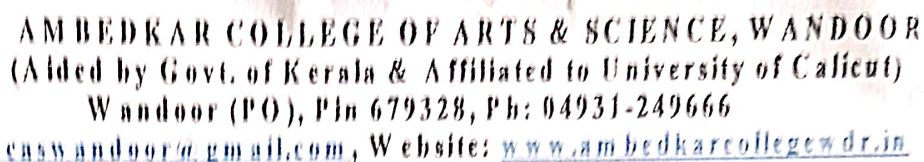




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COURSE PLAN										
Course code and title	CSC1MN102- PYTHON PROGRAMMING									
Class	BSC COMPUTER SCIENCE	Semester	ONE							
Regulation	2024	Academic year	2024-25							
Course prerequisite s	Have an understanding about algorithms and flowchart									
Course objectives	This course explores the versatility of Python language in programming and teaches the application of various data structures using Python.									
COURSE OUTCOMES										
At the end of the course the student would be able to...										
CO1	Understand the basic concepts of Python programming									
CO2	Apply problem- solving skills using different control structures and loops									
CO3	Design simple Python programs to solve basic computational problems and acquire knowledge of Python's error handling mechanisms to effectively debug programs									
CO4	Analyze the various data structures and operations on it using Python									
CO5	Apply modular programming using functions									
CO6	Identify the necessary Python packages in the domain and create simple programs with it									
MAPPING OF PROGRAM OUTCOMES										
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓			✓	✓			✓		
CO2	✓		✓	✓	✓		✓	✓		
CO3	✓		✓	✓	✓		✓	✓		
CO4	✓		✓	✓	✓			✓		
CO5	✓		✓	✓	✓		✓	✓		



CO6	✓		✓	✓	✓		✓	✓			
PO1	Knowledge Acquisition					PO6	Ethics & Social Responsibility				
PO2	Communication & Leadership					PO7	Research, Innovation & Entrepreneurship				
PO3	Professional Skills					PO8	Lifelong Learning				
PO4	Digital Intelligence					PO9	Global Perspective				
PO5	Scientific awareness & Critical Thinking					PO10	Democratic Co-existence				
PROGRAM SPECIFIC OUTCOMES											
PSO1	Understand the theoretical and mathematical foundations of Computer Science										
PSO2	Understand the concepts of system architecture, hardware, software and network configuration										
PSO3	Acquire logical thinking and problem-solving skills to find solutions in the software domain										
PSO4	Design, analyze and develop code-based solutions for the algorithms										
PSO5	Address the industry demands and assimilate technical, logical and ethical skills needed for the industry										
PSO6	Adapt to emerging trends and tackle the challenges in the software field.										



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MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES						
PROGRAM EDUCATIONAL OUTCOMES	COURSE OUTCOMES					
	CO1	CO2	CO3	CO4	CO5	CO6
PEO1: Development of Leadership Qualities. Graduates will demonstrate Leadership qualities by utilizing their full intellectual potential, engaging with their communities, and contributing to the social, cultural, and economic development of society.						
PEO2: Lifelong Learning and Societal Contribution. Graduates will be equipped with core values and intellectual capabilities enabling them to pursue lifelong learning and meaningfully contribute to societal well-being through innovative thinking and service.	✓	✓	✓	✓	✓	
PEO3: Entrepreneurial and Global Competence. Graduates will possess entrepreneurial skills and a global perspective, promoting sustainable national growth through ethical leadership, innovative ventures, and responsible citizenship.		✓	✓			✓

REFERENCES:	
1. Jose, Jeeva. Taming Python By Programming. Khanna Book Publishing, 2017. Print. 2. 2. Downey, Allen. Think Python. Green Tea Press, 2nd ed. 2009	
e-learning resources	https://www.coursera.org/specializations/python
Mode of Evalustion	Internal Examination (30%) End Semester Examination (70%)
Faculty	Jasmine MT , Assistant Professor/ Department of Computer Science
e-mail id	jasminefasil123@gmail.com



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COURSE PLAN CSC1MN102- PYTHON PROGRAMMING

No of lecture hours	Planned Date	Topics to be covered	Reference/ Teaching aids and methods	Actual date	Week ly review
MODULE I - Introduction to Python					
1	17-07-2024	Features of Python, Different methods to run Python	WB/ PPT	17/7/24	
2	18-07-2024	Python IDE	WB/ PPT	18/7/24	
3	19-07-2024	Comments, Indentation, Identifiers	WB/ PPT	19/7/24	
4	22-07-2024	Keywords, Variables	PPT/ T	29/7/24	
5	23-07-2024	Standard Data Types	PPT/ T	5/8/24	
6	24-07-2024	Standard Data Types	PPT/ T	5/8/24	
7	25-07-2024	Input Output Functions, Import Functions, range function	WB/ T	8/8/24	
8	26-07-2024	Operators and Operands	WB/ T	9/8/24	
9	29-07-2024	Precedence of Operators, Associativity	WB/ T	9/8/24	
10	30-07-2024	Type Conversion, Multiple Assignment	WB/ T	19/8/24	
11	31-07-2024	Expressions and Statements, Evaluation of Expressions	WB/ T	19/8/24	
12	01-08-2024	Boolean Expressions	WB		
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal
12	11	21/8/24			
MODULE II - Control Structures					
13	06-08-2024	Decision Making statements	WB/ T	22/8/24	
14	07-08-2024	if statement	WB/ T	22/8/24	
15	08-08-2024	if...else statement	WB/ T	23/8/24	
16	13-08-2024	if...elif...else statement	WB/ T	29/8/24	
17	14-08-2024	Nested if statement	WB/ T	30/8/24	
18	21-08-2024	for loop	WB/ T	2/9/24	
19	22-08-2024	for loop with else	WB/ T	2/9/24	
20	27-08-2024	while loop	WB/ T	4/9/24	
21	29-08-2024	while loop with else	WB/ T	5/9/24	
22	03-09-2024	Nested Loops	WB/ T	5/9/24	
23	04-09-2024	Using indentation in Python to define code blocks	WB/ T	6/9/24	
24	05-09-2024	Control Statements- break, continue, pass	WB/ T	9/9/24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal

SHARSHAD AM...
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.

In charge of
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.



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12	10	9/9/24				
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MODULE III - Data Structures in Python

25	10-09-2024	Working with strings and string manipulation		PPT/WB	11-9-24	
26	11-09-2024	Working with strings and string manipulation		PPT/WB	12-9-24	
27	12-09-2024	Working with strings and string manipulation		PPT/WB	12-9-24	
28	24-09-2024	List - creating list, accessing		WB/T	24/9/24	
29	25-09-2024	updating and deleting elements from a list		WB/T	25/9/24	
30	26-09-2024	Basic list operations		WB/T	26/9/24	
31	01-10-2024	Tuple- creation		WB/T	29/9/24	
32	03-10-2024	accessing tuples in python		WB/T	1/10/24	
33	08-10-2024	Basic tuple operations		PPT/WB	3/10/24	
34	09-10-2024	Dictionary		PPT/WB	5/10/24	
35	10-10-2024	built in methods to create, access, and modify key-value pairs		PPT/WB	8/10/24	
36	15-10-2024	Set and basic operations on a set		PPT/WB	10/10/24	

Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal
12	10	8-10-24			

MODULE IV Functions

37	16-10-2024	Built-in functions - mathematical functions, date time functions, random numbers		PPT/WB	14/10/24	
38	17-10-2024	Writing user defined functions		PPT/WB	16/10/24	
39	22-10-2024	function definition		PPT/WB	16/10/24	
40	23-10-2024	function call		WB/T	17/10/24	
41	24-10-2024	flow of execution		WB/T	17/10/24	
42	29-10-2024	parameters and arguments		WB/T	18/10/24	
43	30-10-2024	return statement		WB/T	21/10/24	
44	05-11-2024	Recursion		WB/T	23/10/24	
45	06-11-2024	Introduction to basic Python libraries (e.g., math, random)		WB/T	24/10/24	

Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal
9	7	26-10-24			

MODULE V Hands-on Data Structures - Practical Applications, Case Study and Course Project

46	05-08-2024	Programs to Run instructions in Interactive interpreter and as Python Script				
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47	09-08-2024	Programs to Run instructions in Interactive interpreter and as Python Script			9/8/24
48	12-08-2024	Perform calculations involving integers and floating point numbers using Python arithmetic operators			12/8/24
49	16-08-2024	Perform calculations involving integers and floating point numbers using Python arithmetic operators			19/8/24
50	19-08-2024	String - Create a string , Indexing / Looping / Slicing			23/8/24
51	23-08-2024	String - Create a string , Indexing / Looping / Slicing			30/8/24
52	30-08-2024	Lists - Create a list , Indexing / Looping / Slicing , Adding items / Modifying items / Removing items			2/9/24
53	02-09-2024	Lists - Create a list , Indexing / Looping / Slicing , Adding items / Modifying items / Removing items			6/9/24
54	06-09-2024	Tuples - Create a tuple , Indexing / Looping / Slicing / Adding items to a tuple			9/9/24
55	09-09-2024	Tuples - Create a tuple , Indexing / Looping / Slicing / Adding items to a tuple			23/9/24
56	13-09-2024	Dictionary - Create a dictionary and access values with key / Adding a key- value pair / Adding to an empty dictionary /Modifying values in a dictionary / Removing key-value pair			27/9/24
57	23-09-2024	Dictionary - Create a dictionary and access values with key / Adding a key- value pair / Adding to an empty dictionary /Modifying values in a dictionary / Removing key-value pair			27/9/24
58	27-09-2024	Function- Call functions residing in the math module			30/9/24
59	30-09-2024	Function- Call functions residing in the math module			30/9/24
60	04-10-2024	Function- Define a function for later use			4/10/24
61	07-10-2024	Function- Define a function for later use			7/10/24
62	11-10-2024	Function- Pass one or more values into a function			14/10/24 20/10/24
63	14-10-2024	Function- Pass one or more values into a function			18/10/24 29/10/24



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64	18-10-2024	Function- Return one or more results from a function			24/10/24	
65	21-10-2024	Function- Return one or more results from a function			25/10/24	
66-75	25-10-2024	Case study: • Create a To do List Manager where Users should be able to add, remove, and view tasks • Create Student Grade Tracker: Allow users to add students, add grades for subjects, and calculate average grades.			25/10/24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	
30	30	25-10-24				

FACULTY

HOD

SHARSHAD AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.

PRINCIPAL



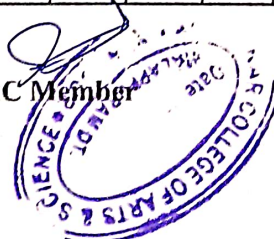
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Course outcome –Program outcome Mapping Table

CSC1MN102- PYTHON PROGRAMMING		Cognitive level	Program outcomes									
			1- Low Correlation 2- Moderate Correlation 3- High correlation									
			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
DIRECT METHOD												
CO1	Understand the basic concepts of Python programming	Remember	3			3	2			2		
CO2	Apply problem- solving skills using different control structures and loops	Apply	3		3	2	3		3	2		
CO3	Design simple Python programs to solve basic computational problems and acquire knowledge of Python's error handling mechanisms to effectively debug programs	Apply & Analyze	3		2	2	3		3	2		
CO4	Analyze the various data structures and operations on it using Python	Create	3		3	3	2			1		
CO5	Apply modular programming using functions	Innovate	3		2	2	2		2	1		
CO6	Identify the necessary Python packages in the domain and create simple programs with it	Innovate	3		2	2	2		2	1		
INDIRECT METHOD												
Class Room contests		Analyze & Create	3		2	3	2		2	1		

Course Faculty

IQAC Member



HoD

SHARSHAD AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.



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COURSE PRE-ANALYSIS

Dear Students,

Welcome back to class, I would like to thank all of you for sparing your time in filling up this Course Pre-Analysis survey for the effective conduct of Computer Aided Design and Manufacturing Course. As you know that this survey is meant for knowing the knowledge level of the students with respect to this course, please fill it very carefully. At this juncture, I am glad to welcome the suggestions from you all (if any).

Rate your prior knowledge about the topics mentioned below

Course Outcomes	Description	Rate your prior knowledge about the topics			
		Excellent (4)	Good (3)	Moderate (2)	Fair (1)
CO1	Understand the basic concepts of Python programming				✓
CO2	Apply problem- solving skills using different control structures and loops				✓
CO3	Design simple Python programs to solve basic computational problems and acquire knowledge of Python's error handling mechanisms to effectively debug programs				✓
CO4	Analyze the various data structures and operations on it using Python				✓
CO5	Apply modular programming using functions				✓
CO6	Identify the necessary Python packages in the domain and create simple programs with it				✓

Name of the student:

Amritha

Signature of the student

Amritha . pr



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Syllabus

Module	Unit	Content	Hrs	Marks
I	Introduction to Python		12	20
	1	Features of Python, Different methods to run Python, Python IDE	2	
	2	Comments, Indentation, Identifiers, Keywords, Variables	2	
	3	Standard Data Types	2	
	4	Input Output Functions, Import Functions, range function	1	
	5	Operators and Operands, Precedence of Operators, Associativity	2	
	6	Type Conversion, Multiple Assignment	1	
	7	Expressions and Statements, Evaluation of Expressions	1	
	8	Boolean Expressions	1	
II	Control Structures		12	20
	9	Decision Making-if statement ,if...else statement, if...elif...else statement, Nested if statement	5	
	10	Loops-for loop, for loop with else, while loop, while loop with else, Nested Loops	5	
	11	Using indentation in Python to define code blocks	1	
	12	Control Statements-break, continue, pass	1	
	Data Structures in Python		12	20
	13	Working with strings and string manipulation	3	
	14	List-creating list, accessing, updating and deleting elements from a list	2	
	15	Basic list operations	1	
	16	Tuple- creating and accessing tuples in python	2	



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III	17	Basic tuple operations	1	
	18	Dictionary, built in methods to create, access, and modify key-value pairs	2	
	19	Set and basic operations on a set	1	
IV	Functions		9	15
	20	Built-in functions-mathematical functions, date time functions, random numbers	1	
	21	Writing user defined functions- function definition, function call, flow of execution, parameters and arguments, Return statement	6	
	22	Recursion. Introduction to basic Python libraries(e.g. ,math ,random)	2	
	Hands-on Data Structures:		30	
	Practical Applications, Case Study and Course Project			
Design programs from the concepts listed below. Select the topics and programs suited For your domain				



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V		Programs to: • Run instructions in Interactive interpreter and as Python Script • Perform calculations involving integers and floating point numbers using Python arithmetic operators • Data Structures in Python • String-Create a string, Indexing/ Looping/Slicing • Lists-Create a list, Indexing/Looping /Slicing, Adding items/Modifying items/Removing items • Tuples-Create atuple, Indexing/Looping/Slicing/ Adding items to a tuple • Dictionary - Create a dictionary and access values with key / Adding a key- value pair / Adding to an empty dictionary/Modifying values in a dictionary/ Removing key-value pair Function • Call functions residing In the math module • Define a function for later use • Pass one or more values in to a function • Return one or more results from a function	
		Case study: • Create a To do List Manager where Users should be able to add, remove, and view tasks • Create Student Grade Tracker: Allow users to add students, add grades for subjects, and calculate average grades.	



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Reference Books:

1. Jose, Jeeva. Taming Python By Programming. Khanna Book Publishing, 2017. Print.
2. Downey, Allen. Think Python. Green Tea Press, 2nd ed. 2009

HOD

[Signature]

PRINCIPAL

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 In charge of Principal
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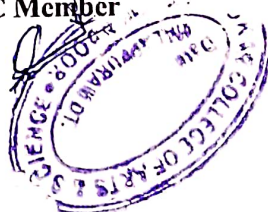
Course outcome –Program Specific outcome Mapping Table

Course outcomes	Program Specific outcomes					
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1		✓	✓	✓	✓	✓
CO2		✓	✓	✓	✓	✓
CO3		✓	✓	✓	✓	✓
CO4	✓	✓			✓	
CO5	✓	✓	✓	✓	✓	
CO6		✓	✓	✓	✓	✓

Course Faculty

[Signature]

IQAC Member



HoD

[Signature]

SHARSHAD
 Asst. Prof.
 Department
 Ambedkar
 Wandoor



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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TEST 35 MARKS				
Objective	To Identify What Students Have Learned and also to identify students strength and weakness			
To file	Answer scripts	Frequency	Once in a semester on dates specified by University	
Format	-			
Evaluation	Based on answer given in the scripts			
ASSIGNMENT: 2MARKS				
Objective	To enhance students understanding of a complex structural problems			
Product	Hand written assignment sheets			
Frequency	Semester			
Format	-			
Evaluation	Based on rubrics			
Criteria	No. of assignments: 1. Submit on or before the date of submission			
END SEMESTER EXAMINATION 100 MARKS				
Objective	To assess the each student's knowledge of the course			
Product	Result analysis			
Frequency	Semester			
Format	Part -A 10 x 3 =24 marks, Part -B 8 x 6 = 36 marks, Part -C 1 x 10 = 10 marks Total marks = 70, Duration : 2hours			
Evaluation	Based on answer given in the scripts			
Marks out of 100	30-50	50- 70	71-100	0-50
Levels of attainment	1	2	3	Counseling / Coaching classes.

CO5	Apply modular programming using functions					
CO6	Identify the necessary Python packages in the domain and create simple programs with it					
		<i>Suggestions for</i>				
		<i>Inclusions</i>	<i>Deletion of topics</i>			

Signature of the Student

Ame

Class Advisor

Ame

HoD

Ame

SHARSHAD AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandur, Bangalore Dt.



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COURSE EXIT SURVEY

Dear Students,

We are seeking valuable feedback from you, to improve upon the course contents, coverage, methods of instruction and teaching learning methods of the course you have learned for the semester, kindly rate the process of delivering the syllabus from 1 – 5 scale (5-Excellent, 4-Very good, 3-Good 2-Average, 1-Below average)

Name			Reg No			
Course Code	CSC1MN102	Name of Course	PYTHON PROGRAMMING			
Dept	COMPUTER SCIENCE	Semester	I	Date		
Sl No	Questioners	1	2	3	4	5
1.	Quality of the Course content					
2.	Suitability of Contents beyond syllabus topics					
3.	Relevance of the text& Reference books suggested					
4.	Support of Library for the Course contents					
5.	Course delivery methods by teacher					
6.	Use of ICT tools in class					
7.	Relevance of Syllabus topics for your placement					
8.	Usefulness of the topics for life					
9.	Content stimulates intellectually					
10.	Fairness of the internal evaluation system					
11.	Assignments, competitive evaluation methods					
12.	Topics covered supported by online resources & LMS					
I am able to achieve the following (Relating to Course outcomes)						
CO1	Understand the basic concepts of Python programming					
CO2	Apply problem- solving skills using different control structures and loops					
CO3	Design simple Python programs to solve basic computational problems and acquire knowledge of Python's error handling mechanisms to effectively debug programs					
CO4	Analyze the various data structures and operations on it using Python					

Attainment Levels of COs

Course Name: CSC1MN102- PYTHON PROGRAMMING				
Assessment Methods	Target-Attainment Levels			Attainment
Internal Assessment	Level 1	50% of students scoring more than 35% marks in internal assessment tools		LEVEL 03
	Level 2	60% of students scoring more than 35% marks in internal assessment tools		
	Level 3	70% of students scoring more than 35% marks in internal assessment tools		
Assessment Methods	Target-Attainment Levels			Attainment
University Assessment	Level 1	50% of students scoring more than 35% marks in UE assessment tools		LEVEL 03
	Level 2	60% of students scoring more than 35% marks in UE assessment tools		
	Level 3	70% of students scoring more than 35% marks in UE assessment tools		



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DEPARTMENT OF MATHEMATICS
CO ATTAINMENT - IA TEST MARKS (ODD SEM. 2024-2025)

Semester: I

Course: CSC1MN102- PYTHON PROGRAMMING

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	IA TEST	COURSE OUTCOMES	
			Q1 TO Q14	IA TEST	
			CO1 TO CO6	CO1 TO CO6	
		Max. Marks	35	%age	Y/N
1	ADITHYA U	UFAYSMT001	22	63	Y
2	AMRITHA . P . T	UFAYSMT002	24	69	Y
3	ANIYA P P	UFAYSMT003	17	49	Y
4	ANUSREE C T	UFAYSMT004	10	29	N
5	AYISHA NAHRIN CP	UFAYSMT005	30	86	Y
6	FADIHL A K	UFAYSMT006	16	46	Y
7	FIDA MK	UFAYSMT007	31	89	Y
8	HIBA K T	UFAYSMT008	10	29	N
9	MAHMOOD MUHYUDHEEN CK	UFAYSMT009	24	69	Y
10	MAJIDA SHERIN K K	UFAYSMT010	23	66	Y
11	MUHAMMED ASMIL A P	UFAYSMT011	15	43	Y
12	MUHAMMED FAHIZ T P	UFAYSMT012	9	26	N
13	MUHAMMED SALIM NK	UFAYSMT013	22	63	Y
14	NAJA NASRIN . P	UFAYSMT014	23	66	Y
15	NIDHA SAFRY M	UFAYSMT015	24	69	Y
16	RABIYATHUL ADHBIYYA	UFAYSMT016	16	46	Y
17	RIFANA K	UFAYSMT017	16	46	Y
18	RIHANA K	UFAYSMT018	27	77	Y
19	SHAHANA T P	UFAYSMT019	15	43	Y
20	SHIBIYA JEBIN T H	UFAYSMT020	23	66	Y
21	SULAIKHA FAHMA P	UFAYSMT021	16	46	Y
22	THIANHA FATHIMA K	UFAYSMT022	15	43	Y
23	AJNAH HANAN K P	UFAYBCM002	30	86	Y
24	ASLA A M	UFAYBCM013	22	63	Y
25	FATHIMA SHAHANA P K	UFAYBCM023	29	83	Y



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DEPARTMENT OF MATHEMATICS

26	JISMI . K	UFAYBCM027	23	66	Y
27	NAJA RAHIMA V P	UFAYBCM037	20	57	Y
28	SAHIALA . K	UFAYBCM044	23	66	Y
29	SAHANA . K	UFAYBCM045	20	57	Y
30	ADITHYA.T	UFAYAEC002	10	29	N
31	ANANYA.P	UFAYAEC004	9	26	N
32	DIYA.VP	UFAYAEC014	10	29	N
33	HESNA NAZRIN.KP	UFAYAEG028	34	97	Y
34	SHABANA.M	UFAYAEG048	10	29	N
35	SHAHANA SHERIN.MT	UFAYAEG049	16	46	Y
36	YAHYA	UFAYAEG059	0	0	N
				28	
				77.78	
			FOR LAL (CSC1MN102)	CO1 to CO6	
TARGET: 50% OF STUDENTS WILL SCORE 35% OF MARKS			77.8		



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DEPARTMENT OF MATHEMATICS

CO ATTAINMENT - ASSIGNMENT(ODD SEM. 2024-2025)

Semester: I

Course: CSC1MN102- PYTHON PROGRAMMING

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	ASSIGNMENT	SEMINAR	COURSE OUTCOMES			
			CO1 to CO6	CO1 to CO6	CO1 - CO6		CO1 -CO6	
		Max. Marks	2	3	%age	Y/N	%age	Y/N
1	ADITHYA U	UFAYSMT001	2	3	100	Y	100	Y
2	AMRITHA . P . T	UFAYSMT002	2	3	100	Y	100	Y
3	ANIYA P P	UFAYSMT003	2	3	100	Y	100	Y
4	ANUSREE C T	UFAYSMT004	2	3	100	Y	100	Y
5	AYISHA NAHRIN CP	UFAYSMT005	2	3	100	Y	100	Y
6	FADHIL A K	UFAYSMT006	2	3	100	Y	100	Y
7	FIDA MK	UFAYSMT007	2	3	100	Y	100	Y
8	IIBBA K T	UFAYSMT008	2	0	100	Y	0	N
9	CK	UFAYSMT009	2	3	100	Y	100	Y
10	MAJIDA SHERIN K K	UFAYSMT010	2	3	100	Y	100	Y
11	MUHAMMED ASMIL A P	UFAYSMT011	2	3	100	Y	100	Y
12	MUHAMMED FAHIZ T P	UFAYSMT012	2	3	100	Y	100	Y
13	MUHAMMED SALIM NK	UFAYSMT013	2	3	100	Y	100	Y
14	NAJA NASRIN . P	UFAYSMT014	2	3	100	Y	100	Y
15	NIDHA SAFRY M	UFAYSMT015	2	3	100	Y	100	Y
16	RABIYATHUL ADHBIYYA	UFAYSMT016	2	3	100	Y	100	Y

17	RIFANA K	UFAYSMT017	2	3	100	Y	100	Y
18	RIHANA K	UFAYSMT018	2	3	100	Y	100	Y
19	SHAHANA T P	UFAYSMT019	2	3	100	Y	100	Y
20	SHIBIYA JEBIN T H	UFAYSMT020	2	3	100	Y	100	Y
21	SULAIKHA FAHMA P	UFAYSMT021	2	3	100	Y	100	Y
22	THANHA FATHIMA K	UFAYSMT022	2	3	100	Y	100	Y
23	AJNAH HANAN K P	UFAYBCM002	2	3	100	Y	100	Y
24	ASLA A M	UFAYBCM013	2	3	100	Y	100	Y
25	FATHIMA SHAHANA P K	UFAYBCM023	2	3	100	Y	100	Y
26	JISMI . K	UFAYBCM027	2	3	100	Y	100	Y
27	NAJA RAIMA V P	UFAYBCM037	2	3	100	Y	100	Y
28	SAHALA . K	UFAYBCM044	2	3	100	Y	100	Y
29	SAHANA . K	UFAYBCM045	2	3	100	Y	100	Y
30	ADITHYA.T	UFAYAEC002	2	3	100	Y	100	Y
31	ANANYA.P	UFAYAEC004	2	3	100	Y	100	Y
32	DIYA.VP	UFAYAEC014	2	3	100	Y	100	Y
33	HESNA NAZRIN.KP	UFAYAEG028	2	3	100	Y	100	Y
34	SHABANA.M	UFAYAEG048	2	3	100	Y	100	Y
35	SHAHANA SHERIN.MT	UFAYAEG049	2	3	100	Y	100	Y
36	YAHYA	UFAYAEG059	2	3	100	Y	100	Y

36	35
100.00	97.22

FOR LAL (CSC4C04)	CO1 TO 6	CO1 TO 6
	100.00	97.22

TARGET: 1) 90% OF STUDENTS WILL SCORE 35% OF MARKS IN
ASSIGNMENT



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DEPARTMENT OF MATHEMATICS
CO ATTAINMENT - FINAL EXAM MARKS (EVEN SEM . 2024-2025)

Semester: I

Course: CSC1MN102- PYTHON PROGRAMMING

Sl. No.	Name of the student	REG NO	COURSE OUTCOMES	CO ATTAINMENT	
			CO 1 TO CO6	CO 1 TO CO5	
		Max. Marks	70	%age	Y/N
1	ADITHYA U	UFAYSMT001	44	62.85714286	Y
2	AMRITHA . P . T	UFAYSMT002	31	44.28571429	Y
3	ANIYA P P	UFAYSMT003	47	67.14285714	Y
4	ANUSREE C T	UFAYSMT004	24	34.28571429	N
5	AYISHA NAHRIN CP	UFAYSMT005	70	100	Y
6	FADHIL A K	UFAYSMT006	27	38.57142857	Y
7	FIDA MK	UFAYSMT007	51	72.85714286	Y
8	HIBA K T	UFAYSMT008	27	38.57142857	Y
9	MAHMOOD MUHYUDHEEN CK	UFAYSMT009	65	92.85714286	Y
10	MAJIDA SHERIN K K	UFAYSMT010	23	32.85714286	N
11	MUHAMMED ASMIL A P	UFAYSMT011	32	45.71428571	Y
12	MUHAMMED FAHIZ T P	UFAYSMT012	27	38.57142857	Y
13	MUHAMMED SALIM NK	UFAYSMT013	54	77.14285714	Y
14	NAJA NASRIN . P	UFAYSMT014	30	42.85714286	Y
15	NIDHA SAFRY M	UFAYSMT015	61	87.14285714	Y
16	RABIYATHUL ADHBIYYA	UFAYSMT016	38	54.28571429	Y
17	RIFANA K	UFAYSMT017	26	37.14285714	Y
18	RIHANA K	UFAYSMT018	27	38.57142857	Y
19	SHAHANA T P	UFAYSMT019	7	10	N
20	SHIBIYA JEBIN T H	UFAYSMT020	57	81.42857143	Y
21	SULAIKHA FAHMA P	UFAYSMT021	22	31.42857143	N
22	THANHA FATHIMA K	UFAYSMT022	45	64.28571429	Y
23	AJNAH HANAN K P	UFAYBCM002	39	55.71428571	Y
24	ASLA A M	UFAYBCM013	47	67.14285714	Y
25	FATHIMA SHAHANA P K	UFAYBCM023	54	77.14285714	Y
26	JISMI . K	UFAYBCM027	34	48.57142857	Y
27	NAJA RAHMA V P	UFAYBCM037	31	44.28571429	Y
28	SAHALA . K	UFAYBCM044	24	34.28571429	N
29	SAHANA . K	UFAYBCM045	32	45.71428571	Y
30	ADITHYA.T	UFAYAEC002	13	18.57142857	N

31	ANANYA.P	UFAYAEC004	15	21.42857143	N
32	DIYA.VP	UFAYAEC014	27	38.57142857	Y
33	HESNA NAZRIN.KP	UFAYAEG028	59	84.28571429	Y
34	SHABANA.M	UFAYAEG048	16	22.85714286	N
35	SHAHANA SHERIN.MT	UFAYAEG049	17	24.28571429	N
36	YAHYA	UFAYAEG059	25	35.71428571	Y
				27	
				75.00	
		FOR L&L (CSC1MN102)	CO1 to CO6		
			75.00		
		TARGET: 75% OF STUDENTS WILL SCORE 35% OF MARKS			



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DEPARTMENT OF MATHEMATICS

DIRECT ASSESSMENT METHOD - CO ATTAINMENT (EVEN SEM . 2024-2025)

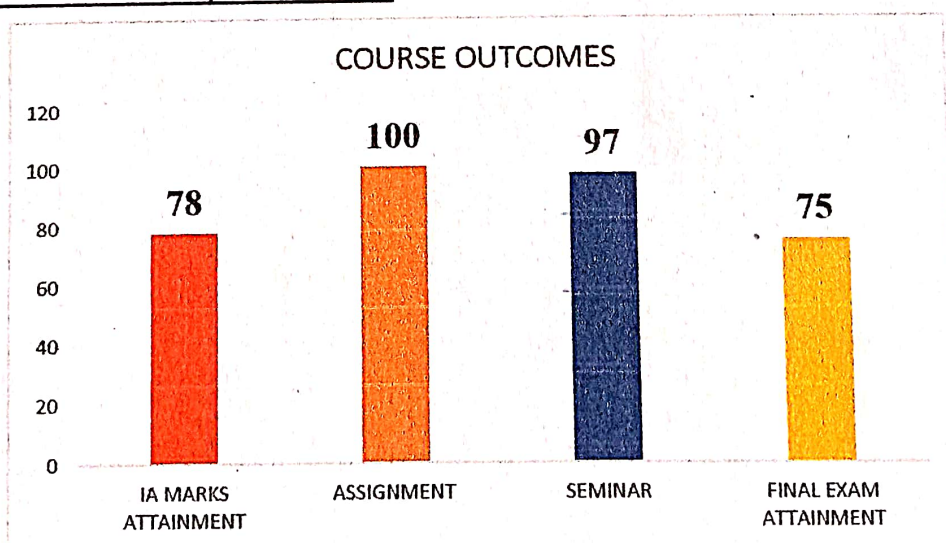
Semester: I

Course: CSC1MN102- PYTHON PROGRAMMING

Name of the faculty member: JASMINE MT

TARGET: 60% ATTAINMENT

COs	CO1 to CO6
IA MARKS ATTAINMENT	78
ASSIGNMENT	100
SEMINAR	97
FINAL EXAM ATTAINMENT	75
AVERAGE	88





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DEPARTMENT OF MATHEMATICS

COURSE EXIT SURVEY RESPONSES (EVEN SEM . 2023-2024)

Course: CSC1MN102- PYTHON PROGRAMMING

Semester: I

Name of the faculty member: JASMINE MT

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to Understand the basic concepts of Python programming	Are you able to Apply problem-solving skills using different control structures and loops	Are you able to Design simple Python programs to solve basic computational problems and acquire knowledge of Python's error handling mechanisms to effectively debug programs	Are you able to Apply modular programming using functions	Are you able to Identify the necessary Python packages in the domain and create simple programs with it
COURSE OUTCOMES							
			CO1	CO2	CO3	CO4	CO5
							CO6
1	ADITHYA U	UFAYSMT001	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
2	AMRITHA . P . T	UFAYSMT002	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
3	ANIYA P P	UFAYSMT003	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
4	ANUSREE C T	UFAYSMT004	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
5	AYISHA NAHRIN CP	UFAYSMT005	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
6	FADHIL A K	UFAYSMT006	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
7	FIDA MK	UFAYSMT007	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
8	HIBA K T	UFAYSMT008	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
9	MAHMOOD MUHYUDHEEN CK	UFAYSMT009	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
10	MAJIDA SHERIN K K	UFAYSMT010	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
11	MUHAMMED ASMIL A P	UFAYSMT011	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
12	MUHAMMED FAHIZ T P	UFAYSMT012	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
13	MUHAMMED SALIM NK	UFAYSMT013	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)

14	NAJA NASRIN . P	UFAYSMT014	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
15	NIDHA SAFRY M	UFAYSMT015	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
16	RABIYATHUL ADHBIYYA	UFAYSMT016	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
17	RIFANA K	UFAYSMT017	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
18	RIHANA K	UFAYSMT018	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
19	SHAHANA T P	UFAYSMT019	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)
20	SHIBIYA JEBIN T H	UFAYSMT020	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)
21	SULAIKHA FAHMA P	UFAYSMT021	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
22	THANHA FATHIMA K	UFAYSMT022	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)
23	AJNAH HANAN K P	UFAYBCM002	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
24	ASLA A M	UFAYBCM013	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
25	FATHIMA SHAHANA P K	UFAYBCM023	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
26	JISMI . K	UFAYBCM027	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
27	NAJA RAHMA V P	UFAYBCM037	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
28	SAHALA . K	UFAYBCM044	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
29	SAHANA . K	UFAYBCM045	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
30	ADITHYA.T	UFAYAEC002	4 (Very Good)	2 (Very Fair)	3 (Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
31	ANANYA P	UFAYAEC004	3 (Good)	2 (Very Fair)	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
32	DIYA.VP	UFAYAEC014	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
33	HESNA NAZRIN KP	UFAYAEG028	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
34	SHABANA.M	UFAYAEG048	3 (Good)	3 (Good)	2 (Very Fair)	3 (Good)	3 (Good)	3 (Good)	2 (Very Fair)
35	SHAHANA SHERIN.MT	UFAYAEG049	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
36	YAHYA	UFAYAEG059	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)
No. of graded "0"			0	0	0	0	0	0	0
No. of graded "1"			0	0	0	0	0	0	0
No. of graded "2"			0	2	1	0	0	0	1
No. of graded "3"			2	5	5	7	9	5	5
No. of graded "4"			14	17	21	20	21	21	21
No. of graded "5"			20	12	9	9	6	9	9



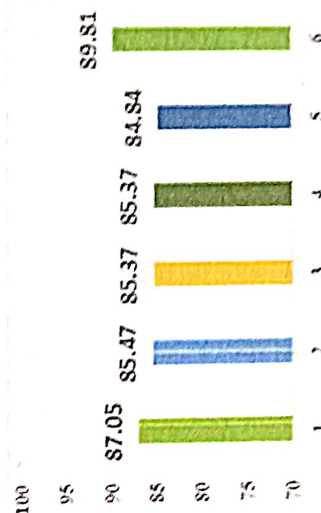
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DEPARTMENT OF MATHEMATICS

COURSE EXIT SURVEY RESPONSES (EVEN SEM. 2024-2025)

Course: CSC1MN102- PYTHON PROGRAMMING															
Semester: I		Name of the faculty member: JASMINE MT													
CO No.	CO description	Course Exit Survey Questions					No. of students given the ratings					Total Responses	Weighted Average	CO Max. Count	Page CO attainment
		0	1	2	3	4	5								
CO1	Understand the basic concepts of Python programming	0	0	0	2	14	20	36	4.25	5	85.25				
CO2	Apply problem- solving skills using different control structures and loops	0	0	2	5	17	12	36	3.57	5	77.37				
CO3	Design simple Python programs to solve basic computational problems and acquire knowledge of error handling mechanisms to Python's error handling mechanisms to effectively debug programs.	0	0	1	5	21	9	36	3.84	5	75.84				
CO4	Analyze the various data structures and operations on it using Python	0	0	0	7	20	9	36	3.84	5	75.84				
CO5	Apply modular programming using functions	0	0	0	9	21	6	36	3.71	5	74.21				
CO6	Identify the necessary Python packages in the domain and create simple programs with it	0	0	1	5	21	9	36	3.84	5	75.84				

CO Assessment method	CO1	CO2	CO3	CO4	CO5	CO6
Direct method (IA Test, Assignment/quiz and exam)	88	88	88	88	88	93
Weightage (80%)	70	70	70	70	70	74
Indirect method (Course Exit Survey)	85.23	77.37	76.84	76.84	74.21	76.84
Weightage (20%)	17.05	15.47	15.37	15.37	14.84	15.37
Final CO Attainment	87.05	85.47	85.37	85.37	84.84	89.81





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DEPARTMENT OF MATHEMATICS

CO-PO-PSO MAPPING (ODD SEM . 2024-2025)

Semester: I

Name of the faculty member: JASMINE MT

Course: CSC1MN102- PYTHON PROGRAMMING

(I) CO Attainment

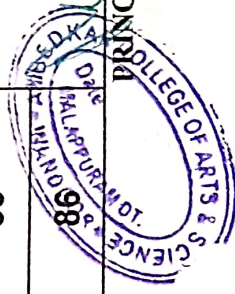
A: Direct assessment (80%)-Tests, Assignment, Examination

B: Indirect assessment (20%)-Course end survey

COs	Mapping of POs	Mapping of PSOs	Direct Assessment (a)	Indirect Assessment (b)	Overall Attainment $0.8(a) + 0.2(b)$	Target (%)	Attainment
CO1	PO1,PO4,PO5 & PO8	PSO2,PSO3,PSO4,PSO5 & PSO6	88	85.26	87	75	YES
CO2	PO1, PO3, PO4,PO5,PO7 & PO8	PSO2,PSO3,PSO4,PSO5 & PSO6	88	77.37	85		
CO3	PO1, PO3, PO4,PO5,PO7 & PO8	PSO2,PSO3,PSO4,PSO5 & PSO6	88	76.84	85		
CO4	PO1, PO3, PO4,PO5& PO8	PSO1,PSO2 & PSO5	88	76.84	85		
CO5	PO1, PO3, PO4,PO5,PO7 & PO8	PSO1, PSO2, PSO3, PSO4 & PSO5	88	74.21	85		
CO6	PO1, PO3, PO4,PO5,PO7 & PO8	PSO1, PSO2, PSO3,PSO4 & PSO5	88	76.84	86		
FACULTY			HOD				

JASMINE MT

Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.



Asst. Professor
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.