS149	SAFWAN V P	3	10	3
50	VML21CS152	SANTHI PRIYA	3	10	3
51	VML21CS155	SAYANTH SANTHOSH	2	10	3
52	VML21CS158	SHARON DAWSON	2	10	3
53	VML21CS165	SKILL C H	2	10	3
54	V ML21CS170	SREYA SREEDHAR	2	10	3
55	VML21CS173	THARUN K C	2	10	3
56	VML21CS179	VISHAKH SATHEESH	2	10	3
57	VML21CS182	VISHNU PRIYA A P	2	10	3
58	SNC21CS026	HRIDWETHA CHITRAN	2	10	3
59	SIT21CS022	HRITHIKA PRADEEP	2	10	3
60	LVML21CS185	NIVED K SURENDRAN	2	10	3
Total Number of students attended			60	60	60
Target (45%) Mark			1.35	4.5	1.35
Total Number of students who have achieved			60	60	60
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

MANJU M. *[Signature]*

PO ATTAINMENT

Batch : 2021-2025 CSE B

Year of study: 2022-2023

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHADDA C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *Manju*

VIMAL JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Batch : 2021-2025 CSE C

Year of study: 2021-2025

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

No of students: 62

CO1	Provides a clear knowledge of how to write, test and debug Python programs.
CO2	Illustrates the use of conditional and iterative statements in Python programs.
CO3	Understand data structures such as Lists, Tuples, Sets And Dictionaries.
CO4	Understand how to develop graphical user interface for solutions using Python libraries.
CO5	Design, build, and deploy Object Oriented Programming applications.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	3	2	2	2	2	-	-	-	-	-	-	3	-	-
AVERAGE	3	2	2	2	2	-	-	-	-	-	-	3	-	-

Attainment Level Attainment score given, when

Attainment Level 1 50 % of students score more than 45%

Attainment Level 2 60 % of students score more than 45%

Attainment Level 3 70 % of students score more than 45%

CO 1

CO 1			Project Design
SL. No.	Register No.	Name of the student	Provides a clear knowledge of how to write, test and debug Python programs.
Max Mark			3
1	VML21CS003	ABHAY KV	3
2	VML21CS006	ABHIJITH E S	3
3	VML21CS008	ABHINAV K	3
4	VML21CS009	ABHINAV K	3
5	VML21CS011	ABHINAV P P	3
6	VML21CS014	ABHIRAM MANOJ	3
7	VML21CS017	ABHISHEK P	3
8	VML21CS023	ADWAITH ASHOKAN	3
9	VML21CS026	AKASH E	3
10	VML21CS030	AKSHAY DEVARAJAN	3
11	VML21CS033	ALAT JOSEPH	3
12	VML21CS043	AMAL BHAGYADAS	3
13	VML21CS046	AMAL ROY	3
14	VML21CS049	AMEESHA P JOSEPH	3
15	VML21CS054	ANAND SHIVARAM	3
16	VML21CS055	ANANDU RAMESH	3
17	VML21CS058	ANSIYA K P	3
18	VML21CS059	ANTO JOSEPH	3
19	VML21CS061	ANUSREE K	3
20	VML21CS064	ARJUN BIJU	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3
22	VML21CS070	ASHFAH ASHRAF	3
23	VML21CS073	ASWANTH K M	3
24	VML21CS075	ATHUL AUGUSTINE	3
25	VML21CS078	AVINASH DINESH	3
26	VML21CS081	BHARADWAJ N K	3
27	VML21CS084	DELIN BENNY	3
28	VML21CS087	FAHMI M	3
29	VML21CS088	FOUZAN P	3
30	VML21CS090	GEO M BENNY	3
31	VML21CS093	GOUTHAM K LAL	3
32	VML21CS096	HARIKRISHNA P.V	3
33	VML21CS099	JANAK RAMESH	3
34	VML21CS102	JERITT JITHIN	3
35	VML21CS106	JOEL MATHEW	3
36	VML21CS108	JOSHUA SAJEEV	3
37	VML21CS111	JYOTHIS PAUL	3
38	VML21CS117	LAKSHMI HARIDASAN	3
39	VML21CS129	M V NAVANEETH	3
40	VML21CS122	MOHITH PRAKASH	3
41	VML21CS125	MUHAMMED RIHAN AC	3

42	VML21CS128	MUSHARAF MUSTHAF	3
43	VML21CS131	NANDANARAJ	3
44	VML21CS137	NEHA	3
45	VML21CS141	NIVED SUNIL	3
46	VML21CS144	RICHA ROY	3
47	VML21CS146	RITHUL K RAJESH	3
48	VML21CS147	ROBIN C.B	3
49	VML21CS150	SANGEETHA RAMAKRISHNA	3
50	VML21CS153	SAYANTH KP	3
51	VML21CS154	SAYANTH P	3
52	VML21CS159	SHARON MK	3
53	VML21CS161	SHILPA C	3
54	VML21CS163	SHYAMDEV K	3
55	VML21CS166	SOORYA NATH M	3
56	VML21CS168	SREYA MC	3
57	VML21CS171	SWATHI KRISHNA	3
58	VML21CS174	TINA THOMAS	3
59	VML21CS176	VAIBHAV PRASANNAN	3
60	VML21CS177	VAISAKH P	3
61	VML21CS180	VISHAL KRISHNA U V P	3
62	VML21CS183	VIVEK RAJEEV V	3
Total Number of students attended			62
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			62
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 2

SL. No.	Register No.	Name of the student	Project Design	QUIZ
			Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs.	
Max Mark			3	10
1	VML21CS003	ABHAY KV	3	5
2	VML21CS006	ABHIJITH E S	3	-
3	VML21CS008	ABHINAV K	3	6
4	VML21CS009	ABHINAV K	3	5
5	VML21CS011	ABHINAV P P	3	7
6	VML21CS014	ABHIRAM MANOJ	3	6
7	VML21CS017	ABHISHEK P	3	5
8	VML21CS023	ADWAITH ASHOKAN	3	5
9	VML21CS026	AKASH E	3	-
10	VML21CS030	AKSHAY DEVARAJAN	3	-
11	VML21CS033	ALAT JOSEPH	3	5
12	VML21CS043	AMAL BHAGYADAS	3	6
13	VML21CS046	AMAL ROY	3	7
14	VML21CS049	AMEESHA P JOSEPH	3	5
15	VML21CS054	ANAND SHIVARAM	3	6
16	VML21CS055	ANANDU RAMESH	3	6
17	VML21CS058	ANSIYA K P	3	4
18	VML21CS059	ANTO JOSEPH	3	5
19	VML21CS061	ANUSREE K	3	5
20	VML21CS064	ARJUN BIJU	3	4
21	VML21CS067	ARLIN PHILIP SHYJAN	3	8
22	VML21CS070	ASHFAH ASHRAF	3	5
23	VML21CS073	ASWANTH K M	3	7
24	VML21CS075	ATHUL AUGUSTINE	3	-
25	VML21CS078	AVINASH DINESH	3	-
26	VML21CS081	BHARADWAJ N K	3	7
27	VML21CS084	DELIN BENNY	3	-
28	VML21CS087	FAHMI M	3	8
29	VML21CS088	FOUZAN P	3	-
30	VML21CS090	GEO M BENNY	3	-
31	VML21CS093	GOUTHAM K LAL	3	-
32	VML21CS096	HARIKRISHNA P.V	3	-
33	VML21CS099	JANAK RAMESH	3	7
34	VML21CS102	JERITT JITHIN	3	-
35	VML21CS106	JOEL MATHEW	3	-
36	VML21CS108	JOSHUA SAJEEV	3	6
37	VML21CS111	JYOTHIS PAUL	3	6
38	VML21CS117	LAKSHMI HARIDASAN	3	6
39	VML21CS129	M V NAVANEETH	3	7
40	VML21CS122	MOHITH PRAKASH	3	5

41	VML21CS125	MUHAMMED RIHAN AC	3	-
42	VML21CS128	MUSHARAF MUSTHAF	3	-
43	VML21CS131	NANDANARAJ	3	5
44	VML21CS137	NEHA	3	5
45	VML21CS141	NIVED SUNIL	3	5
46	VML21CS144	RICHA ROY	3	8
47	VML21CS146	RITHUL K RAJESH	3	6
48	VML21CS147	ROBIN C.B	3	5
49	VML21CS150	SANGEETHA RAMAKRIS	3	7
50	VML21CS153	SAYANTH KP	3	8
51	VML21CS154	SAYANTH P	3	5
52	VML21CS159	SHARON MK	3	6
53	VML21CS161	SHILPA C	3	5
54	VML21CS163	SHYAMDEV K	3	5
55	VML21CS166	SOORYA NATH M	3	7
56	VML21CS168	SREYA MC	3	7
57	VML21CS171	SWATHI KRISHNA	3	3
58	VML21CS174	TINA THOMAS	3	6
59	VML21CS176	VAIBHAV PRASANNAN	3	-
60	VML21CS177	VAISAKH P	3	-
61	VML21CS180	VISHAL KRISHNA U V P	3	5
62	VML21CS183	VIVEK RAJEEV V	3	6
Total Number of students attended			62	46
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target (45			62	43
Attainment percentage			100	93.47826087
Attainment Level			3	3
Total Attainment OF Each section			3	3
Project Attainment			3	
Other Assessment			3	

CO 3

CO 3			Project Design
			Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries.
SL. No.	Register No.	Name of the student	
Max Mark			3
1	VML21CS003	ABHAY KV	3
2	VML21CS006	ABHIJITH E S	3
3	VML21CS008	ABHINAV K	3
4	VML21CS009	ABHINAV K	3
5	VML21CS011	ABHINAV P P	3
6	VML21CS014	ABHIRAM MANOJ	3
7	VML21CS017	ABHISHEK P	3
8	VML21CS023	ADWAITH ASHOKAN	3
9	VML21CS026	AKASH E	3
10	VML21CS030	AKSHAY DEVARAJAN	3
11	VML21CS033	ALAT JOSEPH	3
12	VML21CS043	AMAL BHAGYADAS	3
13	VML21CS046	AMAL ROY	3
14	VML21CS049	AMEESHA P JOSEPH	3
15	VML21CS054	ANAND SHIVARAM	3
16	VML21CS055	ANANDU RAMESH	3
17	VML21CS058	ANSIYA K P	3
18	VML21CS059	ANTO JOSEPH	3
19	VML21CS061	ANUSREE K	3
20	VML21CS064	ARJUN BIJU	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3
22	VML21CS070	ASHFAH ASHRAF	3
23	VML21CS073	ASWANTH K M	3
24	VML21CS075	ATHUL AUGUSTINE	3
25	VML21CS078	AVINASH DINESH	3
26	VML21CS081	BHARADWAJ N K	3
27	VML21CS084	DELIN BENNY	3
28	VML21CS087	FAHMI M	3
29	VML21CS088	FOUZAN P	3
30	VML21CS090	GEO M BENNY	3
31	VML21CS093	GOUTHAM K LAL	3
32	VML21CS096	HARIKRISHNA P.V	3
33	VML21CS099	JANAK RAMESH	3
34	VML21CS102	JERITT JITHIN	3
35	VML21CS106	JOEL MATHEW	3
36	VML21CS108	JOSHUA SAJEEV	3
37	VML21CS111	JYOTHIS PAUL	3
38	VML21CS117	LAKSHMI HARIDASAN	3

39	VML21CS129	M V NAVANEETH	3
40	VML21CS122	MOHITH PRAKASH	3
41	VML21CS125	MUHAMMED RIHAN AC	3
42	VML21CS128	MUSHARAF MUSTHAF	3
43	VML21CS131	NANDANARAJ	3
44	VML21CS137	NEHA	3
45	VML21CS141	NIVED SUNIL	3
46	VML21CS144	RICHA ROY	3
47	VML21CS146	RITHUL K RAJESH	3
48	VML21CS147	ROBIN C.B	3
49	VML21CS150	SANGEETHA RAMAKRISHNA	3
50	VML21CS153	SAYANTH KP	3
51	VML21CS154	SAYANTH P	3
52	VML21CS159	SHARON MK	3
53	VML21CS161	SHILPA C	3
54	VML21CS163	SHYAMDEV K	3
55	VML21CS166	SOORYA NATH M	3
56	VML21CS168	SREYA MC	3
57	VML21CS171	SWATHI KRISHNA	3
58	VML21CS174	TINA THOMAS	3
59	VML21CS176	VAIBHAV PRASANNAN	3
60	VML21CS177	VAISAKH P	3
61	VML21CS180	VISHAL KRISHNA U V P	3
62	VML21CS183	VIVEK RAJEEV V	3
Total Number of students attended			62
Target (45%) Mark			1.35
Total Number of students who have achieved Target (45 %)			62
Attainment percentage			100
Attainment Level			3
Total Attainment OF Each section			3
Project Attainment			3
Other Assessment			0

CO 4

SL. No.	Register No.	Name of the student	Project Design	Implementation
			Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries.	Demonstrates proficiency in using Python and Flask , to develop the object oriented application.
Max Mark			3	10
1	VML21CS003	ABHAY KV	2	10
2	VML21CS006	ABHIJITH E S	2	10
3	VML21CS008	ABHINAV K	2	10
4	VML21CS009	ABHINAV K	2	10
5	VML21CS011	ABHINAV P P	2	10
6	VML21CS014	ABHIRAM MANOJ	2	10
7	VML21CS017	ABHISHEK P	2	10
8	VML21CS023	ADWAITH ASHOKAN	2	10
9	VML21CS026	AKASH E	2	10
10	VML21CS030	AKSHAY DEVARAJAN	2	10
11	VML21CS033	ALAT JOSEPH	3	10
12	VML21CS043	AMAL BHAGYADAS	3	10
13	VML21CS046	AMAL ROY	3	10
14	VML21CS049	AMEESHA P JOSEPH	3	10
15	VML21CS054	ANAND SHIVARAM	3	10
16	VML21CS055	ANANDU RAMESH	3	10
17	VML21CS058	ANSIYA K P	3	10
18	VML21CS059	ANTO JOSEPH	3	10
19	VML21CS061	ANUSREE K	3	10
20	VML21CS064	ARJUN BIJU	3	10
21	VML21CS067	ARLIN PHILIP SHYJAN	3	10
22	VML21CS070	ASHFAH ASHRAF	3	10
23	VML21CS073	ASWANTH K M	3	10
24	VML21CS075	ATHUL AUGUSTINE	3	10
25	VML21CS078	AVINASH DINESH	3	10
26	VML21CS081	BHARADWAJ N K	3	10
27	VML21CS084	DELIN BENNY	3	10
28	VML21CS087	FAHMI M	3	10
29	VML21CS088	FOUZAN P	3	10
30	VML21CS090	GEO M BENNY	3	10
31	VML21CS093	GOUTHAM K LAL	3	10
32	VML21CS096	HARIKRISHNA P.V	3	10
33	VML21CS099	JANAK RAMESH	3	10
34	VML21CS102	JERITT JITHIN	3	10
35	VML21CS106	JOEL MATHEW	3	10
36	VML21CS108	JOSHUA SAJEEV	3	10
37	VML21CS111	JYOTHIS PAUL	3	10
38	VML21CS117	LAKSHMI HARIDASAN	3	10

39	VML21CS129	M V NAVANEETH	3	10
40	VML21CS122	MOHITH PRAKASH	3	10
41	VML21CS125	MUHAMMED RIHAN A	3	10
42	VML21CS128	MUSHARAF MUSTHAF	3	10
43	VML21CS131	NANDANARAJ	3	10
44	VML21CS137	NEHA	3	10
45	VML21CS141	NIVED SUNIL	3	10
46	VML21CS144	RICHA ROY	3	10
47	VML21CS146	RITHUL K RAJESH	3	10
48	VML21CS147	ROBIN C.B	3	10
49	VML21CS150	SANGEETHA RAMAKR	3	10
50	VML21CS153	SAYANTH KP	3	10
51	VML21CS154	SAYANTH P	3	10
52	VML21CS159	SHARON MK	3	10
53	VML21CS161	SHILPA C	3	10
54	VML21CS163	SHYAMDEV K	3	10
55	VML21CS166	SOORYA NATH M	3	10
56	VML21CS168	SREYA MC	3	10
57	VML21CS171	SWATHI KRISHNA	3	10
58	VML21CS174	TINA THOMAS	3	10
59	VML21CS176	VAIBHAV PRASANNAN	3	10
60	VML21CS177	VAISAKH P	3	10
61	VML21CS180	VISHAL KRISHNA U V	3	10
62	VML21CS183	VIVEK RAJEEV V	3	10
Total Number of students attended			62	62
Target (45%) Mark			1.35	4.5
Total Number of students who have achieved Target			62	62
Attainment percentage			100	100
Attainment Level			3	3
Total Attainment OF Each section			3	
Project Attainment			3	
Other Assessment			0	

CO 5

SL. No.	Register No.	Name of the student	Provides successful implementation of the design using Object Oriented concepts.	Successfully deploy: the application.	Includes project objective, project design and implementation, results and analysis, conclusion and future work, and references.
			3	10	3
Max Mark			3	10	3
1	VML21CS003	ABHAY KV	2	10	3
2	VML21CS006	ABHIJITH E S	2	10	3
3	VML21CS008	ABHINAV K	2	10	3
4	VML21CS009	ABHINAV K	2	10	3
5	VML21CS011	ABHINAV P P	2	10	3
6	VML21CS014	ABHIRAM MANOJ	2	10	3
7	VML21CS017	ABHISHEK P	2	10	3
8	VML21CS023	ADWAITH ASHOKAN	2	10	3
9	VML21CS026	AKASH E	2	10	3
10	VML21CS030	AKSHAY DEVARAJAN	2	10	3
11	VML21CS033	ALAT JOSEPH	2	10	3
12	VML21CS043	AMAL BHAGYADAS	2	10	3
13	VML21CS046	AMAL ROY	2	10	3
14	VML21CS049	AMEESHA P JOSEPH	2	10	3
15	VML21CS054	ANAND SHIVARAM	2	10	3
16	VML21CS055	ANANDU RAMESH	2	10	3
17	VML21CS058	ANSIYA K P	2	10	3
18	VML21CS059	ANTO JOSEPH	2	10	3
19	VML21CS061	ANUSREE K	2	10	3
20	VML21CS064	ARJUN BIJU	2	10	3
21	VML21CS067	ARLIN PHILIP SHYJAN	3	10	3
22	VML21CS070	ASHFAH ASHRAF	3	10	3
23	VML21CS073	ASWANTH K M	3	10	3
24	VML21CS075	ATHUL AUGUSTINE	3	10	3
25	VML21CS078	AVINASH DINESH	3	10	3
26	VML21CS081	BHARADWAJ N K	3	10	3
27	VML21CS084	DELIN BENNY	3	10	3
28	VML21CS087	FAHMI M	3	10	3
29	VML21CS088	FOUZAN P	3	10	3
30	VML21CS090	GEO M BENNY	3	10	3
31	VML21CS093	GOUTHAM K LAL	3	10	3
32	VML21CS096	HARIKRISHNA P.V	3	10	3
33	VML21CS099	JANAK RAMESH	3	10	3
34	VML21CS102	JERITT JITHIN	3	10	3
35	VML21CS106	JOEL MATHEW	3	10	3
36	VML21CS108	JOSHUA SAJEEV	3	10	3

37	VML21CS111	JYOTHIS PAUL	3	10	3
38	VML21CS117	LAKSHMI HARIDASAN	3	10	3
39	VML21CS129	M V NAVANEETH	3	10	3
40	VML21CS122	MOHITH PRAKASH	3	10	3
41	VML21CS125	MUHAMMED RIHAN A	3	10	3
42	VML21CS128	MUSHARAF MUSTHAFA	3	10	3
43	VML21CS131	NANDANARAJ	3	10	3
44	VML21CS137	NEHA	3	10	3
45	VML21CS141	NIVED SUNIL	3	10	3
46	VML21CS144	RICHA ROY	3	10	3
47	VML21CS146	RITHUL K RAJESH	3	10	3
48	VML21CS147	ROBIN C.B	3	10	3
49	VML21CS150	SANGEETHA RAMAKRISHNA	3	10	3
50	VML21CS153	SAYANTH KP	3	10	3
51	VML21CS154	SAYANTH P	2	10	3
52	VML21CS159	SHARON MK	2	10	3
53	VML21CS161	SHILPA C	2	10	3
54	VML21CS163	SHYAMDEV K	2	10	3
55	VML21CS166	SOORYA NATH M	2	10	3
56	VML21CS168	SREYA MC	2	10	3
57	VML21CS171	SWATHI KRISHNA	2	10	3
58	VML21CS174	TINA THOMAS	2	10	3
59	VML21CS176	VAIBHAV PRASANNA	2	10	3
60	VML21CS177	VAISAKH P	2	10	3
61	VML21CS180	VISHAL KRISHNA U V	2	10	3
62	VML21CS183	VIVEK RAJEEV V	2	10	3
Total Number of students attended			62	62	62
Target (45%) Mark			1.35	4.5	1.35
Total Number of students who have achieved			62	62	62
Attainment percentage			100	100	100
Attainment Level			3	3	3
Total Attainment OF Each section			3		
Project Attainment			3		
Other Assessment			0		

CO ATTAINMENT

Course Outcome	Project Attainment	Quiz	Direct Attainment	Indirect Attainment (Course End Survey)	CO Attainment= Direct(80%) +Indirect (20%)
CO1	3	0	2.4	3	2.52
CO2	3	3	3	3	3
CO3	3	0	2.4	3	2.52
CO4	3	0	2.4	3	2.52
CO5	3	0	2.4	3	2.52

MANJU M. 

PO ATTAINMENT

Batch : 2021-2025 CSE C

Year of study: 2022-2023

Name of the Subject with code: ADCS401- OBJECT ORIENTED PROGRAMMING IN PYTHON

Name of the Staff: MANJU M. AND SUHAD A C.

CO	LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2.52	3	2	2	-	2	-	-	-	-	-	-	3	-	-
CO 2	3	3	2	2	-	-	-	-	-	-	-	-	3	-	-
CO 3	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 4	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-
CO 5	2.52	3	2	2	2	2	-	-	-	-	-	-	3	-	-

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ATTAINED	2.62	1.74	1.74	1.01	1.34	-	-	-	-	-	-	2.62	-	-

MANJU M. *[Signature]*



VIMAL JYOTHI
ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

VALUE ADDED COURSE ON

"OBJECT ORIENTED PROGRAMMING USING PYTHON"

CERTIFICATE OF PARTICIPATION

THE FOLLOWING AWARD IS GIVEN TO

AKASH SANTHOSH

HAS PARTICIPATED VALUE ADDED COURSE PROGRAMME ON "OBJECT ORIENTED PROGRAMMING USING PYTHON" ORGANISED BY THE DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH PROGRESSUM
ON 15th to 19th MARCH 2023

Convener
Miss. Divya B
H.o.D, CSE



Dr. Benny Joseph
Principal



VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA
An ISO 9001:2008 Certified Institution

**ADCS 401 - OBJECT ORIENTED PROGRAMMING IN
PYTHON**

Evaluation Rubrics

Project Design :15 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Provides a clear knowledge of how to write, test and debug Python programs. [CO 1]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
2	Illustrates the use of conditional (if, if-else and if-elif-else) and iterative (while and for) statements in Python programs. [CO 2]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
3	Provides a clear and accurate description of how to develop programs by utilizing the concepts such as Lists, Tuples, Sets And Dictionaries. [CO 3]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)



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4	Provides a clear knowledge of how to develop graphical user interface for solutions using Python libraries. [CO 4]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)
5	Provides successful implementation of the design using Object Oriented concepts. [CO 5]	3	(0 Marks)	(1 Marks)	(2 Marks)	(3 Marks)

Implementation : 20 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	Demonstrates proficiency in using Python and Flask , to develop the object oriented application. [CO4]	10	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)
2	Successfully deploys the application. [CO 5]	10	(0 - 3 Marks)	(4 - 6 Marks)	(7 - 9 Marks)	(10 Marks)



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Report : 5 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The report should include project objective, project design and implementation, results and analysis, conclusion and future work, and references.[CO 5]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)

Quiz : 10 Marks

No	Parameters	Mark	Poor	Fair	Very Good	Outstanding
1	The quiz should include the basic concepts and data structures in Python. [CO 3]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)
2	The quiz should include Object oriented concepts and graphical user interface. [CO 4 & 5]	5	(0 - 1 Marks)	(2 - 3 Marks)	(4 Marks)	(5 Marks)

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PROJECT REPORT

Sheff

PROJECT NAME - CALCULATOR USING PYTHON

BATCH NO - 6

CLASS - S4 CSE C

MEMBERS:

- 1- SAYANTH P
- 2- SHARON MK
- 3- SHILPA C
- 4- SHYAMDEV K
- 5- SOORYA NATH M
- 6- SREYA MC
- 7- SWATHI KRISHNA
- 8- TINA THOMAS
- 9- VAIBHAV PRASANNAN
- 10- VAISAKH P
- 11- VISHAL KRISHNA U V P
- 12- VIVEK RAJEEV V

Introduction:

The purpose of this project is to create a simple calculator using Python programming language. The calculator will be able to perform basic arithmetic operations such as addition, subtraction, multiplication, and division.

Materials:

Python IDLE or any other Python compiler
Basic knowledge of Python programming

Methodology:

Open a new Python file in the IDLE or any other compiler.
Create a function for each of the four arithmetic operations: addition, subtraction, multiplication, and division.
Inside each function, prompt the user to input two numbers to be calculated.
Perform the appropriate arithmetic operation using the inputted numbers.
Print the result to the console using the print() function.
Create a main function to call each of the four arithmetic functions.
Inside the main function, prompt the user to select the arithmetic operation they want to perform.
Based on the user's input, call the appropriate arithmetic function.
Allow the user to continue using the calculator until they choose to exit.

Results:

After running the Python code, the calculator will be able to perform basic arithmetic operations. The user will be prompted to input two numbers and select the arithmetic operation they want to perform. The calculator will then display the result of the calculation on the console.

Conclusion:

In conclusion, this project successfully created a simple calculator using Python programming language. It is a useful tool for performing basic arithmetic operations and can be further developed to include more advanced calculations.

PROGRAM:

```
def add(x, y):  
    return x + y  
def subtract(x, y):  
    return x - y  
def multiply(x, y):  
    return x * y  
def divide(x, y):  
    return x / y  
num1 = float(input("Enter first number: "))  
num2 = float(input("Enter second number: "))  
operator = input("Enter operator (+, -, *, /): ")  
if operator == '+':  
    print(num1, "+", num2, "=", add(num1, num2))  
elif operator == '-':  
    print(num1, "-", num2, "=", subtract(num1, num2))  
elif operator == '*':  
    print(num1, "*", num2, "=", multiply(num1, num2))  
elif operator == '/':  
    print(num1, "/", num2, "=", divide(num1, num2))  
else:  
    print("Invalid operator")
```

OUTPUT:

```
Enter first number: 5  
Enter second number: 5  
Enter operator (+, -, *, /): +  
5.0 + 5.0 = 10.0
```

```
Enter first number: 5  
Enter second number: 5  
Enter operator (+, -, *, /): -  
5.0 - 5.0 = 0.0
```

```
Enter first number: 5  
Enter second number: 4  
Enter operator (+, -, *, /): *  
5.0 * 4.0 = 20.0
```

```
Enter first number: 50  
Enter second number: 25  
Enter operator (+, -, *, /): /  
50.0 / 25.0 = 2.0
```





S4 CSE - A (2021-25) BATCH
ADD - ON COURSE ATTENDANCE

Roll Number	Register Number	Name	SIGNATURE				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS001	AADITYAN HARINDRAN					
2	VML21CS010	ABHINAV M V					
3	VML21CS013	Abhiram A					
4	VML21CS015	Abhiram S Manoj					
5	VML21CS018	Abin M Jose					
6	VML21CS021	Adith Narayanan					
7	VML21CS024	Agney J Purushotham					
8	VML21CS027	Akash Santhosh					
9	VML21CS029	Akhil Mathew George				ABSENT	
10	VML21CS034	Albert Jose					
11	VML21CS037	Alen Biju					
12	VML21CS038	Alen Cherian					
13	VML21CS039	Alen Kurian Joseph					
14	VML21CS040	Alen.t.tom					
15	VML21CS042	Alfi Siby					
16	VML21CS044	Amal Cs					
17	VML21CS047	Amalroy					
18	VML21CS050	Amith T.v					
19	VML21CS053	Anandhu Poyyil					
20	VML21CS056	Ananya Praseed Kumar					
21	VML21CS062	Aparna Bhaskar					
22	VML21CS063	Arjun. Av					
23	VML21CS065	Arjun.madathil					
24	VML21CS068	Armond Jose					
25	VML21CS071	Ashik Jhonson					

26	VML21CS074	Aswin Udayan	Aswin	Aswin	Aswin	✓	✓
27	VML21CS076	Athul Joy	Athul	Athul	—	ABSENT	—
28	VML21CS079	Azzah Waheed	Azzah	Azzah	Azzah	✓	✓
29	VML21CS082	Darvin Sibi	Darvin	Darvin	—	✓	✓
30	VML21CS085	Dhanus Joy	Dhanus	Dhanus	Dhanus	✓	✓
31	VML21CS091	Gerald Siriac	Gerald	Gerald	Gerald	✓	✓
32	VML21CS094	Goutham S Prasad	Goutham	Goutham	Goutham	✓	✓
33	VML21CS097	Hooriyya Binth Khalid	Hooriyya	Hooriyya	Hooriyya	✓	✓
34	VML21CS098	Magath K	Magath	—	—	ABSENT	—
35	VML21CS100	Jeffin Jiju	Jeffin	Jeffin	—	✓	✓
36	VML21CS103	Jestin K S	Jestin	Jestin	Jestin	✓	✓
37	VML21CS105	Joyal M Joseph	Joyal	Joyal	Joyal	✓	✓
38	VML21CS113	Karthika K P	Karthika	Karthika	Karthika	✓	✓
39	VML21CS116	K K Krishnanjana Deepak	K K	—	—	ABSENT	—
40	VML21CS118	Rithin Krishnan	Rithin	Rithin	—	✓	✓
41	VML21CS120	Ranasa N	Ranasa	Ranasa	—	✓	✓
42	VML21CS121	Ridula P T	Ridula	Ridula	Ridula	✓	✓
43	VML21CS122	Muhammed Sabeeh C K	Muhammed	Muhammed	—	✓	✓
44	VML21CS123	Radhya A P	Radhya	Radhya	—	✓	✓
45	VML21CS124	Arthana Prasanth	Arthana	Arthana	Arthana	✓	✓
46	VML21CS125	Ravindu C	Ravindu	Ravindu	—	✓	✓
47	VML21CS126	Raved Manoj	Raved	Raved	—	✓	✓
48	VML21CS127	R J Joseph	R J	R J	—	✓	✓
49	VML21CS128	Rishika Reejith	Rishika	Rishika	—	✓	✓
50	VML21CS129	Rohit Philip	Rohit	—	—	ABSENT	—
51	VML21CS130	Rohiv R	Rohiv	Rohiv	Rohiv	✓	✓
52	VML21CS131	Roshika Lakshmi K A P	Roshika	Roshika	Roshika	✓	✓
53	VML21CS132	Rown Rajeev	Rown	Rown	—	✓	✓
54	VML21CS133	Rubin Abdul Nasar P	Rubin	Rubin	—	✓	✓

55	VM	164	Madha N Rajeev	Manju	Manju	Manju	✓	✓
56	VM		Meelakshmi V V	Manju	Manju	—	✓	✓
57	VM		Meeya Pavanan	—	—	Manju	ABSENT	—
58	VM	172	Manvi Prashanth	Manju	Manju	Manju	✓	✓
59	VM		Meesa Sinta Saji	Manju	Manju	—	✓	✓
60	VM		Manhnav Valsan	Manju	Manju	—	✓	✓
61	VM		Manhnav Rajesh	Manju	Manju	—	✓	✓

MANJU M. ~~Manju~~



S4 CSE B Student Details (2021-2025 BATCH)

ADD-ON COURSE ATTENDANCE

S.No.	University Reg.No	STUDENT NAME	SIGNATURE				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS002	AAKIF ALTHAF				✓	✓
2	VML21CS004	ABHIJITH A				✓	✓
3	VML21CS007	ABHIJITH T		—	ABSENI	—	—
4	VML21CS012	ABHINAV P P		—	ABSENI	✓	✓
5	VML21CS016	ABHISHEK K V				✓	✓
6	VML21CS019	ADARSH JOHNSON			ABSENI	✓	✓
7	VML21CS020	ADHARV S KUMAR				✓	✓
8	VML21CS022	ADITHYA PRAKASH				✓	✓
9	VML21CS025	AJAY M				✓	✓
10	VML21CS028	AKHIL C J				✓	✓
11	VML21CS031	AKSHAY VIJAYAN				✓	✓
12	VML21CS032	ALAN JOSEPH NORBERT			ABSENI	✓	✓
13	VML21CS035	ALBIN PHILIP				✓	✓
14	VML21CS036	ALEENA N				✓	✓
15	VML21CS041	ALFIN SHAJI				✓	✓
16	VML21CS045	AMAL JERRY				✓	✓
17	VML21CS048	AMAL T		—	—	—	—
18	VML21CS051	ANAGHA NAGESH			—	✓	✓
19	VML21CS052	ANANDHU K P				✓	✓
20	VML21CS057	ANNA MARIA			—	✓	✓

21	VML21CS060	ANUGRAHA VV	AV	AV	—	✓	✓
22	VML21CS066	ARJUN NV	AR	—	ABSENT	—	—
23	VML21CS069	ARUN THOMAS	AR	AR	AR	✓	✓
24	VML21CS072	ASHISH JOSEPH	AS	AS	AS	✓	✓
25	VML21CS077	AVANTHIKA KAKKADAN	AV	AV	AV	✓	✓
26	VML21CS080	BASIL BENNY	BA	BA	—	✓	✓
27	VML21CS083	DEEPIKA P	DE	DE	DE	✓	✓
28	VML21CS086	DONA XAVIER	DX	DX	—	✓	✓
29	VML21CS089	GAYATHRI KRISHNA K V	GR	—	ABSENT	—	—
30	VML21CS092	GODWIN PAUL	GP	GP	GP	✓	✓
31	VML21CS095	HANA NOUFAL	HN	HN	HN	✓	✓
32	VML21CS101	JERIN K SAJU	JK	JK	JK	✓	✓
33	VML21CS104	JEWEL DENCIL	JD	JD	JD	✓	✓
34	VML21CS105	JIKSON JIMMY	JK	JK	JK	✓	✓
35	VML21CS107	JOEL MATHEW SIBY	JM	JM	JM	✓	✓
36	VML21CS110	JUSTIN JAMES THOMAS	JT	JT	JT	✓	✓
37	VML21CS112	KAMAL SURESH	KS	KS	KS	✓	✓
38	VML21CS114	KARTHIK P	KP	KP	—	✓	✓
39	VML21CS115	KEERTHANA K	KK	KK	KK	✓	✓
40	VML21CS119	M AKASH	MA	MA	MA	✓	✓
41	VML21CS121	MINHAJ AHAMMED T K	MT	MT	MT	✓	✓
42	VML21CS127	MUHAMMED SHABAS	MS	MS	MS	✓	✓
43	VML21CS132	NANDANA SAJI	NS	NS	NS	✓	✓
44	VML21CS133	NANDANA T	NT	NT	NT	✓	✓
45	VML21CS135	NATHASHA ADARSH	NA	NA	—	✓	✓

46	VML21CS138	NIVEDH DINESH	<i>Nivedh</i>	<i>Nivedh</i>	←	✓	✓
47	VML21CS140	NIVED O	<i>Nived</i>	<i>Nived</i>	<i>Nived</i>	✓	✓
48	VML21CS143	RAJALAKSHMI S	<i>Rajal</i>	<i>Rajal</i>	<i>Rajal</i>	✓	✓
49	VML21CS149	SAFWAN V P	<i>Safwan</i>	<i>Safwan</i>	<i>Safwan</i>	✓	✓
50	VML21CS152	SANTHI PRIYA	<i>Santhi</i>	<i>Santhi</i>	<i>Santhi</i>	✓	✓
51	VML21CS155	SAYANTH SANTHOSH	<i>Sayanth</i>	<i>Sayanth</i>	←	✓	✓
52	VML21CS158	SHARON DAWSON	<i>Sharon</i>	<i>Sharon</i>	←	✓	✓
53	VML21CS165	SKILL C H	<i>Skill</i>	—	—	ABSENT	—
54	VML21CS170	SREYA SREEDHAR	<i>Sreya</i>	—	—	ABSENT	—
55	VML21CS173	THARUN K C	<i>Tharun</i>	<i>Tharun</i>	<i>Tharun</i>	✓	✓
56	VML21CS179	VISHAKH SATHEESH	<i>Vishakh</i>	<i>Vishakh</i>	←	✓	✓
57	VML21CS182	VISHNU PRIYA A P	—	ABSENT	—	—	—
58	SNC21CS026	HRIDWETHA CHITRAN	<i>Hridwetha</i>	<i>Hridwetha</i>	<i>Hridwetha</i>	✓	✓
59	SIT21CS022	HRITHIKA PRADEEP	<i>Hrithika</i>	<i>Hrithika</i>	<i>Hrithika</i>	✓	✓
60	LVML21CS185	NIVED K SURENDRAN	<i>Nived</i>	<i>Nived</i>	<i>Nived</i>	✓	✓

MANJU M. *Manju*



S4 CSE - C (2021-25) BATCH
ADD - ON COURSE ATTENDANCE

Roll No.	University Reg. No.	Student Name	Signature				
			15-03-2023	16-03-2023	17-03-2023	18-03-2023	19-03-2023
1	VML21CS003	ABHAY KV				✓	✓
2	VML21CS006	ABHIJITH E S		ABSENT			
3	VML21CS008	ABHINAV K				✓	✓
4	VML21CS009	ABHINAV K				✓	✓
5	VML21CS011	ABHINAV P P				✓	✓
6	VML21CS014	ABHIRAM MANOJ				✓	✓
7	VML21CS017	ABHISHEK P				✓	✓
8	VML21CS023	ADWAITH ASHOKAN				✓	✓
9	VML21CS026	AKASH E				✓	✓
10	VML21CS030	AKSHAY DEVARAJAN		ABSENT			
11	VML21CS033	ALAT JOSEPH				✓	✓
12	VML21CS043	AMAL BHAGYADAS				✓	✓
13	VML21CS046	AMAL ROY				✓	✓
14	VML21CS049	AMEESHA P JOSEPH				✓	✓
15	VML21CS054	ANAND SHIVARAM				✓	✓
16	VML21CS055	ANANDU RAMESH				✓	✓
17	VML21CS058	ANSIYA K P				✓	✓
18	VML21CS059	ANTO JOSEPH				✓	✓
19	VML21CS061	ANUSREE K				✓	✓
20	VMI.21CS064	ARJUN BIJU				✓	✓

21	VML21CS067	ARLIN PHILIP SHYJAN	<u>A</u>	<u>A</u>	<u>A</u>	✓	✓
22	VML21CS070	ASHFAH ASHRAF	<u>Asfah</u>	<u>Asfah</u>	<u>Asfah</u>	✓	✓
23	VML21CS073	ASWANTH K M	<u>Aswath</u>	<u>Aswath</u>	<u>Aswath</u>	✓	✓
24	VML21CS075	ATHUL AUGUSTINE	<u>Athul</u>		<u>Athul</u>	✓	✓
25	VML21CS078	AVINASH DINESH	Avinash	—	ABSENT	—	—
26	VML21CS081	BHARADWAJ N K	<u>Bharad</u>	<u>Bharad</u>	<u>Bharad</u>	✓	✓
27	VML21CS084	DELIN BENNY	—	ABSENT	—	—	—
28	VML21CS087	FAHMI M	<u>Fahmi</u>	<u>Fahmi</u>	<u>Fahmi</u>	✓	✓
29	VML21CS088	FOUZAN P	<u>Fouzan</u>	<u>Fouzan</u>	<u>Fouzan</u>	✓	✓
30	VML21CS090	GEO M BENNY	<u>Geo</u>	—	ABSENT	—	—
31	VML21CS093	GOUTHAM K LAL	<u>Goutham</u>	<u>Goutham</u>		✓	✓
32	VML21CS096	HARIKRISHNA P.V	<u>Hari</u>	—	ABSENT	—	—
33	VML21CS099	JANAK RAMESH	<u>Janak</u>	<u>Janak</u>	<u>Janak</u>	✓	✓
34	VML21CS102	JERITT JITHIN	<u>Jeritt</u>	—	ABSENT	—	—
35	VML21CS106	JOEL MATHEW	<u>Joel</u>	—	ABSENT	—	—
36	VML21CS108	JOSHUA SAJEEV	<u>Joshua</u>	<u>Joshua</u>	<u>Joshua</u>	✓	✓
37	VML21CS111	JYOTHIS PAUL	<u>Jyothis</u>	<u>Jyothis</u>	<u>Jyothis</u>	✓	✓
38	VML21CS117	LAKSHMI HARIDASAN	<u>Lakshmi</u>	<u>Lakshmi</u>	<u>Lakshmi</u>	✓	✓
39	VML21CS129	M V NAVANEETH	<u>Navaneeth</u>		<u>Navaneeth</u>	✓	✓
40	VML21CS122	MOHITH PRAKASH	<u>Mohith</u>	<u>Mohith</u>	<u>Mohith</u>	✓	✓
41	VML21CS125	MUHAMMED RIHAN AC	<u>Rihan</u>	<u>Rihan</u>	<u>Rihan</u>	✓	✓
42	VML21CS128	MUSHARAF MUSTHAFA	<u>Musharaf</u>	<u>Musharaf</u>	<u>Musharaf</u>	✓	✓
43	VML21CS131	NANDANARAJ	<u>Nandanaraj</u>	<u>Nandanaraj</u>	<u>Nandanaraj</u>	✓	✓
44	VML21CS137	NEHA	<u>Neha</u>	<u>Neha</u>	<u>Neha</u>	✓	✓
45	VML21CS141	NIVED SUNIL	<u>Nived</u>	<u>Nived</u>	<u>Nived</u>	✓	✓

46	VML21CS144	RICHA ROY	<i>Richa Roy</i>	<i>Richa Roy</i>	<i>Richa Roy</i>	✓	✓
47	VML21CS146	RITHUL K RAJESH	<i>Rithul K Rajesh</i>	<i>Rithul K Rajesh</i>	<i>Rithul K Rajesh</i>	✓	✓
48	VML21CS147	ROBIN C.B	<i>Robin C.B</i>	<i>Robin C.B</i>	<i>Robin C.B</i>	✓	✓
49	VML21CS150	SANGEETHA RAMAKRISHNAN	<i>Sangeetha Ramakrishnan</i>	<i>Sangeetha Ramakrishnan</i>	<i>Sangeetha Ramakrishnan</i>	✓	✓
50	VML21CS153	SAYANTH KP	<i>Sayanth KP</i>	<i>Sayanth KP</i>	<i>Sayanth KP</i>	✓	✓
51	VML21CS154	SAYANTH P	<i>Sayanth P</i>	<i>Sayanth P</i>	<i>Sayanth P</i>	✓	✓
52	VML21CS159	SHARON MK	<i>Sharon MK</i>	<i>Sharon MK</i>	<i>Sharon MK</i>	✓	✓
53	VML21CS161	SHILPA C	<i>Shilpa C</i>	<i>Shilpa C</i>	<i>Shilpa C</i>	✓	✓
54	VML21CS163	SHYAMDEV K	<i>Shyamdev K</i>	<i>Shyamdev K</i>	<i>Shyamdev K</i>	✓	✓
55	VML21CS166	SOORYA NATH M	<i>Soorya Nath M</i>	<i>Soorya Nath M</i>	<i>Soorya Nath M</i>	✓	✓
56	VML21CS168	SREYA MC	<i>Sreya MC</i>	<i>Sreya MC</i>	<i>Sreya MC</i>	✓	✓
57	VML21CS171	SWATHI KRISHNA	<i>Swathi Krishna</i>	<i>Swathi Krishna</i>	<i>Swathi Krishna</i>	✓	✓
58	VML21CS174	TINA THOMAS	<i>Tina Thomas</i>	<i>Tina Thomas</i>	<i>Tina Thomas</i>	✓	✓
59	VML21CS176	VAIBHAV PRASANNAN	<i>Vaibhav Prasannan</i>	<i>Vaibhav Prasannan</i>		✓	✓
60	VML21CS177	VAISAKH P	<i>Vaisakh P</i>	<i>Vaisakh P</i>		✓	✓
61	VML21CS180	VISHAL KRISHNA U V P	<i>Vishal Krishna U V P</i>	<i>Vishal Krishna U V P</i>	<i>Vishal Krishna U V P</i>	✓	✓
62	VML21CS183	VIVEK RAJEEV V	<i>Vivek Rajeev V</i>	<i>Vivek Rajeev V</i>	<i>Vivek Rajeev V</i>	✓	✓

MANJU M.

Manju M.

COMPUTER SCIENCE ENGINEERING DEPARTMENT
PRESENTS TRAINING PROGRAM ON

OBJECT ORIENTED PROGRAMMING IN PYTHON

15-03-2023 TO 19-03-2023
3 DAYS OFFLINE. 2 DAYS ONLINE WITH PROJECT

STAFF COORDINATORS :

MS. SUHADA C
MS. MANJU M
(ASSISTANT PROFESSOR)

STUDENT COORDINATORS :

KAMAL SURESH - S4 CSE B
JUSTIN JAMES THOMAS - S4 CSE B

Ok

VISION OF THE DEPARTMENT

To contribute to the society through excellence in scientific and knowledge-based education utilizing the potential of computer science and engineering with a deep passion for wisdom, culture and values.

MISSION OF THE DEPARTMENT

To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.



Handwritten signature in blue ink.



PROGRESSUM

IN ASSOCIATION WITH NEOVENT INNOVATIONS
FIVE DAYS PYTHON TRAINING PROGRAMME
VIMAL JYOTHI ENGINEERING COLLEGE KANNUR



#startupindia



COURSE SYLLABUS

- Introduction of Python
- Installing Python IDEs – Python IDLE and Anaconda
- Writing Your First Python Program
- Data-types in Python
- Variables in Python – Declaration and Use
- Typecasting in Python
- Operators in Python – Assignment, Logical, Arithmetic etc.
- Taking User Input (Console)
- Conditional Statements – If else and Nested If else and elif
- Python Collections (Arrays) – List, Tuple, Sets and Dictionary
- Loops in Python – For Loop, While Loop & Nested Loops
- String Manipulation – Basic Operations, Slicing & Functions and Methods
- User Defined Functions – Defining, Calling, Types of Functions, Arguments
- Lambda Function
- Importing Modules – Math Module
- Basics of Object Oriented Programming
- Creating Class and Object
- Constructors in Python – Parameterized and Non-parameterized
- Inheritance in Python
- In built class methods and attributes
- Multi-Level and Multiple Inheritance
- Method Overriding and Data Abstraction
- Encapsulation and Polymorphism
- introduction to database and connecting database with python

TRAINING DURATION		MODE	BATCH SIZE
3 Days	6 Hrs./Day	OFFLINE	60 Students
2 Days	2 Hrs./Day	ONLINE	60 Students

PAYMENT TERMS

TRAINING MODE	PTD	DAYS	AMOUNT	GST 18%	TOTAL
6 Hrs. Offline Training	8,500	3	25,500	4,590	30,090/-
2 Hrs. Online Training	4,000	2	8,000	1,440	9,440/-
Total					39,530/-
If Payment by Account					39,530/-
If Payment by cash (without GST)					30,000/-

Prerequisites:

- Student List
- Coordinator from faculties & students' side.
- Accommodation for Trainers & TQM

"NB: Training Confirmation should be 5 days prior"

TESTIMONIALS

"All of the trainers were excellent, extremely Professional and knowledgeable, and created positive learning environments. As the Director of Training, I received nothing but positive feedback about all of the instructors who came to us via Progressum Edutech Private Limited"

- Prof. Jayaram.V, PTO, LMCST, Thiruvananthapuram

"Progressum Edutech has played an intrinsic role in enhancing the Employability Skills of our students. We have found great value in their training programs. It was an excellent experience to work with their team. All the trainers were knowledgeable, supportive and highly professional. We would recommend their services to any institution that would like to invest on their students"

- Justine M Augustine, TPO, Vimal Jyothy College of Engineering, Kannur

"We are extremely pleased with the services. They are professional, personable, resourceful, and always willing to help meet our training needs."

- Prof. Sangeetha Sagar, PTO, MESITAM, Kollam

Progressum was a pleasure to deal with regarding our training initiatives. They are professional, friendly, and quite supportive and accommodating. They demonstrate exceptional customer service and attention to detail always."

- Prof. Roshan T, TPO, Providence College of Engineering, Chengannur

CLIENTELE

1	College of Engineering, Karunagappally
2	College of Engineering, Perumon
3	College of Engineering, Attingal
4	Institute of Management and Technology, Punnapra
5	College of Engineering, Chengannur
6	College of Engineering, Vadakara
7	College of Engineering, Thalassery
8	College of Engineering, Poonjar
9	Vimal Jyothi Engineering College, Kannur
10	Providence College of Engineering, Chengannur
11	MES Institute of Technology & Management, Chathannoor, Kollam
12	Lourdes Matha College of Science & Technology, Thiruvananthapuram
13	TKM Institute of Technology, Kollam
14	Model Polytechnic College, Painav, Idukki
15	Musaliar College of Engineering & Technology, Pathanamthitta
16	Sree Ayyappa College, Eramallikara, Chengannur
17	Asian School of Business, Thiruvananthapuram
18	UKF College of Engineering & Technology, Parippally
19	College of Engineering, Punnapra
20	University Institute of Technology, Alappuzha
21	Mount Zion Institute of Management, Pathanamthitta

PROGRESSUM

CORONA, a word that has made the world pause, the humans to think value of their life and created an unstable condition in global economy. The pandemic had left people jobless and a fear in the mind of youngsters (UG / PG students) especially the final years about their dream career and the heavy competition outside.

We are presenting a small solution to this through **PROGRESSUM**, dream of 3 people who had successfully started off their careers in the field of placement training. It is the passion towards the work that we did, made us to think and decide to start a venture of our own by helping the future generation to pursue a career they had dreamt of.

The pandemic has hit the education system diversely paving the way to use advanced technology for educating the future generation. Hence, we have designed online classes and the sessions will be available to them in a flexible manner. Once the pandemic leaves the world, we intend to provide face to face learning as well.

From our experience, we have discovered that along with technical learning, it is very important for the students to get trained in soft skills and aptitude training as well. In order to accomplish this at the right time we are providing tailor made courses to every level of students / institutions in a most innovative way.

What we promise to offer:

- Effective and quality Trainings that satisfy the industry demand.
- Understand the need of students and provide trainings accordingly.
- Fully Committed and Passionate trainer, with deep Experience and knowledge in this area.

Our trainers are highly motivated career guidance trainers with experience in training large group across different states. Proven success in leveraging educational theories and methodologies to design, develop, and deliver successful training programs and integrate instructional technology to provide classroom and virtual training.

We strongly believe that students who undergo this training will have the will power and confidence to tackle any situations in their early stages of career and fetch them the job that they aspire. We provide them timely Mockup Tests and Sample Interviews, thereby enabling each student to determine the area of their weakness and helping them to overcome that. The personal feedbacks that we received from our students have helped us to fine tune the courses as per the student comfort as well as the industry requirements.



PROGRESSUM

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VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA

An ISO 9001:2008 Certified Institution

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VJ/CSE/AC/2023/4

20.12.2022

APPOINTMENT ORDER

Dear Sir/Madam,

Sub: - Add-on Course Syllabus Committee

The following Committee is hereby constituted for framing the syllabus of the Add-on Course "ADCS 401 OBJECT ORIENTED PROGRAMMING IN PYTHON" for the S4 BTech Computer Science and Engineering at Vimal Jyothi Engineering College.

Sl No.	Name of the Faculty	Role
1.	Ms. Manju M.	Coordinator
2.	Ms. Suhada C	Member
3.	Dr. Jeethu V. Devasia	Member

The Coordinator is requested to convene meetings of the committee, prepare the syllabus and send the final version in the format in compliance with KTU syllabus.

Regards,

Dr. Jeethu V. Devasia

Professor & HoD CSE

Copy To:-

Ms. Suhada C

Ms. Manju M