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SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate,Tirupur 638056

SASURIE INSTITUTIONS

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING

SASURIE
COLLEGE OF ENGINEERING
Vijayamangalam, Tiruppur.

Criterion 1	Curricular Aspects	100

1.1 Curricular Planning and Implementation (20)

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

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SASURIE
College of Engineering
Vijayamangalam, Tiruppur

Department : CSE

Subject Code & Name : CS3251 & PROGRAMMING IN C

Semester : II

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19	Question bank	
20	Sample university question papers(min 5 QP-recent exam)	
21	Personal Log book – Updated	
22	Lecture Note	
23	Special Class if any, Approval letter, Schedule, content covered.	

Prepared By		Approved By
Sign:	P. Rath.	
Name:	P. REVATHI	
	Faculty	

HOD

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

SASURIE
College of Engineering
Vijayamangalam, Tirupur.

ACADEMIC YEAR   :2022-2023
YEAR & SEM   : I/II
DEPARTMENT   : Science and Humanities
SUBJECT   : Programming in C / CS3251

Hour	I	II	10.40 To 10.55	III	IV	12.35 To 1.20 PM	V	VI	2.50 To 3.05	VII	VIII
Day / Time	9.00 To 9.50	9.50 To 10.40		10.55 To 11.45	11.45 To 12.35		1.20 To 2.05	2.05 To 2.50		3.05 To 3.50	3.50 To 4.30
MONDAY			BREAK			LUNCH	PROG IN C		BREAK		
TUESDAY											
WEDNESDAY								PROG IN C			
THURSDAY	PROG IN C										
FRIDAY				PROG IN C				PROG IN C			
SATURDAY	PROG IN C							PROG IN C LAB		PROG IN C LAB	

	Prepared by	Verified by	Verified by
Sign	P. Rdh		
Name	P.REVATHI	M.Sathya	Dr.M.Vijayakumar
	Faculty	HOD	Principal

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SASURIE
Collego of Engineering
Vijayamangalam, Tiruppur.

Academic Year – 2022 -2023 EVEN SEMESTER
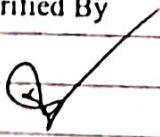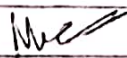
STUDENTS NAME LIST

Department : I CSE   **Year : I**

S.NO	Register Number	Name of the Student	H/D
1	732422104001	Abishek J	Day scholar
2	732422104002	Akileshkumar S	Hostel
3	732422104003	Arun V	Hostel
4	732422104004	Arunkumar A	Day scholar
5	732422104005	Aswin S	Day scholar
6	732422104006	Basharath mahamood S	Day scholar
7	732422104007	Baskar S	Day scholar
8	732422104008	Deepak v	Hostel
9	732422104009	Deepakraj R	Day scholar
10	732422104010	Dharshini R	Day scholar
11	732422104011	Dharun T	Day scholar
12	732422104012	Eswarprabhu S	Day scholar
13	732422104013	Farhath A	Hostel
14	732422104014	Guhan K R	Day scholar
15	732422104015	Guruprasad R	Day scholar
16	732422104016	Harijeeva M	Day scholar
17	732422104017	Harikrishnan B	Day scholar
18	732422104018	Haripriya V	Day scholar
19	732422104019	Irudhaya vishva A	Day scholar
20	732422104020	Jeena D	Day scholar
21	732422104021	Jeeva S	Day scholar
22	732422104022	Jeeva S	Hostel
23	732422104023	Kalaiselvan R	Day scholar

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24	732422104024	Karthika K	Hostel
25	732422104025	Keerthika S	Hostel
26	732422104026	Logeswaran K	Day scholar
27	732422104027	Maheswari T	Day scholar
28	732422104028	Mathavan C	Day scholar
29	732422104030	Mohammed thamimul ansari C J	Day scholar
30	732422104031	Nandhini M R	Day scholar
31	732422104032	Navaneethakrishnan M	Day scholar
32	732422104033	Naveena M	Day scholar
33	732422104034	Naveenkumar V	Day scholar
34	732422104035	Pandi E	Day scholar
35	732422104036	Revathi.P	Hostel
36	732422104037	Sabariyanandhan T	Day scholar
37	732422104038	Saran B	Day scholar
38	732422104039	Saravanan R	Day scholar
39	732422104040	Selvapriya C	Day scholar
40	732422104041	Shanmathi C T	Day scholar
41	732422104042	Sikkanthar bathusha R	Day scholar
42	732422104043	Sriraj S	Day scholar
43	732422104044	Subash M	Day scholar
44	732422104045	Swathi R	Day scholar
45	732422104046	Thirupathi P	Hostel
46	732422104047	Vasanth A	Day scholar
47	732422104048	Vasanthkumar P	Day scholar

	Prepared By	Verified By	Approved By
Sign:	P. Rdb		
Name:	P.REYATHI		
	Faculty	HoD	Principal

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SUBJECT INFORMATION RECORD

Department : CSE

Subject : PROGRAMMING IN C

Year : I

Semester : II

Last year handled by :

Percentage of Result (last year) :

Quality Objectives : TO produce result more than 90% in University Examination

TEXT BOOKS : Reema Thareja "Programming in C" Oxford University Press Second Edition 2016

REFERENCES : Paul deitel & Harvey Deitel "C How to Program with a introduction to C++" Eighth Edision Pearson Education 2018

	Prepared By	Approved By
Sign:	P. Rev.	✓
Name:	P. REVATHI	
	Faculty	HOD

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CS3251   PROGRAMMING IN C   L T P C
                                                                    3 0 0 3

COURSE OBJECTIVES:

- To understand the constructs of C Language.
- To develop C Programs using basic programming constructs
- To develop C programs using arrays and strings
- To develop modular applications in C using functions
- To develop applications in C using pointers and structures
- To do input/output and file handling in C

UNIT I   BASICS OF C PROGRAMMING   9

Introduction to programming paradigms – Applications of C Language - Structure of C program - C programming: Data Types - Constants – Enumeration Constants - Keywords – Operators: Precedence and Associativity - Expressions - Input/Output statements, Assignment statements – Decision making statements - Switch statement - Looping statements – Preprocessor directives - Compilation process.

UNIT II   ARRAYS AND STRINGS   9

Introduction to Arrays: Declaration, Initialization – One dimensional array –Two dimensional arrays - String operations: length, compare, concatenate, copy – Selection sort, linear and binary search.

UNIT III   FUNCTIONS AND POINTERS   9

Modular programming - Function prototype, function definition, function call, Built-in functions (string functions, math functions) – Recursion, Binary Search using recursive functions –Pointers – Pointer operators – Pointer arithmetic – Arrays and pointers – Array of pointers – Parameter passing: Pass by value, Pass by reference.

UNIT IV   STRUCTURES AND UNION   9

Structure - Nested structures – Pointer and Structures – Array of structures – Self referential structures – Dynamic memory allocation - Singly linked list – typedef – Union - Storage classes and Visibility.

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UNIT V   FILE PROCESSING

Files – Types of file processing: Sequential access, Random access – Sequential access file - Random access file - Command line arguments.

COURSE OUTCOMES:

Upon completion of the course, the students will be able to

CO1: Demonstrate knowledge on C Programming constructs

CO2: Develop simple applications in C using basic constructs

CO3: Design and implement applications using arrays and strings

CO4: Develop and implement modular applications in C using functions.

CO5: Develop applications in C using structures and pointers.

CO6: Design applications using sequential and random access file processing.

TOTAL : 45 PERIODS

TEXT BOOKS:

1. ReemaThareja, "Programming in C", Oxford University Press, Second Edition, 2016. 4849

2. Kernighan, B.W and Ritchie,D.M, "The C Programming language", Second Edition, Pearson Education, 2015.

REFERENCES:

1. Paul Deitel and Harvey Deitel, "C How to Program with an Introduction to C++", Eighth edition. Pearson Education, 2018.

2. Yashwant Kanetkar, Let us C, 17th Edition, BPB Publications, 2020.

3. Byron S. Gottfried, "Schaum's Outline of Theory and Problems of Programming with C", McGraw Hill Education, 1996.

4. Pradip Dey, Manas Ghosh, "Computer Fundamentals and Programming in C", Second Edition, Oxford University Press, 2013.

6. Anita Goel and Ajay Mittal, "Computer Fundamentals and Programming in C", 1st Edition, Pearson Education, 2013.

LESSON PLAN

Faculty Name	: P. Revathi		Designation	: Assistant Professor
Department	: CSE		Semester/Year : II	
Subject Code	: CS3251 PROGRAMMING IN C			
Academic Year	: 2023-2024			

S.No	Proposed Date	Period	Details of Topic Covered	I.A	Ref.	Actual Date	Period	HOD Sign
			UNIT - I BASICS OF C PROGRAMMING					
1	4.5.23	1	Introduction to programming paradigms - Applications of C Language	1	1	6.5.23	3	
2	5.5.23	3,6	Structure of C program and its Data Types	1	1	8.5.23	6	
3	6.5.23	1	C compilation and Execution process	1	1	9.5.23	1,2	
4	8.5.23	5	Variables Constants - Enumeration Constants,Delimiters	1	1	18.5.23	3	
5	10.5.23	6	Keywords - Operators-Precedence and Associativity - Expressions	1	1	23.5.23	1,2	
6	11.5.23	1	Input Output statements,Assignment statements	1	1	27.5.23	3	
7	12.5.23	3,6	Decision making statements	1	1	1.6.23	3	
8	13.5.23	1	Switch statement - Looping statements	1	1	1.6.23	3	
9	15.5.23	5	Preprocessor directives - Compilation process	1	1	5.6.23	5,6	
			UNIT-II ARRAYS AND STRINGS					
10	17.5.23	6	Introduction to Arrays:	1	1	8.6.23	3	
11	18.5.23	1	Array Declaration,	1	1	12.6.23	5	
12	19.5.23	3,6	Array Initialization	1	1	12.6.23	5	
13	20.5.23	1	One dimensional array	1	1	14.6.23	4	
14	22.5.23	5	Two dimensional arrays	1	1	14.6.23	4	
15	24.5.23	6	String operations:length,compare	1	1	15.6.23	1	
16	25.5.23	1	String operations:concatenate, copy	1	1	16.6.23	3	
17	26.5.23	3,6	Search Techniques:linear binary search.	1	1	17.6.23	5,6	
18	27.5.23	1	Sorting Method Selection sort, Insertion sort,Bubble sort	1	1	19.6.23	3,4	
			UNIT-III FUNCTIONS AND POINTERS					
19	29.5.23	5	Modular programming - Function prototype	1	1	22.6.23	6	
20	31.5.23	6	function definition, function call,	1	1	23.6.23	3,4	
21	1.6.23	1	Built-in functions (string functions, math functions	1	1	23.6.23	3,4	
22	2.6.23	3,6	Recursion.	1	1	24.6.23	1	
23	3.6.23	1	Binary Search using recursive functions	1	1	24.6.23	1	
24	5.6.23	5	Pointers - Pointer operators	1	1	26.6.23	5,6	
25	7.6.23	6	Pointer arithmetic - Arrays and pointers	1	1	28.6.23	3,4	
26	8.6.23	1	Array of pointers	1	1	28.6.23	3,4	
27	9.6.23	3,6	Parameter passing: Pass by value, Pass by reference.	1	1	31.6.23	5,6	

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			UNIT-IV STRUCTURES AND UNION					
28	10.6.23	1	Structure - Nested structures	1	2	1.7.23	5,6	
29	12.6.23	5	Pointer and Structures	1	2	5.7.23	6	
30	14.6.23	6	Array of structures	1	2	7.7.23	3	
31	15.6.23	1	Self referential structures	1	2	10.7.23	5,8	
32	16.6.23	3.6	Dynamic memory allocation	1	2	12.7.23	6	
33	17.6.23	1	Singly linked list Insertion ,Deletion	1	2	14.7.23	3	
34	19.6.23	5	Doubly Linked List Insertion ,Deletion	1	2	17.7.23	5	
35	21.6.23	6	typedef – Union	1	2	18.7.23	6	
36	22.6.23	1	Storage classes Visibility	1	2	19.7.23	3	
			UNIT-V FILE PROCESSING					
37	23.6.23	3.6	Introduction to Files	1	2	21.7.23	3	
38	26.6.23	1	Types of files	1	2	24.7.23	5	
39	28.6.23	5	Files processing and operations	1	2	26.7.23	6	
40	30.6.23	6	Files and Streams	1	2	28.7.23	3,4	
41	3.7.23	1	Sequential access	1	2	28.7.23	3,4	
42	5.7.23	3.6	Random access	1	2	31.7.23	5,6	
43	6.7.23	1	Sequential access file	1	2	4.8.23	6	
44	7.7.23	5	Random access file	1	2	4.8.23	7	
45	10.7.23	6	Command line arguments	1	2	4.8.23	8	

Reference books (Ref):

1.Pradip Dey, Manas Ghosh, "Computer Fundamentals and Programming in C", Second Edition, Oxford University Press, 2013.

2 Anita Goel and Ajay Mittal, "Computer Fundamentals and Programming in C", 1st Edition, Pearson Education, 2013

Teaching Aids (TA):

1. Black Board with Chalk

2 Overhead Projector

3. LCD Projector

	Prepared by	Verified by	Authorized by
Sign	P.P		
Name	P. PEYATHI		
	Faculty	HOD	Principal

RESULT ANALYSIS OF TEST

Subject : Programming in C   Date : 19.6.23

Class : 1

Department : CSE

Semester : II

Exam details & date : Unit Test -I & 17 6·23

Faculty : P. Revathi

Number of students : 47

No. of students attended : 42

No. of students absent : 05

No. of students passed : 14

No. of students failed : 28

Percentage of failures : 66%

RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	11	17	13	1	—

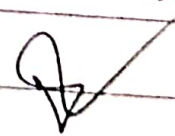|	Prepared By	Approved By
Sign:	P. R##	
Name:	P. Revathi	
	Faculty	HOD

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RESULT ANALYSIS OF TEST

Subject : Programming in C   Date : 17.7.2023

Class : I

                      Department : CSE

Semester : II

Exam details & date : Unit Test - II & 15.7.23

Faculty : P. Revathi

Number of students : 47

No. of students attended : 42

No. of students absent : 5

No. of students passed : 29

No. of students failed : 13

Percentage of failures : 30%

RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	4	10	13	14	1

	Prepared By	Approved By
Sign:	P.Rs	
Name:	P. Revathi	
	Faculty	HOD

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Vijayamangalam, Tirupur

RESULT ANALYSIS OF TEST

Subject : Programming in c   Date : 27.7.23

Class : I

Semester : II   Department : CSE

Exam details & date : Unit Test III & 24.7.23

Faculty : P. Revathi

Number of students : 47

No. of students attended : 41

No. of students absent : 5

No. of students passed : 29

No. of students failed : 12

Percentage of failures : 29%

RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	3	16	8	10	4

	Prepared By	Approved By
Sign:	P. R#B	
Name:	P. Revathi	
	Faculty	HOD

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RESULT ANALYSIS OF TEST

Subject   : Programming in c   Date : 4.8.2023

Class   : 1   Department : CSE

Semester   : II

Exam details & date : Unit Test IV & 2.8.23

Faculty   : P. Revathi

Number of students   : 47

No. of students attended   : 42

No. of students absent   : 5

No. of students passed   : 23

No. of students failed   : 18

Percentage of failures   : 42%.

RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students	7	15	15	2	2

	Prepared By	Approved By
Sign:	P. Rdb	✓
Name:	P. Revathi	
	Faculty	HOD

RESULT ANALYSIS OF TEST

Subject : Programming in C Date : 14.8.2023

Class : 1 Department : CSE

Semester . II

Exam details & date : Unit Test V & 9.8.2023

Faculty : P. Raathi

Number of students : 47

No. of students attended : 40

No. of students absent : 7

No. of students passed : 10

No. of students failed : 30

Percentage of failures : 75%.

RESULT DATA:

Marks	0-25	26-50	51-75	76-90	91-100
No. of Students					

	Prepared By	Approved By
Sign:	P. Rath	
Name:	P Revathi	
	Faculty	HOD

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College of Engineering
Vijayamangalam, Tirupur.

(Accredited by NAAC)

CORRECTIVE ACTION REPORT

DEPT: COMPUTER SCIENCE

YEAR: I

SUBJECT: PROGRAMMING IN C

SEMESTER: II

S.No	Internal Test	Percentage of marks	Root Cause (Metrics)	Corrective Action	Deadline date	Remarks
1	UNIT TEST I	24%	Not concentrating on study	Assignment given to the failure students	with in one week time after marks given	All of them were submitted
2	UNIT TEST II	70%	Not concentrating on study	Assignment given to the failure students	with in one week time after marks given	All of them were submitted
3	UNIT TEST III	71%	Not concentrating on study	Assignment given to the failure students	within one week time after marks given	All of them were submitted
4	UNIT TEST IV	58%	Not concentrating on study	Assignment given to the failure students	with in one week time after marks given	All of them were submitted
5	UNIT TEST V	25%	Not concentrating on study	Assignment given to the failure students	with in one week time after marks given	All of them were submitted

Prepared by	Verified by
P. Rtha P. REVATHI	
FACULTY	HOD

WEBPORTAL ENTRY - I

ACADEMIC YEAR	: 2022-2023
YEAR & SEM	: I/II
DEPARTMENT	: I CSE
SUBJECT CODE & NAME	: CS3251 & PROGARMMING IN C
NAME OF THE FACULTY	: P.REVATHI

S No	Reg No	Name	TOTAL NO OF HRS	ATTEN DED HR:	ST-1 (25)	ST-2 (25)	ST-3 (25)	ST-4 (50)	ST (50)	ST (30)	UNIT TEST-I (50)	UT (30)	TOTAL (60)	ASSIGNMEN T -I (20)	ASSIGNME NT -II (20)	ASSIGNMENT MARKS (I & II) (40)	TOTAL MARKS (100)
1	732422104001	Abishek J	30	25	3	ab	ab	ab	3	2	25	15	17	20	15	35	60
2	732422104002	Akıleshkumar S	30	28	6	12	9	16	29	17	42	25	42	20	25	45	87
3	732422104003	Arun V	30	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	45	45
4	732422104004	Arunkumar A	30	28	5	AB	7	8	15	9	20	12	21	0	20	20	41
5	732422104005	Aswin S	30	25	AB	12	8	8	20	12	27	16	28	20	20	40	68
6	732422104006	Basharath mahamood S	30	27	6	5	8	7	15	9	35	21	30	20	19	39	69
7	732422104007	Baskar S	30	29	8	7	10	10	20	12	39	23	35	20	20	40	75
8	732422104008	Deepak v	30	27	0	2	5	1	6	4	17	10	14	0	20	20	34
9	732422104009	Deepakraj R	30	25	5	7	AB	6	13	8	30	18	26	19	20	39	65
10	732422104010	Dharshini R	30	24	15	17	19	AB	36	22	48	29	51	20	20	40	91
11	732422104011	Dharun T	30	27	11	7	10	10	21	13	27	16	29	20	20	40	69
12	732422104012	Eswarprabhu S	30	20	10	2	9	6	19	11	13	8	19	0	20	20	39
13	732422104013	Farhath A	30	28	2	10	5	AB	15	9	39	23	32	20	19	39	71
14	732422104014	Guhan K R	30	25	3	AB	4	5	9	5	29	17	22	20	19	39	61
15	732422104015	Guruprasad R	30	20	3	4	6	5	11	6	36	22	28	0	19	19	47
16	732422104016	Harijeeva M	30	28	2	4	13	12	25	15	25	15	30	20	20	40	70
17	732422104017	Harıkrishnan B	30	29	12	13	18	24	42	25	41	25	50	20	20	40	90
18	732422104018	Haripriya V	30	28	13	10	13	18	31	19	42	25	44	20	20	40	84
19	732422104019	Hrudhaya vishva A	30	28	10	12	AB	19	31	19	43	26	45	20	20	40	85
20	732422104020	Jeena D	30	27	8	12	7	18	30	18	35	21	39	20	20	40	79
21	732422104021	Jeeva S	30	20	2	2	0	AB	4	2	AB	AB	2	0	0	0	2
22	732422104022	Jeeva S	30	28	11	8	14	18	32	19	35	21	40	20	20	40	80

23	732422104023	Kabiselvan R	30	27	4	5	13	18	31	19	38	23	42	20	20	40	82
24	732422104024	Karthika K	30	26	8	10	20	18	38	22	43	26	48	20	20	40	88
25	732422104025	Keerthika S	30	20	AB	AB	20	18	38	22	44	26	48	18	20	38	86
26	732422104026	Logeswaran K	30	10	AB	2	AB	AB	2	1	AB	AB	2	17	17	34	36
27	732422104027	Maheswari T	30	25	AB	7	9	10	19	11	45	27	38	20	20	40	78
28	732422104028	Mathavan C	30	27	11	AB	11	20	31	18	45	27	45	20	20	40	85
29	732422104030	Mohammed thamimul ansari C J	30	27	AB	12	18	18	36	22	41	25	47	20	20	40	87
30	732422104031	Nandhini M R	30	28	16	11	18	11	29	17	36	22	39	20	20	40	79
31	732422104032	Navaneethakrishnan M	30	25	5	AB	5	9	14	8	31	19	27	17	20	37	66
32	732422104033	Naveena M	30	27	AB	12	10	18	30	18	30	18	36	20	20	40	76
33	732422104034	Naveenkumar V	30	28	3	10	18	15	33	20	30	18	38	17	20	39	77
34	732422104035	Pandi F	30	25	3	5	10	8	18	11	34	20	31	19	20	39	70
35	732422104036	Revathi P	30	28	14	22	18	AB	40	24	44	26	50	20	20	40	90
36	732422104037	Sabarivanandhan T	30	26	4	AB	5	14	19	11	30	18	29	20	20	40	69
37	732422104038	Saran B	30	27	12	10	22	21	43	25	40	24	49	20	20	40	89
38	732422104039	Saravanan R	30	25	3	AB	4	9	13	8	26	16	24	20	20	40	64
39	732422104040	Selvapriya C	30	30	16	18	23	20	43	26	44	26	52	20	20	40	92
40	732422104041	Shanmathi C T	30	28	AB	13	18	14	32	19	35	21	40	20	20	40	80
41	732422104042	Sikkanthar bathusha R	30	28	4	4	AB	8	12	7	19	11	15	18	19	37	64
42	732422104043	Sriraj S	30	25	6	5	9	11	20	12	16	10	22	18	19	37	69
43	732422104044	Subash M	30	25	5	8	10	12	32	19	35	21	40	20	20	40	88
44	732422104045	Swathi R	30	27	5	10	10	18	38	23	35	21	44	20	20	40	84
45	732422104046	Thirupathi P	30	26	2	0	9	9	11	7	36	22	29	17	20	37	66
46	732422104047	Vasanth A	30	25	10	AB	AB	AB	10	6	19	11	17	10	18	28	55
47	732422104048	Vasanthkumar P	30	25	2	2	6	2	8	5	28	17	22	18	19	37	59

	Prepared by	Verified by 22/07/2022	Verified by
Sign	P. R.		
Name	P.REVATHI	M.Sathya	Dr.M.Vijayakumar
	Faculty	HOD	Principal

SASURIE
College of Engineering
Vijayamangalam, Tiruppur.

INTERNAL ASSESMENT - II			Date/Session	15.07.2023/FN	Marks		50
Course code	CS3251	Course Title	PROGRAMMING IN C				
Regulation	2021	Duration	1.5 Hours	Academic Year		2022-2023	
Year	I	Semester	II	Department		CSE	

COURSE OUTCOMES

CO1:	Demonstrate knowledge on C Programming constructs
CO2:	Develop simple applications in C using basic constructs .
)3:	Design and implement applications using arrays and strings
CO4:	Develop and implement modular applications in C using functions.
CO5:	Develop applications in C using structures and pointers.

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions10 x 2 = 20 Marks)**		
1	Define an Array? Give example.	CO2	R
2	List any four features of Array?	CO2	U
3	How to define an One dimensional array declaration?	CO2	R
4	Array Initialization syntax for compile time and run time?	CO2	U
5	Write any two functions used for string operations.	CO2	U
6	What is sorting and searching?	CO2	U
7	Give short note on bubble sort?	CO2	R
8	Write a program to concatenate two strings.	CO2	R
9	Given an example program for strlwr() function.	CO2	R
10	How to passing an arrays to functions?	CO2	U

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PART B
(Answer all the Questions 2 x 15 = 30 Marks)

11a	Explain in detail about Two dimensional Array?	CO2	E
	OR		
11b	Give an example in array elements using 3 types of sorting method.	CO2	E
12a	Explain in detail about string handling functions used in c language?	CO2	C
	OR		
12b	Discuss in detail about searching techniques.	CO2	U

P. Devi
14/7/2023
Course Faculty

(Name/Sign/Date)

[P. REVATHI]

M. Sathya
14/7/2023
HoD

(Name/Sign/Date)

[M. Sathya]

Principal

(Name/Sign/Date)

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Vijayamangalam - 638 056, Tirupur (Dt).

Internal Assessment Test Answer Book

Name	R. Dharshini		Year/ Semester/Section	I/II/A
Register Number	732422104010	Date/Session	15/07/23/FN Department	CSE
Course code	CS3251	Course Title	Programming in c	
Internal Assessment Test		IAT 1 ☐	IAT 2 ☑ IAT 3 ☐	Model ☐
Name and Signature of the Invigilator with date		S. D̄ 15/7/23 [S. Divya]		

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B/ Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1	✓	02	11			✓	14	14
2	✓	02	12	✓	13			13
3	✓	02	13					
4	✓	02	14					
5	✓	02	15					
6	✓	02	16					
7	✓	02					Grand Total	27
8	✓	02						
9	✓	02						
10	✓	01		46/50				
Total		19	Grand Total			P.R̄h. P. Revathi 7/7/2023 Name and Signature of the Examiner with date		

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	–	50	–	–	–	–	50
Marks Obtained	–	46	–	–	–	–	46

IQAC Audit - Remarks

Marks verified.

Name and Signature of the IQAC member

S. Rabuwsan

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Assignment Question Paper

Assignment – 03			Date of Issue:	03.05.2023	Marks	10
Course code	CS3251	Course Title	PROGRAMMING IN C			
Year	1	Semester/Section	II / A	Date of Submission:	15.05.2023	

Q.No	Questions	CO
1	Explain in detail about function prototype.	CO3
2	Give notes on parameter passing methods.	CO3

P. 15/5/2023

Name and Signature of the Faculty Incharge

P. Revathi

HoD/S&H 15/5/2023

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SASURIE
College of Engineering
Vijayamangalam, Tirupur

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Assignment Answer Sheet

Name of the Student : P. Revathi

AU Register Number: 732422104086

Assignment – 03			Date of Issue:	03.05.2023	Marks	10
Course code	CS3251	Course Title	PROGRAMMING IN C			
Year	1	Semester/Section	11 / A	Date of Submission:	15.05.2023	

Q.No	Questions	CO
1	Explain in detail about function prototype.	CO3
2	Give notes on parameter passing methods.	CO3

Mark Allocation

Rubrics	Marks Allocated	Marks obtained
Content Quality	6	6
Presentation Quality	2	2
Timely submission	2	2
Total marks	10	10

Name and Signature of the Faculty Incharge

P. REVATHI

HoD/S&H

[M. Sathya]

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