



AMBEDKAR COLLEGE OF ARTS & SCIENCE, WANDOOR
 (Aided by Govt. of Kerala & Affiliated to University of Calicut)
 Wandoor (PO), Pin 679328, Ph: 04931-249666
acaswandoor@gmail.com, Website: www.ambedkarcollegewdr.in

COURSE PLAN										
Course code and title	CSC3C03- PROBLEM SOLVING USING C									
Class	BSC MATHEMATICS				Semester	THREE				
Regulation	2019				Academic year	2024-25				
Course prerequisites	Background of the basic science at +2 level									
Course objectives	To learn the concepts of programming.									
	To learn the C language									
COURSE OUTCOMES										
At the end of the course the student would be able to...										
CO1	Understand and describe the basics of the C programming language.									
CO2	Apply C programming constructs to solve simple problems..									
CO3	Analyze and debug C programs for errors and efficiency.									
CO4	Evaluate and use functions , pointers and arrays in C programming.									
CO5	Create and develop comprehensive C programs for real world applications.									
MAPPING OF PROGRAM OUTCOMES										
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓		✓	✓				✓		
CO2	✓		✓	✓	✓		✓	✓		
CO3	✓		✓	✓	✓					
CO4	✓		✓	✓						
CO5	✓		✓	✓	✓		✓	✓		



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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.

MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES

PROGRAM EDUCATIONAL OUTCOMES	COURSE OUTCOMES				
	CO1	CO2	CO3	CO4	CO5
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.		✓	✓		✓



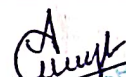
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Graduates will be equipped with core values and intellectual capabilities, enabling them to pursue lifelong learning and meaningfully contribute to societal well-being through innovative thinking and service.					
PEO3: Entrepreneurial and Global Competence. Graduates will possess entrepreneurial skills and a global perspective, promoting sustainable national growth through ethical leadership, innovative ventures, and responsible citizenship.		✓			✓
TEXT BOOKS: 1. E Balagurusamy, Programming in Ansi C, Tata McGraw Hill					
REFERENCES: 2. ByranGotfried, Programming with C, Schaum Series 3. Kezningham&Ritchie, Programming in C 4. YashvantKanetkar, Let us C, BPB publications 5. Mullish Cooper, The spirit of C, Jasco books 6. Herbert Schildt, The Complete reference C, Tata McGraw Hill					
e-learning resources	https://www.geeksforgeeks.org/c-programming-language/				
Mode of Evaluation	Internal Examination (20%) End Semester Examination (80%)				
Faculty	Jasmine MT , Assistant Professor/ Department of Computer Science				
e-mail id	Jasminefasil123@gmail.com				



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COURSE PLAN- CSC3C03- PROBLEM SOLVING USING C

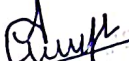
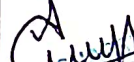
No of lecture hours	Planned Date	Topics to be covered		Reference/ Teaching aids and methods	Actual date	Weekly review
MODULE I - Introduction to C						
1	18-07-2024	Structure of C program, Character Set		T/WB	18-7-24	
2	19-07-2024	Keywords, Identifiers, Data Types		T/WB	19-7-24	
3	22-07-2024	Qualifiers, Variables, Declarations		T/PPT	29-7-24	
4	23-07-2024	Symbolic Constants, Expressions, Statements		T/PPT	29-7-24	
5	24-07-2024	Different Types of Operators- Arithmetic, Logical, Relational & Equality operators		T/WB	5-8-24	
6	25-07-2024	Unary and Conditional operators, Operator Precedence and Associativity		T/WB	8-8-24	
7	26-07-2024	Library Functions, Comments		T/PPT	8-8-24	
8	29-07-2024	I/O functions-Formatted scanf() & printf()		T/WB	9-8-24	
9	30-07-2024	getchar (), putchar (), getche(), gets(), puts()		T/WB	19-8-24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	
9	9	19-8-24			Ambedkar College of Arts & Science Wandoor	
MODULE II - Control Statements						
10	31-07-2024	Control Statements		WB/T	21-8-24	
11	02-08-2024	Selection Statements		WB/T	21-8-24	
12	05-08-2024	if, if-else		WB/T	22-8-24	
13	07-08-2024	else if ladder, switch		WB/T	23-8-24	
14	09-08-2024	Iteration statements		WB/T	23-8-24	
15	12-08-2024	while, do while		WB/T	24-8-24	
16	14-08-2024	for		WB/T	24-8-24	
17	16-08-2024	jumping (goto, break, continue)		WB/T	30-8-24	
18	19-08-2024	Nested Control Statements		WB/T	30-8-24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	
9	9	30-8-24			Ambedkar College of Arts & Science Wandoor	
MODULE III - Structured Data types						
19	21-08-2024	Structured Data types		PPT/WB	2-9-24	
20	23-08-2024	Arrays		PPT/WB	2-9-24	
21	02-09-2024	One dimensional arrays		WB/T	3-9-24	
22	04-09-2024	Two Dimensional arrays		WB/T	4-9-24	
23	06-09-2024	Character Functions		WB/T	5-9-24	
24	09-09-2024	String Functions		WB/PPT	6-9-24	



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25	11-09-2024	Structure				WB/T	9-9-24	
26	13-09-2024	Definition, Processing				WB/T	11-9-24	
27	23-09-2024	period Operator				WB/T	23-9-24	
28	25-09-2024	Union				WB/T	25-9-24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
10	10	25-9-24				Asst. Professor in charge of Principal Ambedkar College of Arts & Science Wandoor		
MODULE IV - User defined Functions								
29	27-09-2024	User defined Functions				T/WB	27-9-24	
30	30-09-2024	Advantages, Definition				T/WB	30-9-24	
31	04-10-2024	Accessing functions				T/WB	1-10-24	
32	07-10-2024	formal and Actual Parameters				T/WB	3-10-24	
33	09-10-2024	Recursion				T/WB	5-10-24	
34	11-10-2024	Storage Classes				T/WB	7-10-24	
35	14-10-2024	Automatic				PPT/WB	9-10-24	
36	16-10-2024	External				PPT/WB	14-10-24	
37	18-10-2024	Static and Register Variable				PPT/WB	16-10-24	
38	21-10-2024	Argument Passing Mechanism				WB/T	18-10-24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
10	10	18-10-24				Asst. Professor in charge of Principal Ambedkar College of Arts & Science Wandoor		
MODULE V - Pointers and data files								
39	23-10-2024	Pointers				WB/T	21-10-24	
40	25-10-2024	advantages				WB/T	23-10-24	
41	28-10-2024	declaration				WB/T	25-10-24	
42	30-10-2024	operations on pointers				WB/T	26-10-24	
43	01-11-2024	pointers and one dimensional arrays				WB/T	28-10-24	
44	04-11-2024	dynamic memory allocation				WB/T	30-10-24	
45	06-11-2024	Data files (sequential)				WB/T	1-11-24	
46	08-11-2024	file handling functions				WB/T	4-11-24	
47	11-11-2024	fopen(), fclose()				WB/T	6-11-24	
48	13-11-2024	fputc(), fgetc(), fgets(), fputs()				WB/T	8-11-24	
49	15-11-2024	fscanf(), fprintf()				WB/T	11-11-24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
11	11	11-11-24				Asst. Professor in charge of Principal Ambedkar College of Arts & Science Wandoor		

FACULTY

[Signature]

HOD

[Signature]
SHARSHI AMEERA.U
Asst. Professor & Head
Department of Mathematics
Ambedkar College of Arts & Science
Wandoor, Malappuram Dt.

PRINCIPAL

[Signature]
Asst. Professor in charge of Principal
Ambedkar College of Arts & Science
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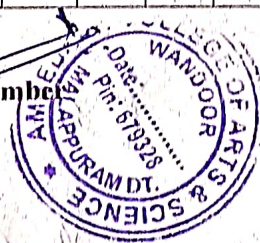
Course outcome –Program outcome Mapping Table

CSC3C03- PROBLEM SOLVING USING C		Cognitive level	Program outcomes 1- Low Correlation 2- Moderate Correlation 3- High Correlation									
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
			DIRECT METHOD									
CO1	Understand and describe the basics of the C programming language.	Remember	3		2	1	2					
CO2	Apply C programming constructs to solve simple problems..	Apply	3		3	2	3		2	1		
CO3	Analyze and debug C programs for errors and efficiency.	Apply & Analyze	2		2	3	2					
CO4	Evaluate and use functions , pointers and arrays in C programming.	Create	2		1	2						
CO5	Create and develop comprehensive C programs for real world applications.	Innovate	3		3	3	3		2	1		
INDIRECT METHOD												
Class Room contests		Analyze & Create	1		3	2		1	2	1		

Course Faculty

[Signature]

IQAC Member



HOD

[Signature]

SHARSHAD AMEERA.U
 Asst. Professor & Head
 Department of Mathematics
 Ambedkar College of Arts & Science
 Wandoor, Wandoor 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 and describe the basics of the C programming language.				✓
CO2	Apply C programming constructs to solve simple problems..				✓
CO3	Analyze and debug C programs for errors and efficiency.				✓
CO4	Evaluate and use functions , pointers and arrays in C programming.				✓
CO5	Create and develop comprehensive C programs for real world applications.				✓

Name of the student:

Signature of the student

Rishwana. E.K.

Rishwana. E.K



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Syllabus

UNIT I [9 T+7L]

Introduction to C- Structure of C program, Character Set, Keywords, Identifiers, Data Types, Qualifiers, Variables, Declarations, Symbolic Constants, Expressions, Statements, Different Types of Operators (Arithmetic, Logical, Relational & Equality, Unary and Conditional), Operator Precedence and Associativity, Library Functions, Comments, I/O functions- (Formatted scanf() & printf(), getchar (), putchar (), getch(), gets(), puts())

UNIT II [9 T+7L]

Control Statements- Selection Statements (if, if-else, else if ladder, switch), iteration (while, do while, for), jumping (goto, break, continue), Nested Control Statements

UNIT III [10 T+6L]

Structured Data types - Arrays (One dimensional and Two Dimensional), Character and String Functions, Structure (Definition, Processing-period Operator), Union

UNIT IV [10 T+6L]

User defined Functions - Advantages, Definition, Accessing functions, formal and Actual Page 114 of 122 BSc. Computer Science (Academic Year 2019-20 Onwards) 114 | Page Board of Studies UG | Computer Science & Applications | University of Calicut Parameters, Recursion, Storage Classes- Automatic, External, Static and Register Variable, Argument Passing Mechanism

UNIT V [11T+6L]

Pointers and data files- Pointers, advantages, declaration, operations on pointers, pointers and one dimensional arrays, dynamic memory allocation. Data files (sequential), file handling functions (fopen(), fclose(), fputc(), fgetc(), fgets(), fputs(), fscanf(), fprintf())

Text Book:

1. E Balagurusamy, Programming in Ansi C, Tata McGraw Hill

References:

1. ByranGotfried, Programming with C, Schaum Series
2. Kezningham&Ritchie, Programming in C
3. YashvantKanetkar, Let us C, BPB publications
4. Mullish Cooper, The spirit of C, Jasco books
5. Herbert Schildt, The Complete reference C, Tata McGraw Hill

HOD


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PRINCIPAL

In charge of
Ambedkar College of Arts & Science
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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	✓		✓	✓	✓	✓

Course Faculty

IQAC Member



HoD

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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TEST30 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:3 MARKS				
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 (Reduced to 75 Marks)				
Objective	To assess the each student's knowledge of the course			
Product	Result analysis			
Frequency	Semester			
Format	Part –A 12 x 3 =24 marks, Part –B 5 x 7 = 25 marks 10 x 1=10, Total marks = 60, Duration : 2 hours			
Evaluation	Based on answer given in the scripts			
Marks out of 100	0-50 (22-37)	51-70 (38- 52)	71-100 (53-75)	0-50 (0-37)
Levels of attainment	1	2	3	Counseling / Coaching classes.



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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		Rishwana . EK		Reg No		VFAXSMT016	
Course Code		CSC3C03	Name of Course		PROBLEM SOLVING USING C		
Dept		MATHEMATICS	Semester		III	Date 1-12-24	
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 and describe the basics of the C programming language.				✓		
CO2	Apply C programming constructs to solve simple problems..				✓		
CO3	Analyze and debug C programs for errors and efficiency.				✓		
CO4	Evaluate and use functions , pointers and arrays in C programming.				✓		

Signature of the Student

Rishwana

Class Advisor

Ham

HoD

Ameera

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CO5	Create and develop comprehensive C programs for real world applications.					
		<i>Suggestions for</i>				
<i>Inclusions</i>		<i>Deletion of topics</i>				

Signature of the Student

Rish

Class Advisor

Hann

HoD

Ameera

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Attainment Levels of COs

Course Name: CSC3C03- PROBLEM SOLVING USING C				
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: III

Course: CSC3C03- PROBLEM SOLVING USING C

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	Max. Marks	IA TEST		COURSE OUTCOMES	
				Q1 TO Q14	IA TEST	CO1 TO CO5	IA TEST
				30	%age	Y/N	
1	ANEENA.K.P	UFAXSMT001		28	93	Y	
2	ASNA SHERIN V T	UFAXSMT002		27	90	Y	
3	AYISHA HANNA C K	UFAXSMT003		30	100	Y	
4	FATHIMA FIDHA K	UFAXSMT004		13	43	Y	
5	FATHIMA MINNATH K	UFAXSMT005		28	93	Y	
6	FATHIMA NASNA V T.	UFAXSMT006		23	77	Y	
7	FATHIMA SHIFA. M.K	UFAXSMT007		27	90	Y	
8	FATHIMA THAMJEEDA	UFAXSMT008		29	97	Y	
9	FIDA PK	UFAXSMT009		25	83	Y	
10	FIDHA V	UFAXSMT010		30	100	Y	
11	HAFLA. T. K	UFAXSMT011		28	93	Y	
12	MUFEEDA SHIFA. M.P	UFAXSMT012		24	80	Y	



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DEPARTMENT OF MATHEMATICS

13	NUBLA SHANA . P	UFAXSMT013	29	97	Y
14	RABEEBA K P	UFAXSMT014	29	97	Y
15	RASHA JALEEL P	UFAXSMT015	27	90	Y
16	RISHWANA E K	UFAXSMT016	27	90	Y
17	ABOBACKER NAFIH T T	UFAXSMT017	16	53	Y
18	JAMSHEEDALIC P	UFAXSMT018	29	97	Y
19	MOHAMMED AMALSHAN T	UFAXSMT019	15	50	Y
20	MUHAMMAD RISHWAN K	UFAXSMT020	8	27	N
21	MUHAMMED ANSHIF . T	UFAXSMT021	17	57	Y
22	MUHAMMED SHAHID.V	UFAXSMT022	30	100	Y
23	ANAYA U P	UFAXSMT023	22	73	Y
24	ANJIMA SHAJI	UFAXSMT024	29	97	Y
25	ARYA VS	UFAXSMT025	29	97	Y
26	HANEENA K	UFAXSMT026	29	97	Y
27	KRISHNENDHU K	UFAXSMT027	23	77	Y
28	RIYA . P	UFAXSMT028	19	63	Y
29	SWATHIKRISHNA A K	UFAXSMT029	14	47	Y



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DEPARTMENT OF MATHEMATICS

30	SHAMSIYA PARWEEN	UFAXSMT032	18	60	Y
FOR LAL (CSC3C03)			29		
			96.67		
TARGET: 50% OF STUDENTS WILL SCORE 35% OF MARKS			CO1 to CO5		
			96.7		



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DEPARTMENT OF MATHEMATICS

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

Semester: III

Course: CSC3C03 PROBLEM SOLVING USING C

Name of the faculty member: JASMINE MT

Sl. No.	Name of the student	REG NO	Max. Marks	ASSIGNMENT CO1 to CO5	SEMINAR CO1 to CO5	ATTENDANCE	COURSE OUTCOMES				ATTENDANCE	
							%age	Y/N	%age	Y/N	%age	Y/N
1	ANEENA K.P	UFAXSMT001	3	3	3	3	100	Y	100	Y	100	Y
2	ASNA SHERIN V T	UFAXSMT002	3	3	3	3	100	Y	100	Y	100	Y
3	AYISHA HANNA C K	UFAXSMT003	3	3	3	3	100	Y	100	Y	100	Y
4	FATHIMA FIDHA K	UFAXSMT004	3	3	3	3	100	Y	100	Y	100	Y
5	FATHIMA MINNATH K	UFAXSMT005	3	3	3	3	100	Y	100	Y	100	Y
6	FATHIMA NASNA V T.	UFAXSMT006	3	3	3	3	100	Y	100	Y	100	Y
7	FATHIMA SHIFA. MK	UFAXSMT007	3	3	3	3	100	Y	100	Y	100	Y
8	FATHIMA THAMJEEDA	UFAXSMT008	3	3	3	3	100	Y	100	Y	100	Y
9	FIDA PK	UFAXSMT009	3	3	3	2	100	Y	100	Y	66.6667	Y
10	FIDHA V	UFAXSMT010	3	3	3	3	100	Y	100	Y	100	Y
11	HAFLA. T. K	UFAXSMT011	3	3	3	3	100	Y	100	Y	100	Y
12	MUFEEDA SHIFA. M.P	UFAXSMT012	3	3	3	2	100	Y	100	Y	66.6667	Y
13	NUBLA SHANA. P	UFAXSMT013	3	3	3	3	100	Y	100	Y	100	Y
14	RABEEBA K P	UFAXSMT014	3	3	3	3	100	Y	100	Y	100	Y
15	RASHA JALEEL P	UFAXSMT015	3	3	3	3	100	Y	100	Y	100	Y
16	RISHWANA E K	UFAXSMT016	3	3	3	3	100	Y	100	Y	100	Y

17	ABOBACKER NAFIH T T	UFAXSMT017	3	3	1	100	Y	100	Y	33.3333	Y
18	JAMSHEEDALI C.P	UFAXSMT018	3	3	3	100	Y	100	Y	100	Y
19	MOHAMMED AMALSHAN T	UFAXSMT019	3	3	1	100	Y	100	Y	33.3333	Y
20	MUHAMMAD RISHWAN K	UFAXSMT020	3	3	2	100	Y	100	Y	66.6667	Y
21	MUHAMMED ANSHIF . T	UFAXSMT021	3	3	2	100	Y	100	Y	66.6667	Y
22	MUHAMMED SHAHID.V	UFAXSMT022	3	3	3	100	Y	100	Y	100	Y
23	ANAYA U P	UFAXSMT023	3	3	3	100	Y	100	Y	100	Y
24	ANJIMA SHAJI	UFAXSMT024	3	3	3	100	Y	100	Y	100	Y
25	ARYA VS	UFAXSMT025	3	3	3	100	Y	100	Y	100	Y
26	HANEENA K	UFAXSMT026	3	3	3	100	Y	100	Y	100	Y
27	KRISHNENDHU K	UFAXSMT027	3	3	3	100	Y	100	Y	100	Y
28	RIYA . P	UFAXSMT028	3	3	3	100	Y	100	Y	100	Y
29	SWATHIKRISHNA A K	UFAXSMT029	3	3	3	100	Y	100	Y	100	Y
30	SHAMSIYA PARWEEN	UFAXSMT032	3	3	3	100	Y	100	Y	100	Y
						30		30		30	
						100.00		100.00		100.00	

FOR LAL (CSC3C03)	CO1 TO 5	CO1 TO 5	ATTENDANCE
	100.00	100.00	100.00

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



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DEPARTMENT OF MATHEMATICS

CO ATTAINMENT - FINAL EXAM MARKS (ODD SEM . 2024-2025)

Semester: III

Course: CSC3C03-PROBLEM SOLVING USING C

Sl. No.	Name of the student	REG NO	COURSE OUTCOMES	CO ATTAINMENT	
			CO 1 TO CO5	CO 1 TO CO5	
		Max. Grade	20	%age	Y/N
1	ANEENA.K.P	UFAXSMT001	16	80	Y
2	ASNA SHERIN V T	UFAXSMT002	12	60	Y
3	AYISHA HANNA C K	UFAXSMT003	14	70	Y
4	FATHIMA FIDHA K	UFAXSMT004	10	50	Y
5	FATHIMA MINNATH K	UFAXSMT005	16	80	Y
6	FATHIMA NASNA V T.	UFAXSMT006	16	80	Y
7	FATHIMA SHIFA. MK	UFAXSMT007	12	60	Y
8	FATHIMA THAMJEEDA	UFAXSMT008	18	90	Y
9	FIDA PK	UFAXSMT009	12	60	Y
10	FIDHA V	UFAXSMT010	14	70	Y
11	HAFLA. T. K	UFAXSMT011	14	70	Y
12	MUFEEDA SHIFA. M.P	UFAXSMT012	12	60	Y
13	NUBLA SHANA . P	UFAXSMT013	14	70	Y
14	RABEEBA K P	UFAXSMT014	14	70	Y
15	RASHA JALEEL P	UFAXSMT015	14	70	Y
16	RISHWANA E K	UFAXSMT016	18	90	Y
17	ABOBACKER NAFIH T T	UFAXSMT017	0	0	N
18	JAMSHEEDALL C.P	UFAXSMT018	16	80	Y
19	MOHAMMED AMALSHAN T	UFAXSMT019	8	40	Y
20	MUHAMMAD RISHWAN K	UFAXSMT020	8	40	Y
21	MUHAMMED ANSHIF . T	UFAXSMT021	10	50	Y
22	MUHAMMED SHAHID.V	UFAXSMT022	16	80	Y
23	ANAYA U P	UFAXSMT023	12	60	Y
24	ANJIMA SHAJI	UFAXSMT024	16	80	Y
25	ARYA VS	UFAXSMT025	14	70	Y
26	HANEENA K	UFAXSMT026	16	80	Y
27	KRISHNĒNDHU K	UFAXSMT027	12	60	Y
28	RIYA . P	UFAXSMT028	10	50	Y
29	SWATHIKRISHNA A K	UFAXSMT029	10	50	Y
30	SHAMSIYA PARWEEN	UFAXSMT032	12	60	Y

				29	
				96.67	
		FOR L2:L	CO1 to CO5		
		(CSC3003)	96.67		
		TARGET: 75% OF STUDENTS WILL SCORE 35% OF MARKS			



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DEPARTMENT OF MATHEMATICS

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

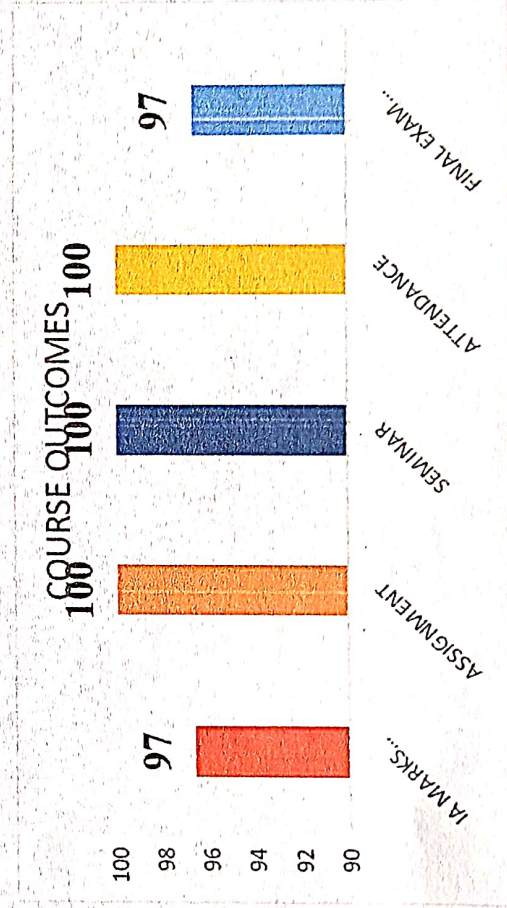
Semester: III

Course: CSC3C03-PROBLEM SOLVING USING C

Name of the faculty member: JASMINE MT

TARGET: 60% ATTAINMENT

COs	CO1 to CO5
IA MARKS ATTAINMENT	97
ASSIGNMENT	100
SEMINAR	100
ATTENDANCE	100
FINAL EXAM ATTAINMENT	97
AVERAGE	99





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DEPARTMENT OF MATHEMATICS

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

Course: CSC3C03-PROBLEM SOLVING USING C

Semester: III

Name of the faculty member: JASMINE MT

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to understand and describe the basics of the C programming language.	Are you able to apply C programming constructs to solve simple problems..	Are you able to analyze and debug C programs for errors and efficiency.	Are you able to evaluate and use functions , pointers and arrays in C programming.	Are you able to create and develop comprehensive C programs for real world applications.
COURSE OUTCOMES			CO1	CO2	CO3	CO4	CO5
1	ANEENA.K.P	UFAXSMT001	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
2	ASNA SHERIN V T	UFAXSMT002	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
3	AYISHA HANNA C K	UFAXSMT003	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
4	FATHIMA FIDHA K	UFAXSMT004	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
5	FATHIMA MINNATH K	UFAXSMT005	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
6	FATHIMA NASNA V T.	UFAXSMT006	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
7	FATHIMA SHIFA. M.K	UFAXSMT007	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)
8	FATHIMA THAMJEEDA	UFAXSMT008	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)
9	FIDA PK	UFAXSMT009	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
10	FIDHA V	UFAXSMT010	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
11	HAFLA. T. K	UFAXSMT011	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)
12	MUFEEDA SHIFA. M.P	UFAXSMT012	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)

13	NUBLA SHANA , P	UPANSMFT013	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
14	RABEBA K P	UPANSMFT014	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
15	RASHA JALEEL P	UPANSMFT015	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
16	RISHWANA F K	UPANSMFT016	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)
17	ABOORACKER NAFITH T T	UPANSMFT017	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
18	JAMSHED DALIC P	UPANSMFT018	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	5 (EXCELLENT)
19	MUHAMMED AMALSIHAN P	UPANSMFT019	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	3 (Good)	3 (Good)
20	MUHAMMAD RISHWAN K	UPANSMFT020	3 (Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
21	MUHAMMED ANSHIR , T	UPANSMFT021	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)
22	MUHAMMED SHAHDAY	UPANSMFT022	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)
23	ANAYA U P	UPANSMFT023	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
24	ANJMA SHAJI	UPANSMFT024	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)
25	ARYA VS	UPANSMFT025	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)
26	HANEENA K	UPANSMFT026	5 (EXCELLENT)	5 (EXCELLENT)	4 (Very Good)	5 (EXCELLENT)	4 (Very Good)
27	KRISHNENDHU K	UPANSMFT027	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
28	RIYA , P	UPANSMFT028	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (EXCELLENT)
29	SWATHIKRISHNA A K	UPANSMFT029	5 (EXCELLENT)	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)
30	SHAMSIA PARWEEN	UPANSMFT030	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
		No. of graded "0"	0	0	0	0	0
		No. of graded "1"	0	0	0	0	0
		No. of graded "2"	0	0	0	0	0
		No. of graded "3"	1	1	2	5	6
		No. of graded "4"	8	11	19	15	16
		No. of graded "5"	21	18	9	10	8

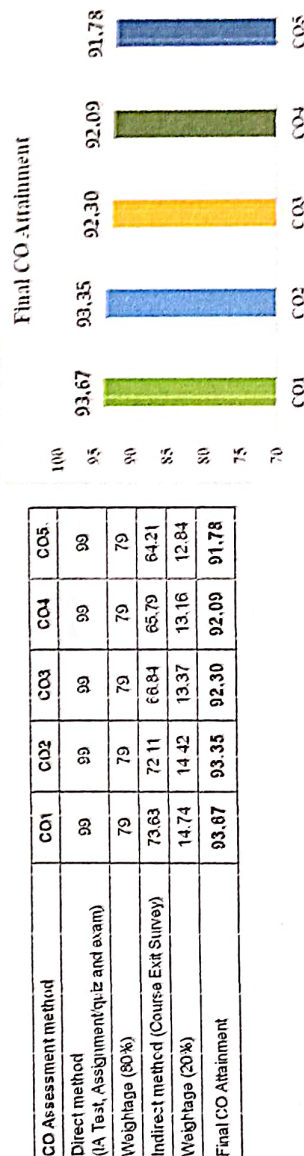


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DEPARTMENT OF MATHEMATICS

COURSE EXIT SURVEY RESPONSES (100 SEM, 2024-2025)

Semester: III		Course: C PROGRAM PROBLEM SOLVING USING C									
Name of the faculty member: JASMINA M		No. of students given the rating					Total Responses		Weighted Average	CO Max. Count	%age CO Attainment
CO No.	CO description	0	1	2	3	4	5				
CO1	Understand and describe the basics of the C programming language	0	0	0	1	8	21	30	3.65	5	73.68
CO2	Apply C programming constructs to solve simple problems.	0	0	0	1	11	18	30	3.61	5	72.11
CO3	Analyze and debug C programs for errors and efficiency.	0	0	0	2	19	9	30	3.34	5	66.84
CO4	Evaluate and use functions, pointers and arrays in C programming.	0	0	0	5	15	10	30	3.29	5	65.79
CO5	Create and develop comprehensive C programs for real world applications	0	0	0	6	18	8	30	3.21	5	64.21



CO Assessment method	CO1	CO2	CO3	CO4	CO5
Direct method (IA Test, Assignment/quiz and exam)	99	99	99	99	99
Weightage (80%)	79	79	79	79	79
Indirect method (Course Exit Survey)	73.63	72.11	66.84	65.79	64.21
Weightage (20%)	14.74	14.42	13.37	13.16	12.84
Final CO Attainment	93.67	93.35	92.30	92.09	91.78



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DEPARTMENT OF MATHEMATICS

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

Semester: III

Name of the faculty member: JASMINE MT

Course: CSC3C03-PROBLEM SOLVING USING C

(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	Indirect Assessment		Overall Attainment	Target (%)	Attainment
			(a)	(b)	(b)			
CO1	PO1, PO3, PO4 & PO8	PSO1 & PSO4	99	73.68		94		
CO2	PO1, PO3, PO4, PO5, PO7 & PO8	PSO1, PSO3, PSO4, PSO5 & PSO6	99	72.11		93		
CO3	PO1, PO3, PO4 & PO5	PSO1, PSO3, PSO4, PSO5 & PSO6	99	66.84		92	75	YES
CO4	PO1, PO3 & PO4	PSO1, PSO3 & PSO4	99	65.79		92		
CO5	PO1, PO3, PO4, PO5, PO7 & PO8	PSO1, PSO3, PSO4, PSO5 & PSO6	99	64.21		92		

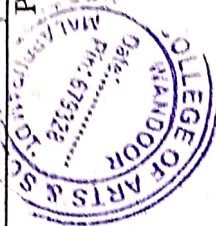
FACULTY

HOD

(Signature)

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