

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course File

BPOPS103 PRINCIPLES OF PROGRAMMING USING C

I Sem **A** 2023-24

Faculty In-charge AMBUJA K

Assistant Professor

Dept. of Computer science and Engineering

K S School of Engineering & Management, Bangalore



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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K. S. SCHOOL OF ENGINEERING AND MANAGEMENT



To impart quality education in engineering and management to meet technological, business and societal needs through holistic education and research



K.S. School of Engineering and Management shall,

- Establish state-of-art infrastructure to facilitate effective dissemination of technical and Managerial knowledge.
- Provide comprehensive educational experience through a combination of curricular and Experiential learning, strengthened by industry-institute-interaction.
- Pursuesocially relevant research and disseminate knowledge.
- Inculcate leadership skills and foster entrepreneurial spirit among students.

Department of Computer Science and Engineering



To produce quality Computer Science professional, possessing excellent technical knowledge, skills, personality through education and research.



Department of Computer Science and Engineering shall,

- Provide good infrastructure and facilitate learning to become competent engineers who meet global challenges.
- Encourages industry institute interaction to give an edge to the students.
- Facilitates experimental learning through interdisciplinary projects.
- Strengthen soft skill to address global challenges.

Course Code: BPOPS103/203 Integrated	language to solve the real-world ike arrays, structures and pointers in ems using structured programming
Course Type (Theory/Practical /Integrated) Teaching Hours/Week (L:T:P: S) Total Hours of Pedagogy CourseObjectives: CLO 1. Elucidate the basic architecture and funct CLO 2. Apply programming constructs of C problems CLO 3.Explore user-defined data structures li implementing solutions to problems CLO 4. Design and Develop Solutions to proble	Total Marks100 Exam Hours 3+2 Credits 03 tionalities of a Computer language to solve the real-world like arrays, structures and pointers in ems using structured programming
Teaching Hours/Week (L:T:P: S) Total Hours of Pedagogy CourseObjectives: CLO 1. Elucidate the basic architecture and funct CLO 2. Apply programming constructs of C problems CLO 3.Explore user-defined data structures is implementing solutions to problems CLO 4. Design and Develop Solutions to problems	Exam Hours 3+2 Credits 03 tionalities of a Computer language to solve the real-world like arrays, structures and pointers in ems using structured programming
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CLO 1. Elucidate the basic architecture and functor CLO 2. Apply programming constructs of C problems CLO 3.Explore user-defined data structures limplementing solutions to problems CLO 4. Design and Develop Solutions to problems	tionalities of a Computer language to solve the real-world like arrays, structures and pointers in ems using structured programming
CLO 1. Elucidate the basic architecture and functor CLO 2. Apply programming constructs of C problems CLO 3.Explore user-defined data structures in implementing solutions to problems CLO 4. Design and Develop Solutions to problems	language to solve the real-world ike arrays, structures and pointers in ems using structured programming
Teaching-LearningProcess(GeneralInstruction ThesearesampleStrategies, whichteachers can use to outcomes. 1. Lecturer method (L) need not to be only to alternative effective teaching methods could 2. Use of Video/Animation to explain function i 3. Encourage collaborative (Group Learning) Learning) Learning Learning Askatleast three HOT (Higher order Thinking tical thinking. 5. Adopt Problem Based Learning (PBL), which pr	acceleratetheattainmentofthevariouscours raditional lecture method, but libeadoptedtoattaintheoutcomes. Ingofvariousconcepts. Idearningintheclass. Ig)questionsintheclass, whichpromotescri Infostersstudents' Analyticalskills, develo Infostersstudents' Analyticalskills, develo It it. Is. Indearningintheclass It is is. Indearningintheclass It is is is is in a C program It is is in a C program

	Module-2 (6 Hours of Pedagogy)
Operators in 0	C, Type conversion and typecasting.
Decision con branching sta goto statemen	trol and Looping statements: Introduction to decision control, Conditional tements, iterative statements, nested loops, break and continue statements.
Textbook: C	hapter 9.15-9.16, 10.1-10.6
Teaching-LearningProcess	Chalkandtalkmethod/PowerPointPresentation
	Module-3 (8 Hours of Pedagogy)
unctions: Introduction using	Module-3 (8 Hours of Pedagogy) functions, Function definition function dealerstion function

Functions: Introduction using functions, Function definition, function declaration, function call, return statement, passing parameters to functions, scope of variables, storage classes, recursive functions. Arrays: Declaration of arrays, accessing the elements of an array, storing values in arrays, Operations on arrays, Passing arrays to functions, two dimensional arrays, operations on two-dimensional arrays, two-dimensional arrays to functions, multidimensional arrays, applications of arrays.

Textbook: Chapter 11.1-11.10, 12.1-12.10,12.12

Teaching-LearningProcess Chalkandtalkmethod/PowerPointPresentation

Module-4 (6 Hours of Pedagogy)

Strings and Pointers: Introduction, string taxonomy, operations on strings, Miscellaneous string and character functions, arrays of strings. Pointers: Introduction to pointers, declaring pointer variables, Types of pointers, Passing arguments to functions using pointers

Textbook: Chapter 13.1-13.6, 14-14.7

Teaching-LearningProcess Chalkandtalkmethod/PowerPointPresentation

Module-5 (6 Hours of Pedagogy)

Structure, Union, and Enumerated Data Type: Introduction, structures and functions, Unions, unions inside structures, Enumerated data type.

Files: Introduction to files, using files in C, reading and writing data files., Detecting end of file

Textbook: Chapter 15.1 - 15.10, 16.1-16.5

Teaching-LearningProcess Chalkandtalkmethod/PowerPointPresentation

CourseOutcomes(CourseSkillSet)

Attheendofthecoursethestudentwillbeableto:

- CO1. Elucidate the basic architecture and functionalities of a computer and also recognize the hardware parts.
- CO 2. Apply programming constructs of C language to solve the real world problem
- CO 3.Explore user-defined data structures like arrays in implementing solutions to problems like searching and sorting
- ${\rm CO}$ 4. Explore user-defined data structures like structures, unions and pointers in implementing solutions

CO5.Design and Develop Solutions to problems using modular programming constructs using functions

Programming Assignments

- 1 Simulation of a SimpleCalculator.
- 2 Compute the roots of a quadratic equation by accepting the coefficients. Print appropriate messages.
- 3 An electricity board charges the following rates for the use of electricity: for the first 200 units 80 paise per unit: for the next 100 units 90 paise per unit: beyond 300 units Rs 1 per unit. All users are charged a minimum of Rs. 100 as meter charge. If the total amount is more than Rs 400, then an additional surcharge of 15% of total amount is charged. Write a program to read the name of the user, number of units consumed and print out the charges.
- 4. Write a C Program to display the following by reading the number of rows as input,

nth row

- 5 Implement Binary Search on Integers.
- 6 Implement Matrix multiplication and validate the rules of multiplication.
- 7 Compute $\sin(x)/\cos(x)$ using Taylor series approximation. Compare your result with the built-in library function. Print both the results with appropriate inferences.
- 8 Sort the given set of N numbers using Bubble sort.
- 9 Write functions to implement string operations such as compare, concatenate, and find string length. Use the parameter passing techniques.
- 10 Implement structures to read, write and compute average- marks of the students, list the students scoring above and below the average marks for a class of N students.
- 11 Develop a program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of N real numbers.
- 12. Write a C program to copy a text file to another, read both the input file name and target file name.

Note

SEE marks for the practical course is 50 Marks.

continuous evaluation of the laboratory report. Each experiment report can be evaluated for 10 marks. Marks of all experiments' write-ups are added and scaled down to 15 marks.

• The laboratory test (duration 03 hours) at the end of the 15th week of the semester /after completion of all the experiments (whichever is early) shall be conducted for 50 marks and scaled down to 05 marks.

Scaled-down marks of write-up evaluations and tests added will be CIE marks for the laboratory component of IC/IPCC for 20 marks.

• The minimum marks to be secured in CIE to appear for SEE shall be 12 (40% of maximum marks) in the theory component and 08 (40% of maximum marks) in the practical component. The laboratory component of the IC/IPCC shall be for CIE only. However, in SEE, the questions from the laboratory component shall be included. The maximum of 05 questions is to be set from the practical component of IC/IPCC, the total marks of all questions should not be more than 25 marks.

The theory component of the IC shall be for both CIE and SEE.

Semester End Examination:

Theory SEE will be conducted by University as per the scheduled timetable, with common question papers for the subject (duration 03 hours)

- 1. The question paper will have ten questions. Each question is set for 20 marks. Marks scored shall be proportionally reduced to 50 marks.
- 2. There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module.
- 3. The students have to answer 5 full questions, selecting one full question from each module

Suggested Learning Resources:

Textbooks

 Computer fundamentals and programming in c, "Reema Thareja", Oxford University, Second edition, 2017.

Reference Books:

- 1. E. Balaguruswamy, Programming in ANSI C, 7th Edition, Tata McGraw-Hill.
- 2. Brian W. Kernighan and Dennis M. Ritchie, The 'C' Programming Language, Prentice Hall of India.

Web links and Video Lectures (e-Resources):

- 1. elearning.vtu.ac.in/econtent/courses/video/BS/15PCD23.html
- 2. https://nptel.ac.in/courses/106/105/106105171/ MOOC courses can be adopted for more clarity in understanding the topics and verities of problem solving methods.

SEE shall be conducted jointly by the two examiners of the same institute, examiners are appointed by the University

All laboratory experiments are to be included for practical examination.

(Rubrics) Breakup of marks and the instructions printed on the cover page of the answer script to be strictly adhered to by the examiners. OR based on the course requirement evaluation rubrics shall be decided jointly by examiners.

Students can pick one question (experiment) from the questions lot prepared by the internal /external examiners jointly.

Evaluation of test write-up/ conduction procedure and result/viva will be conducted jointly by examiners.

General rubrics suggested for SEE are mentioned here, writeup-20%, Conduction procedure and result in -60%, Viva-voce 20% of maximum marks. SEE for practical shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks (however, based on course type, rubrics shall be decided by the examiners)

Students can pick one experiment from the questions lot with equal choice to all the students in a batch. Student should develop an algorithm, program, execute and demonstrate the results with appropriate output for the given problem.

Change of experiment is allowed only once and 15% Marks allotted to the procedure part to be made zero.

The duration of SEE is 02 hours

Assessment Details (both CIE and SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 40% of the maximum marks (20 marks out of 50). The minimum passing mark for the SEE is 35% of the maximum marks (18 marks out of 50). A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course if the student secures not less than 35% (18 Marks out of 50) in the semester-end examination(SEE), and a minimum of 40% (40 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

Continuous Internal Evaluation(CIE):

The CIE marks for the theory component of the IC shall be 30 marks and for the laboratory component 20 Marks.

CIE for the theory component of the IC

- Three Tests each of 20 Marks; after the completion of the syllabus of 35-40%, 65-70%, and 90-100% respectively.
- Two Assignments/two quizzes/ seminars/one field survey and report presentation/onecourse project totaling 20 marks.

Total Marks scored (test + assignments) out of 80 shall be scaled down to 30 marks

CIE for the practical component of the IC

- On completion of every experiment/program in the laboratory, the students shall be
 evaluated and marks shall be awarded on the same day. The 15 marks are for conducting
 the experiment and preparation of the laboratory record, the other 05 marks shall be for
 the test conducted at the end of the semester.
- The CIE marks awarded in the case of the Practical component shall be based on the

3. https://tinyurl.com/4xmrexi	re		
Activity Based Learning (Suggest	ted Activities in Class).	/ Practical Based learning	
 Quizzes 			
 Assignments 			
Seminars			



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU-560109

CALENDAR OF EVENTS: 1 ODD SEMESTER (2023-2024) SESSION: SEP 2023 TO JAN 2024

eek	Month	Mon	Tue	Day	Thu	Fri	Sat	Days	Activities
No.				Wed					4th-12th Sep 2023
1	SEP	4 *	5	6	- 7	8	9	6	First sem Induction program J7:J24
2	SEP	11**	12	13*	14	15	16DH	5	11**-Inaugural function 13*-Commencement of I sem regular classes
3	SEP	18H	19	20	21	22	23	5	18-Varasiddhi Vinayaka Vrata 23-Monday Time Table
4	SEP	25	26	27	28H	29	30	5	28-Eid-Milad 30-Thursday Time Table
5	OCT	211	3	4	5	6	7DH	4	2-Gandhi Jayanthi
6	001	9	10	11	12	13	14 H	5	14- Mahalaya Amayasya
7	ОСТ	16	17	18	19	20	21DH	5	
8	OC1	23Н	24H	25	26	27	28H	4	23-Mahanavami, Ayudhapooja 24- Vijayadasami 28 - Maharshi Valmiki Jayanti
9	OCTNOV	30	31	1H	2	,3 TA	4DH	4	1-Kannada Rajyothsava
10	NOV	6 T1	7 T1	8 T1	9	10	11	6	11-Wednesday Time Table T1-06,07,08-1st Internal Test
11	NOV	13	14H	15 BV	16 ASD	17	18DH	4	14-Balipadyami, Deepavali
12	NOV	20	21	22	23	24	25	6	25- Wednesday Time Table
13	NOV/DEC	27	28	29	30H	1	2DH	-4	30- Kanakadasa Jayanti
14	DEC	4 T2	5 T2	6 T2	7 SSTP	8 SSTP	9 SSTP	6	T2-04,05,06-2nd Internal Test 7th-11th Softskill Training Program
15	DEC	11 SSTP	12	13	14	15	16DH	5	
16	DEC	18	19	20	21	22	23 TA	6	23- Monday Time Table
17_	DEC	25 H	26	27	28	29	30	5	25- Christmas
18	JAN	1 T3	2 T3	3 T3	4 LT	5 LT	6LT	6	T3-01,02,03-3rd Internal Test LT- 04,05,06 - Lab Test 6 - Last Working day

Total Number of working days (Excluding holidays and Tests)=79

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ial Display
Program

Monday	14
Tuesday	16
Wednesday	17
Thursday	16
Friday	18
Saturday	10
Total	91

Dr. C. VASUDEV

Professor & HOD
Department of Applied Science
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1<. Rano) 25/10/2

Dr. K. RAMA NARASIMHA
Principal/Director
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Bengaluru - 560 109



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SESSION: 2023-2024(ODD SEMESTER)

(w. e. f 15/9/2023)

INDIVIDUAL TIME TABLE

Class: I A &B			1	—		Faculty	Name: Ms. Am	buja K	
DAY	8.40-9.35	9.35-10.30	10.30 -10.45	10.45 -11.40	11.40-12.35	12.35-1.20	1.20 -2.10	2.10-3.00	3.00-3.50
MONDAY	IOT (I B)		TEA						
TUESDAY	POP (I A)		BREAK		POP (I A)		F	OP Lab Batch B	
WEDNESDAY	POP Lab Batch A2					LUNCH BREAK	POP (I A)		IOT (IB)
THURSDAY		POP (I A)	TEA BREAK	DVP Lab B	atch - B2		POP Lab Batch A1		
FRIDAY		POP	Lab Batch B2				IOT (I B)		IOT (IB)
SATURDAY				AS PER	CALENDAR (OF EVENTS			
CODE		S	UBJECT		Hours /Week				
BPOPS103	Principles of	Programming	Using C		4				
BETCK105H	Introduction to Internet of Things				4		Ms.	Ambuja K	

Project Work Phase -1

Principles of Programming Using C Laboratory

BPOPS103

18CSP77

Head of the Department

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Department of Computer Science Engineering
K.S School of Engineering & Management Bandalore-560109

Principal/Director K S School of Engineering and Managemer Bengaluru - 560 109

<u>Q</u>	K. S. SCHOOL OF ENGINEERING & M			2023-24
Semester- I	Physics group , With effect from 13.0	19.2023		No. A 104
Section: A	Branch: CSE		Class	1
SI.No.	Student Name	Mentors	Teacher	Lab Batche
Al	A YASHWITHA			
A2	ADITYA H			
A3 A4	AJITH KUMAR AKASH S			
A5	AKHIL GOUTHAM K			
A6	AMAR			
A7	AMRUTHA K ANKITHA P			
A8 A9	ASHWINI N R			
A10	BHARATH KUMAR S C			
All	BHASKAR S			
A12 A13	CHALLA BALAJI NAIDU			
A14	D JAYA KRISHNA			-
A15	DEEKSHA N			=
A16 A17	DEEKSHITHA K DHEERAJ R			ватсн.
A18	DIVIT V			B.A
A19	DYUTHI S *	•		
A20	G DAEWOO SRI PRASAD			
A21	GABBURI NARASANNA PALLAVI			
A22	GADDAMADUGU DINAVYA			
A23	GANNI NAVEEN RAJ ANUDEEP			
A24	H VISHNU			
A25	HARI NARAYANA S		Mr. Sumantha H S	
A26	IMPANA P INCHARA S			
A27 A28	JANHAVI SUDHAKAR THORAT			
A29	JHANAVI C			
A30	K BINDU			
A31 A32	K DHEERAJ CHOWDARY K P NIHAAL	**		
A33	K YESHWANTH CHOWDARY		Su	
A34	KAMBHAMPATI VEDAVYAS		Mr.	
A35	KARANAM VENNELA			
A36	KOTHA HARSHA NANDHAN KUSHAL K R			
A37 A38	LAKSHMI B			
A39	LALITH ADITHYA M			
A40	M NEVARUTH SAI			
A41 A42	CHAITHANYA C GOWDA ADITYA P MASABINAL			
A43	MEGHA			
A44	KIRANS			
A45	ANUSHA M N			
A46	SHASHIDHARA S C			BATCH - 2
A47 A48	MANIYA B M HARSHITHA S			2
A48 A49	CHAITHANYA R			BAT
A50	RISHMITHA K B			
A51	S AKSHATIIA D YASHAWANTII			
A52	CHITRA U		Page 1	
A53 A54	LISHANTH N			
A55	M HARSHITH PRAMOD			
A56	ISMATH ZEHERA			
A57	MALLIKARJUNA BIRADAR			
A58	MANOJ KUMAR C C YUVARAJ			
A59	SOURABH GOUD ALLOLLI			
A60	K G SOUMYA			10 0000
A61	DARSHAN GOWDA (IKG21CS025)	The second secon		
A62	DARSHAN GOWDA (IRG21C3023)			Clisi

Professor & HOD
Department of Applied Science
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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SESSION: 2023-2024 (ODD SEMESTER)

LESSON PLAN

NAME OF THE STAFF

: Ms. Ambuja K

SUBJECT CODE/TITLE

:BPOPS103 /PRINCIPLES OF PROGRAMMING USING C

SEMESTER/ SEC/ YEAR

:I/B/IYear

SI. No	Topic to be covered	Mode of Delivery	Teaching Aid	No. of Periods	Cumulative No. of Periods	Proposed Date	Delivery Date
AIL		MODULI	E 1		Marie Company		
1	Introduction: Introduction to computers, History and classification of computers	L+D	BB	1	1	13/9/2023	13/9/23
2	Application of computers and Motherboard	L+ D	BB	1,	2	14/9/2023	14/9/23
3	Input and Output devices	L+ D	BB	1	3	19/9/2023	15/9/23
4	Designing efficient programs	L+D	BB	1	4	19/9/2023	19/9/23
5	Introduction to C, Structure of C program	L+ D	BB	1	5	20/9/2023	2019123
6	Files used in a C program, Compilers, Compiling and executing C programs	L+D	BB	1	6	21/9/2023	2119123
7	variables, constants	L+ D	BB	1	7	26/9/2023	22/9/23
8	Input/output statements in C,	L+ D	BB	1	8	26/9/2023	27/9/23
9	Practical: Inside the computer Lab session	Practical	D	3	3	13/9/2023 14/9/2023	13/9/23

					BALL R. N.	27/9/2023	
10	Tutorial	L+D	BB	3	- 11	3/10/2023	_
						3/10/2023	
			MODULE 2				
11	Operators in C- Arithmetic, Relational, Equality, Logical, Unary, Conditional Operators	L+D	BB	1	9	4/10/2023	30/9/23
12	Bitwise, Assignment, Comma operator, sizeof operator, Operator precedence	L+ D	BB	1	10	5/10/2023	3/10/23
13	Type conversion and typecasting	L+D	BB	1	11	10/10/2023	4/10/23
14	Decision control: Introduction to decision control, Conditional branching statements- if statement, if-else statement	L+D	ВВ	1	12	10/10/2023	5/10/23
15	branching statements –if-else-if and switch statements	L+D	BB	1	13	11/10/2023	6/10/23
16	Looping statements: Introduction to iterative statements-while, do-while and for loop.	L+D	ВВ	1	14	12/10/2023	10/10/23
17	Nested loops, break statements	L+D	BB	1	15	17/10/2023	10/10/23
18	Continue statements, goto statement	L+ D	BB	1	16	17/10/2023	11/10/23
19	Practical: 1.Simulation of a Simple Calculator. 2. Compute the roots of a quadratic equation by accepting the coefficients. Print appropriate messages. Generate electricity bill Write a program to read the name of the user, number of units consumed and print out the charges.	Practical	D	6	9	20/10/2023 21/10/2023 27/10/2023 5/11/023	21/9/23 30/9/23 20/9/23 20/9/23
20	Tutorial	L+D	BB	2	-	18/10/2023 19/10/2023	-
	H PISH		MODULE 3				
21	Functions: Introduction using functions, Function definition, function declaration, function call, return	L+D	ВВ	1	17	25/10/2023	17/10/23

	statement						
22	Passing parameters to functions	L+ D	BB	1	18	26/10/2023	17/10/23
23	Scope of variables, storage classes	L+ D	BB	1	19	31/10/2023	25/10/23
24	Recursive functions- GCD, Finding Exponents, Fibonacci series	L+D	ВВ	The state of the s	20	31/10/2023	26/10/23
25	Arrays: Declaration of arrays, accessing the elements of an array, storing values in arrays	L+ D	BB	1	21	2/11/2023	31/10/23
26	Operations on arrays - Traversing, Insertion, deletion, Merging, Searching, Passing arrays to functions	L+D	BB	1	22	9/11/2023	2/11/23
27	Two dimensional arrays, operations on two-dimensional arrays, two dimensional arrays to functions	L+ D	BB	1	23	11/11/2023	9/11/23
28	Multidimensional arrays, applications of arrays	L+ D	BB	1	24	15/11/2023	11/11/23
	Practical: 1. Write a C Program to display the number				Calculation	4/11/2023	5/10/23
29	pattern by reading the number of rows as input.	Search on Integers. Practical D	6	15	11/11/2023	12/10/23	
29	2. Implement Binary Search on Integers.3. Implement Matrix multiplication and validate the rules		D	0	13	12/11/2023	19/10/23
	of multiplication.	872-9	441	troitaini		18/11/2023	11/10/23
30			BB	2	Septimates.	16/11/2023	10122,(3)
30	Tutorial	L+D		2	of the West of	21/11/2023	30/11/23
			MODULE 4				res abuse
31	Strings: Introduction to strings, string taxonomy.	L+D	BB+LCD	1	25	22/11/2023	16/11/23
32	Operations on strings – string length, string case, Concatenation, appending, comparing, and Reversing a string.	L+ D	BB+LCD	1	26	23/11/2023	21/11/23
33	Extracting a substring, Inserting, Indexing, Deleting a string, Replacing a pattern	L+ D	BB+LCD	1	27	25/11/2023	22/11/23
34	Miscellaneous string and character functions: Character manipulation functions, String Manipulation functions, arrays of strings	L+D	BB+LCD	1	28	28/11/2023	22/11/23

35	Pointers: Introduction to pointers, declaring pointer variables	L+ D	BB+LCD	1	29	28/11/2023	23/11/23
36	Types of pointers, Passing arguments to functions using pointers	L+D	BB+LCD	1	30	29/11/2023	25/11/23
39	 Practical: 1. Compute sin(x)/cos(x) using Taylor series approximation. Compare your result with the built-in library function. 2. Sort the given set of N numbers using Bubble sort. 3. Write functions to implement string operations such as compare, concatenate, and find string length. Use the Parameter passing techniques. 	Practical	D	6	21	19/11/2023 25/11/2023 26/11/2023 15/12/2023	26/10/23 2/11/23 9/11/23 25/10/23 11/11/23
40	Tutorial	L+D	BB	2	end Konggorez endezhañt e kige	12/12/2023 13/12/2023	27/11/23
1.4.4		MODULE	5				
41	Structure, Introduction, structure Declaration, Initialization, accessing the members,	L+D	BB+LCD	1	33	14/12/2023	28/11/23
42	Copying and comparing structures, Nested structures, Self-referential structures and structures and functions	L+ D	BB+LCD	1	34	19/12/2023	29/11/23
43	Union: Declaring, Initializing, Accessing a members of unions, arrays of unions, union inside structure, structure inside union	L+ D	BB+LCD	1	35	19/12/2023	12/12/23
44	Enumerated Data Type: enum variables, using typedef keyword, Enumeration type conversion, I/O operations	L+D	BB+LCD	1	36	20/12/2023	12/12/23
45	Files: Introduction to files, Using Files in C,	L+ D	BB+LCD	1	37	21/12/2023	13/12/23
46	Reading data from files, Writing data to files, Detecting End-of-File	L+D	BB+LCD	1	38	26/12/2023	14/12/23
49	Practical: 1. Implement structures to read, write and compute average- marks of the students, list the students scoring above and below the average marks for a class of	Practical	D	6	27	2/12/2023	16/11/23 14/12/23 21/12/23

	N students. 2. Develop a program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of N real numbers. 3. Write a C program to copy a text file to another, read both the input file name and target file name.					9/12/2023 15/12/2023 16/12/2023	15/11/23 13/12/23 20/12/23
50	Tutorial	L+D	BB	1		26/12/2023	15/12/23
	Revision	L+D	ВВ	2	-	27/12/2023 28/12/2023	20/12/23 20/12/23 21/12/23

	Week	Remarks
Assignment 1	4 th Week - 16/10/2023	Mode of Assignment – Written Assignment
Assignment 2	6 th Week- 20/11/2023	

Total No. of Lecture Hours = 40

Total No. of Tutorial Hours =10

Total No. of Practical Hours = 20

Course In charge

Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

IQAC Coordinator

Principal

Dr. K. RAMA NARASIMHA

Principal/Director K S School of Engineering and Management

Bengaluru - 560 109



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SESSION: 2023-2024 (ODD SEMESTER)

FIRST ASSIGNMENT

Degree

B.E

Semester: I

Branch

CSE/ AI & DS Principles of Programming using C Course Code: BPOPS103 Max Marks: 25

Course Title Date

16/10/2023

Last Date for submission: 25/10/2023

Q No.	Question	Marks	K- Level	CO mapping
1	 a) Define computer. Explain characteristics of computers? b) Demonstrate the classification of Computers? c) List and Explain the generations of computer? Discuss applications of computers. 	5	Understanding K2	CO1
2	 a) List and Explain input and output devices? b) Explain the organization of basic computer model with neat diagram? c) Demonstrate the structure of C program with example. 	5	Understanding K2	CO1
3	 a) Define variable. Explain the rules to declare variable with example. b) Explain different data types used in C with syntax? c) Explain the Input and Output statements in C language with syntax and examples. 	5	Understanding K2	CO1
4	 a) Write a C program to compute the roots of quadratic equation by accepting the coefficients print appropriate messages. b) Define operators. Explain different types of operators with examples. c) Demonstrate the concept of type conversion with example. 	5	Applying K3	CO2
5	 a) Illustrate the conditional statements with syntax, flow diagram and sample program. b) Write a C program to find the largest number among three numbers using ternary operator? 	5	Applying K3	CO2

Course Incharge

HOD

Department of Computer Science Engineering K.S School of Engineering & Management Bangalore-560109



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING SESSION: 2023-2024 (ODD SEMESTER)

SECOND ASSIGNMENT

Degree

Date

B.E

Branch

CSE/ AI&DS

Course Title :

Principles of Programming using C

21/11/2023

Semester: I(A,B,C)

Course Code: BPOPS103/203 Max Marks: 25

Last Date for submission : 29/11/2023

Q No.	Question	Marks	K-Level	CO mapping
1(a)	Define looping. Explain for, while and do-while with suitable example.	5	Applying (K3)	CO2
(b)	Distinguish between the break and continue statement.		Applying (K3)	
2(a)	Explain the working of goto statement in C with example.	5	Applying (K3)	,
(b)	Write a C program to print whether a given number is palindrome or not.		Applying (K3)	CO2
3(a)	Discuss the implementation of user defined function with suitable example.		Applying (K3)	
(b)	Develop a C program to swapping of 2 numbers using call by reference and call by value.	5	Applying (K3)	CO3
(c)	Illustrate the working of recursion with suitable example.		Applying (K3)	
4(a)	Define an array? Explain the declaration and initialization of one dimensional and two dimensional arrays with an example.	5	Applying (K3)	
(b)	Ellaborate various scope of variables.		Applying (K3)	СОЗ
(c)	Develop a C program to transpose and addition of MxN matrix.		Applying (K3)	
5(a)	Write a C program to implement Bubble sort technique (ascending order).	5	Applying (K3)	CO3

(b)	Describe the various storage classes.	Applying (K3)	CO3
(c)	Discuss any three operations that can be performed on arrays with example.	Applying (K3)	
(d)	Develop a C program to implement Binary search on integers.	Applying (K3)	CO3

Course Incharge

HOD

Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109



Compilers.

Compiling

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ROA3 - 24 (ODD SEM) CO-PO Mapping

		es of	Programming Usi	The state of the s			
Type:	Core				rse Code:BPO	PS103	
7		D	.' 1/D' 1 1 337 1 (4 11'	No of Hours	S		
	Theory ture Class)	Prac	tical/Field Work/Allie Activities	ed To	tal/Week	Total tea	ching hours
(Leci	3		1		4		40
				Marks			
Interi	nal Assessme	ent	Examinatio	n	Total		Credits
	50		50		100		3
1. 2. 3. 4.	Apply pro Explore to solutions Design are functions Se Learning completing to	the bangrammuser-deto promise Development Development Dutco	sic architecture and ming constructs of C efined data structur blems velop Solutions to p	C language to es like array problems usin be able to:	o solve the real	-world proble nd pointers in gramming co	n implementin
CO2	Applyingd	ifferen	nehardwareparts. t programming con- world problems.	nstructs usin	gconditional b	ranching and	(K2) Applying (K3
CO3	Implement Make use Fibonacci a	e of	ing and searching T	recursion	to implement	programs like	Applying (K3
CO4			ined data structures			d Enumerated	Applying (K3
			S	yllabus Cont	ent		
Introd efficie	entprograms.	Introd	troduction to compute to the computer to C. Structure	of C progran	n, Files used in a	C program,	CO1 6hrs PO1-2

programs,

variables,

constants,

PO2-2

and executing C

Input/outputstatements in C.	PO12 -1 PSO1-3
LO: At the end of this session the student will be able to,	PSO2-1
1. Identify the need of Computer system.	
2. UnderstandPrimary andSecondary memory.	
3. Understand Basic structure of C program.	200
4. Acquire theknowledge to write the programs and execute.	Take 1

MODULE 2: Operators in C, Typeconversion and typecasting.	CO2
Decision control and Looping statements: Introduction to decision control, Conditional	6hrs
branching statements, iterative statements, nested loops, break and continue statements, goto statement. LO : At the end of this session the student will be able to,	PO1-3 PO2-3 PO3-3
1. Demonstrate different kinds of operators to solve the expressions. 2. Understand Conditional Branching and Un-Conditional Branching. 3. Distinguishing between Entry Controlled and Exit Controlled loops.	PO4-2 PO12-2 PSO1-3 PSO2-1
MODULE 3:	
Functions: Introduction using functions, Function definition, function declaration, function call, return statement, passing parameters to functions, scope of variables, storage classes, recursive functions. Arrays: Declaration of arrays, accessing the elements of an array, storing values in arrays, Operations on arrays, Passing arrays to functions, two dimensional arrays, operations on two-dimensional arrays, twodimensional arrays to functions, multi-dimensional arrays, applications of arrays. LO: At the end of this session the student will be able to, 1. Understand Functions concepts. 2. Understand 1-dimensional and 2-dimensional arrays, declare arrays, perform operations on arrays. 3. Implement passing arrays to functions with a suitable example.	CO3 8hrs PO1-3 PO2-3 PO3-3 PO4-1 PO12-1 PSO1-3 PSO2-1
MODULE 4:	CO4
Strings and Pointers: Introduction, string taxonomy, operations on strings,	6hrs
Miscellaneous string and character functions, arrays of strings. Pointers: Introduction to pointers, declaring pointer variables, Types of pointers, Passing arguments to functions using pointers.	PO1-3 PO2-3 PO3-3 PO4-1

LO: At the end of this session the student will be able to,	PO12-1 PSO1-3 PSO2-1
 Understand strings and perform the operations on strings. Understand pointers, types of pointers. Demonstrate the concept of Passing arguments to functions with a suitable example. 	
MODULE 5: Structure, Union, and Enumerated Data Type: Introduction, structures and functions, Unions, unions inside structures, Enumerated data type.	CO5 6hrs
Files: Introduction to files, using files in C, reading and writing data files., Detecting end of file LO: At the end of this session the student will be able to, 1. Defining astructure, accessing members of a structure. 2. Understand the knowledge of unions and enumerated data type. 3. Illustrate different kinds of files, read and write data files and detecting end of the filewith an example.	PO1-3 PO2-3 PO3-2 PO4-1 PO12-1 PSO1-3 PSO2-1

Text Books: -

1. Computer fundamentals and programming in C, "ReemaThareja", Oxford University, Second edition, 2017.

Reference Books:

- 1. E. Balaguruswamy, Programmingin ANSI C, 7th Edition, TataMcGraw-Hill.
- 2. Brian W. Kernighan and Dennis M. Ritchie, The 'C' Programming Language, Prentice Hall of India.

Useful Websites.

- 1. elearning.vtu.ac.in/econtent/courses/video/BS/15PCD23.html.
- 2. https://nptel.ac.in/courses/106/105/106105171/ MOOC courses can be adopted for more clarity in Understanding the topics and various problem solving methods.
- 3. https://tinyurl.com/4xmrexre.

Useful Journals

- International Journal of Engineering Research & Technology
- International Journal of Innovative Research in Technology

Teaching and Learning Methods:

- 1. Lecture class: 40 hrs.
- 2. Group Discussions (tutorial): 1hr.

3. Problem Solving (tutorial): 5hr.

Assessment:

Type of test/examination: Written examination

Continuous Internal Evaluation(CIE): 50

Semester End Exam(SEE): 50 marks (students have to answer all main questions)

Test duration:

1 hr

Examination duration: 3 hr

CO to PO Mapping

PO1: Science and engineering Knowledge

PO7:Environment and Society

PO2: Problem Analysis

PO8:Ethics

PO3: Design & Development

PO9:Individual& Team Work

PO4: Investigations of Complex Problems

PO10: Communication

PO5: Modern Tool Usage

PO11:ProjectMngmt& Finance

PO6: Engineer & Society

PO12:Lifelong Learning

PSO1: Understand fundamental and advanced concepts in the core areas of Computer Science and Engineering to analyze, design and implement the solutions for the real world problems.

PSO2: Utilize modern technological innovations efficiently in various applications to work towards the betterment of society and solve engineering problems.

СО	РО	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
21PS P23	K- level														
CO1	K2	2	2		-				THE REAL PROPERTY.				2	3	1
CO2	K2	3	3	3	2		Ser s	, pipi					2	3	1
CO3	K3	3	3	3	1			17.			-	nat. av	1	3	1
CO4	КЗ	3	3	3	1	-	-	-	3			-	1	3	1
CO5	K3	3	3	2	1		3 8	15 A		-	Rife		1	3	1

Course In charge

HOD

IQAC Coordinator

Principal

HOD

Pepartment of Computer Science Engineering K.S School of Engineering & Management Bangalore-560109

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Managemen
Bengaluru - 560 109

First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 2023 Principles of Programming using C

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

3. M: Marks , L: Bloom's level , C: Course outcomes.

Q.1	a.	Explain the organization of Basic computer model with neat diagram.	-	The second second	
		basic computer model with near diagram.	8	L1	CO2
	b.	Explain Input/Output statement in C.	8	LI	CO2
	c.	List and explain any two input-output devices.	4	L1	CO2
		OR			
Q.2	a.	What are the basic datatypes available in C?	6	L2	CO2
	b.	Define variable. Explain the rules to declare a variable with example.	6	L2	CO2
	c.	With suitable example – Explain the basic structure of C program.	8	L2	CO2
		Module – 2			
Q.3	a.	What is type casting? Explain its types with suitable example.	6	L2	CO2
	b.	Write a C program to find the largest of three numbers using ternary operator.	6	L3	CO2
	c.	List and explain unconditional branching statements with example.	8	LI	CO2
		OR			
Q.4	a.	List the conditional branching statements in 'C'. Explain any two with example.	6	LI	CO2
	b.	Write a C program to compute the roots of a quadratic equation by	•	1.2	COS
		accepting the coefficients print appropriate messages.	6	L3	CO2
	c.	Explain different types of loops in C. Justify with its syntax and example.	8	L2	CO2
		Module – 3			
Q.5	a.	Define an array. Explain with example. How to declare and initialize 2D-array.	6	L2	CO3
	b.	Write a C program to search an element using binary search technique (for numericals).	6	L3	CO3
	c.	Write a C program to perform addition of 2-dimensional matrix (consider 3×3 ordered matrices A and B).	8	L3	CO3
		OR			

BPOPS103

Q.6	a.	Define function. Explain the type of functions based on parameters.	8	L2	CO3
	b.	Write a C program to sort the elements using bubble sort technique by passing array as function argument.	6	L3	CO4
	c.	Write a C program to find the n_{C_1} . $\left[n_{C_2} = \frac{n!}{(n-r)!r!}\right]$	6	L3	CO3
	_	Module – 4			
Q.7	a.	Define a string. List the string manipulation functions. Explain any two with examples.	8	L.2	CO2
	b.	Write a C program to find the length of a given string without using built-in function.	6	1.3	CO3
	c.	Write a C program to check whether the given string is Palindrome or not without using built in function.	6	L3	CO2
		OR		_	
Q.8	a.	Define Pointer. Explain how the pointer is declared and initialized with example.	6	L.2	CO4
	b.	Write a C program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of 'n' real numbers.	8	L3	CO4
	c.	Write a C program to replace each constant in a string with the text one except letter 'z', 'Z' and 'a''A', for the string "Corona Virus" should be modified as "DpSpoa Wjsvt".	6	L3	CO3
		Module – 5			
Q.9	a.	Differentiate between structures and Union.	6	L2	CO4
	b.	Write a C program to implement structures to read and write Book-Title, Book-Author and Book-id of n books.	8	L3	CO3
	c.	Write a note on files.	6	L3	CO4
		OR			
Q.10	a.	List and explain any four file operations in C.	6	L2	CO2
	b.	Write a C program to store and print name, USN, Subject and IA marks of students using structure.	8	L3	CO4
	c.	Write a note on enumerated data type.	6	L2	CO4

* * * * *

GBGS SCHEME

	TITI	BPOPS103/203
USN		

First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Principles of Programming Using C

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M: Marks, L: Bloom's level, C: Course outcomes.

		2. M: Marks, L: Bloom's level, C: Course outcomes.	M	L	C
0.1		Module	Andrewson's Train	Anna Contract of the last	COI
Q.1	a.	Define a Computer. Explain the characteristics of a signal	-	and the latest l	COI
	b.	Explain the basic structure of a c program with a new stage	10	22	
0.0		OR	10	LI	COI
Q.2	a.	With a near diagram explain the steps in the execution of the	mane economic	L2	CO1
	b.	Explain the input and output statements in e with output			
		Module – 2	10	L2	COI
Q.3	a.	Explain the various operators in C.	10	LI	CO2
	b.	Explain the different forms of if statement with flowcharts.	10		
		OR	10	L2	CO2
Q.4	a.	Explain the switch statement with an example.	10	L3	
		id	04	L2	CO2
	b.	Explain break and continue statements with examples for each.		L3	
		7 1 1 1 4 - 6.2 numbers using nested if	06	L3	CO2
	c.	Write a C program to find the largest of 3 numbers using nested if	00		
		statement.			
		Module – 3	10	L2	CO3
Q.5	a.	Discuss in detail the parts of a user-defined function.	10	L2	CO3
	b.	Discuss the storage classes in C.	10	AJE .	000
		OR OR	05	L1	CO3
Q.6	a.	Define recursion. Write a C program to find the factorial of 'n' using	05	L3	005
		recursion	05	L1	CO3
	b.	What is an array? Explain the declaration and initialization of 1-D arrays.	03	L2	COS
			10	L3	CO3
	c.	Write a C program to perform Matrix Multiplication.	10	13	1000
		Module – 4	10	L3	CO4
Q.7	a.	Write functions to implement string operations such as compare	10	LS	1004
Q.,		denote and string length Convince the parameter passing techniques.	40	12	CO4
	b.	Develop a program using pointers to compute, sum, mean and standard	10	L3	C04
		deviation of all the elements stored in an array.			
		OR	100	TYO	CO4
Q.8	a.	Define a pointer. Discuss the declaration of pointer variables.	05	-	
Q.0	b.	Discuss the various string handling functions in C.	10		
	-	Write a C program to swap two numbers using call by reference technique.	05	L3	C04
	C.	Module - 5			
		Define a structure. Explain the types of structure declarations with	10	L1	CO4
Q.9	a.	Define a structure. Explain the types			
		examples for each. Implement structures to read, write and compute average marks and the	10	L3	CO4
	b.	Implement structures to read, write and compared in students scoring below and above average in a class of 'N' students.			
		students scoring below and above average in a state of the state of th			
			00	5 L	CO
Q.10	a.	Differentiate between structures and union.	1 0	6 L	3 CO
	b.	Differentiate between structures and differentia	1		
		and an Develop a C program that would read values to the individual	1		
		and display the date in the form duffinity yyy.		8 L	2 CO
	-	Explain the various file operations with syntax for each.	0	OL	2 00



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SESSION: 2023-2024 (ODD SEMESTER) I SESSIONAL TEST QUESTION PAPER

SET-B

USN

Degree

B.E

Branch

CSE/AI&DS

75 Minutes

Course Title Duration

Principles of Programming Using C

Semester: II (A,B,C)

Course Code: BPOPS103

Date: 07-11-2023

Max Marks: 25

Note: Answer ONE full question from each part.

Q No.	Question	Marks	K-Level	CO mapping
	PART-A			
1(a)	Define Computers. Summarize the characteristics of computers.	5	Understanding K2	CO1
(b)	List and Explain the classification of computers.	5	Understanding K2	CO1
(c)	Define algorithm. Explain control structures used in Algorithm.	5	Understanding K2	CO1
	OR			
2(a)	Demonstrate the basic organization of a computer with a neat block diagram.	5	Understanding K2	CO1
(b)	Discuss the structure of a C program.		Understanding K2	CO1
(c)	Define flowchart? Describe the symbols used in flowchart.	5	Understanding K2	CO1
	PART-B			
3(a)	Explain the concept increment and decrement operator with an example.	5	Applying K3	CO2
(b)	Define variable. Illustrate the rules to declare variable withexample.	5	Applying K3	CO2
	OR			
4(a)	Develop a C program to find the largest number among three numbers using ternary operator.	5	Applying K3	CO2
(b)	Demonstrate the following with syntax and example: (i)if-else (ii)switch.	5	Applying K3	CO2

IQAC-Coordinator

Principal

Dr. K. RAMA NARASIMHA

Department of Computer Science Engineering K.S School of Engineering & Management Bangalore-560109

HOD

Principal/Director K S School of Engineering and Management Bengaluru - 560 109

CBCS SCHEME

USN 1 K G 2 2 C S O 8 9

BPOPS103/203

First/Second Semester B.E./B.Tech. Degree Examination, June/July 2023 Principles of Programming Using C

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M: Marks, L: Bloom's level, C: Course outcomes.

		Module - 1	M	L	C
Q.1	2.	Define Computer. Describe the characteristics of computer in detail.	10	L2	CO
	b.	Explain various Input devices.	10	L2	CO
	ALT Y	OR			
Q.2	a.	Explain the following programming paradigms. i) Procedural Programming ii) Structured Programming iii) Object Oriented Programming.	10	L2	CO2
	b.	Explain printf() and scanf() functions with their syntax. Give the illustrative examples.	10	L2	CO2
		Module – 2	H		
Q.3 Haff	a.	Explain any five types of operators in C language with the illustrative examples.	10	L2	CO2
	b/	Write a C program to find the roots of quadratic equation by accepting the coefficients. Print appropriate messages.	10	L3	CO2
Hall		OR (A)			
Q.4	a.	What are iterative statements? Explain three types of iterative statements with their syntax.	10	L2	CO2
	b.	Write a program to print the following pattern. 1 1 2 1 2 3 1 2 3 4	10	L3	CO2
		Modoie 3			
Q.5	a.	Explain the syntax of function declaration and function definition with example.	06	L2	CO2
	b.	Write a C program to swap two numbers using call by reference method.	06	L3	CO2
	c.	Describe different types of storage classes with examples.	-08	L2	CO2
		OR CALL			
Q.6	a.	What is an array? Explain how arrays are declared and initialized with example.	08	L2	CO3
	b.	Write a C program to transpese a 3×3 matrix.	08	L3	CO3
	c.	List applications of arrays.	04	L3	CO3

		Module 4			
Q.7	a.	Write a C program to convert characters of a string into upper case without using built-in function.	10	L3	CO3
	b.	Discuss the working of the following string manipulation functions with suitable examples. i) strcmp ii) strlen iii) strcpy iv) strcat v) strcmp	10	L2	CO3
		OR			761
Q.8	a.	Define Pointer. Explain the declaration of a pointer variable with an example.	05	L2	CO2, CO4
	b.	Mention the applications of pointers.	05	L2	CO4
	c.	Develop a C program to compute the sum, mean and standard deviation of all elements of an array using pointers.	10	L3	CO3,
		Module - 5			
Q.9	a.	What is structure? Explain the declaration of a structure with an example.	06	L2	CO4
	b.	Differentiate between Structures and Unions.	06	L3	CO4
	c.	Develop a C program to read and display the information of all the students in the class.	08	L3	CO4
		OR			
Q.10	2.	Define Enumerated datatype. Explain the declaration and access of enumerated datatypes with a code in C.	06	L2	CO2
	b.	Explain the process of opening a file in C.	06	L2	CO2
	c.	Write a C program to demonstrate fwrite() function.	08	L3	CO2

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF BASIC SCIENCE

Attendance for Remedial Class

Class/ Section: I A

Subject/ Subject code: Principles of Programming Using C/ BPOPS103

Date: 12/12/2023

SI.No	Student Name	USN	Signature
	A YASHWITHA	ODIT	Signature
2	AKHIL GOUTHAM K		Jal-
3	AMAR		Aphille
4	BHARATH KUMAR S C		Araas C
5	BHASKAR S		OWN .
5	BHAVYA SAI SHREE V		isharkar-t.
7	CHALLA BALAJI NAIDU		SAN 9-
3	DHEERAJ R		Malay
)	DIVIT V		Oheonos
0	G DAEWOO SRI PRASAD		- Choe
1	H VISHNU		
2	HARI NARAYANA S		Wishny
3	IMPANA P		Marie Control
4	K BINDU		100
5	K DHEERAJ CHOWDARY		Kiladu
6	K YESHWANTH CHOWDARY		Dyci, k
7	KAMBHAMPATI VEDAVYAS		Johnson.
8	LALITH ADITHYA M		The deady
9	M NEVARUTH SAI		AL BURE
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	LISHANTHN		Ded.
	MALLIKARJUNA BIRADAR		(195_
	SOURABH GOUD ALLOLLI		bol l

Aubuja h Signature of the Staff

Dr. C. VASUDEV

Professor & HOD
Department of Applied Science
K.S. School of Engineering & Management
Bangalore - 560 109



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109 DEPARTMENT OF BASIC SCIENCE

Attendance for Remedial Class

Class/ Section: I A

Subject/ Subject code: Principles of Programming Using C/ BPOPS103

Date: 16/11/2023

SI.No	Student Name	USN	Signature
1	A YASHWITHA		Val-
2	AKHIL GOUTHAM K		AKI.D
3	AMAR		Amas
4	BHARATH KUMAR S C		DAN 55.
5	BHASKAR S		Dec .
6	BHAVYA SAI SHREE V		Bharkurs.
7	CHALLA BALAJI NAIDU		7/2
8	DHEERAJ R		N
9	DIVIT V		Dilli-
10	G DAEWOO SRI PRASAD		COM: N
11	H VISHNU		New March
12	HARI NARAYANA S		dishnei
13	IMPANA P		The second
14	K BINDU		K. Bedu
15	K DHEERAJ CHOWDARY		Durant
16	K YESHWANTH CHOWDARY		Urilgianith
17	KAMBHAMPATI VEDAVYAS		15-000
18	LALITH ADITHYA M		In like the state of
19	M NEVARUTH SAI		a waskerthan
20	SHASHIDHARA S C		Thur
21	D YASHAWANTH		Markand.
-	LISHANTHN		Lieb
3	MALLIKARJUNA BIRADAR		Nata.
1	SOURABH GOUD ALLOLLI		Add

Aubujak Signature of the Staff

HOD BS

Dr. C. VASUDEV

Professor & HOD
Department of Applied Science

KS, School of Engineering & Managemernt
Bangalore - 560 109



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Practical Marks List: Principles of Programming Using C (BPOPS103) I A sec

S.No	Roll No	Write	Conduct	Viva	Total 50	Out of	Record	Obser vation	Total	Total 25	Sign
		8	35	7	30	10	10	5	15	15 25	0
1	A01	8	35	5	48	9.6	10	5	15	25	AND
2	Λ02	8	33	7	48	9.6	10	5	15	25	Bre
3	A03	0	30	6	36	7.2	10	5	15	22	Ajitkanad
4	∆04	8	35	6	49	9.8	10	5	15	25	Akax
5	A05	0	35	7	42	8.4	10	5	15	23	All Marie
6	A06	0	34	7	41	8.2	10	5	15	23	Aroner
7	.\07	0	35	7	42	8.4	10	5	15	23	Amulta-14
8	A08	0	35	7	42	8.4	10	5	15	23	Alwite
9	.\09	7	35	5	47	9.4	10	5	15	24	S. la irius
10	A10	6	32	4	42	8.4	10	5	15	23	BADS
11	Δ11	0	35	7	42	8.4	10	5	15	23	Bhaskas
12	A12	0	35	3	38	7.6	7	3	10	18	Shore
13	Λ13	0	34	6	40	8	10	5	15	23	Beugii
14	Λ14	0	35	7	42	8.4	10	5	15	23	3 saylande
15	A15	8	35	5	48	9.6	10	5	15	25	Leeksha
16	.\16	0	35	7	42	8.4	10	5	15	23	Dechaste
17	.\17	7	34	3	44	8.8	10	5	15	24	Chango
18	Λ18	0	30	3	33	6.6	10	5	15	22	Dist
19	Λ19	5	30	5	40	8	10	5	15	23	an
20	\20	0	0	0	0	0	9	5	14	14	Grandad.
21	121	- 8	35	6	49	9.8	10	5	15	25 -	VOUL W
22-	A 22	. 8	35	6.	49	9.8	10	5	15	25	(Dewys
23	Λ.23	6	35	3	44	8.8	10	5	15	24	
24	.\24	5	30	4	39	7.8	10	5	15	23	Vishnes
25	Λ25	6	30	4	40	8	10	5	15	23	Man
26	A26	8	35	5	48	9.6	10	5	15	25	mound
27	A27	0	31	7	38	7.6	10	5	15	23	Inenana
28	Λ28	0	35	7	42	8.4	10	5	15	23	adaust
29	Λ29	8	35	5	48	9.6	10	5	15	25	Summe
30	A30	Ü	30	3	33	6.6	10	5	15	22	V. Birow
31	.\31	8	35	2	45	9	10	5	15	24	Ducy.k
32	A32	6	33	4	43	8.6	10	5	15	24	Nil Gras
33	A33	0	30	5	35	7	9	5	14	21	Yeshwands.
34	Λ34	0	35	4	39	7.8	9	5	14	22	15- He day
35	.\35	8	35	6	49	9.8	10	5	15	25	Anse
36	A36	0	35	5	40	8	10	5	15	23	1.04A
37	.\37	8	35	5	48	9.6	10	5	15	25	Khudal
38	\38	8	35	5	48	9.6	10	- 5	15	25	ha kinnie
39	Λ39	6	32	5	43	8.6	10	5	15	24	Jalist

40	A40	7	34	2	43	8.6	10	5	15	1 01	1 Mach
41	Λ41	0	0	0	0	0	10		15	24	Manuel
42	142	8	35	5	48	9.6	10	5	15	15	Chaidharup
43	Λ43	6	34	5	45	9	10	5	15	25	Baithy
44	Λ44	0	34	4	38	7.6	10	5	15	24	Megher
45	145	0	35	7	42	8.4	10	5	15	23	Khas
46	Λ46	0	35	5	40	8		5	15	23	Chusha M. N
47	A47	8	35	6	49		10	5	15	23	Sheishil
48	A48	8	35	5	48	9.8	10	5	15	25	Huner
49	149	7	35	6	48	9.6	10	5	15	25	Harehale
50	Λ50	5	35	5		9.6	10	5	15	25	Chaithanyal
51	Λ51	0	35	5	45	9	10	5	15	24	3Ry
52	A52	8	35		40	8	10	5	15	23	18
53	A53	7	35	5	48	9.6	10	5	15	25	Corolina.
54	A54	8	35	6	48	9.6	10	5	15	25	Chithon
55	Λ55	6	35	5	48	9.6	10	5	15	25	fal
56	A56-	8		5	46	9.2	10	5	15	24	Harrhills
57	A57	5	35	4	47	9.4	10	5	15	24	Timut 1-
58	A58	8	32	5	42	8.4	10	5	15	23	The same
59	A59		35	5	48	9.6	10	5	15	25	Manore
50	A60	8	35	6	49	9.8	10	5	15	25	(. Yourse
51		0	30	3	33	6.6	10	5	15	22	1
	A61	8	35	6	49	9.8	10	5	15	25	Andre
52	A62	5	32	4	41	8.2	10	5	15		SOF
53	A63	6	35	2	43	8.6	10	5	15	23	Paneline &

HOD

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K.S.SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PRINCIPLES OF PROGRAMMING USING C LABORATORY

I Semester Lab Internals B-Form - Jan - 2024

BATCH: - B 2,3,1 SUBJECT CODE: - BPOPS103/203 DATE: - 11/01/2024

SEMESTER: - I

TIME: - 8.40 AM To 3.40 PM

S.No	Roll No	Name	Signature	Batch No	Time
1	A18	DIVIT V	Piul		
2	A19	DYUTHI S	ally		
3	A20	G DAEWOO SRI PRASAD	Cs Daves		
4	A21	GABBURI NARASANNA PALLAVI	Jan Vii		
5	A22	GADDAMADUGU DINAVYA	G. De		
6	A23	GANNI NAVEEN RAJ ANUDEEP	A		
7	A24	H VISHNU	Vishne		
8	A25	HARI NARAYANA S	M		8.40 AM
9	A26	IMPANA P	Irlan.	BATCH B2	To
10	Λ27	INCHARA S	Inchang		11.40 AM
11	A28	JANHAVI SUDHAKAR THORAT	oplus !		
12	A29	JHANAVI C	4L.C		
13	A30	K BINDU	K.R.dn		
14	A31	K DHEERAJ CHOWDARY	DijujK		
15	Λ32	K P NIHAAL	Nihaulkp		
16	A33	K YESHWANTH CHOWDARY	yoshunithi		
17	A34	KAMBHAMPATI VEDAVYAS	K. Voda		

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109



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BATCH: - B 2,3,1 SUBJECT CODE: - BPOPS103/203

DATE: - 11/01/2024

SEMESTER: - I

A

TIME: - 8.40 AM To 3.40 PM

S.No	Roll No	Name	Signature	Batch No	Time
35	A01	A YASHWITHA	A.Y.J.		
36	A02	ADITYA H	Dr		
37	A03	AJIT KUMAR	Hilkeman		
38	A04	AKASH S	Aroth		
39	A05	AKHIL GOUTHAM K	Akh Ki.		
40	A06	AMAR	Amaz		
41	A07	AMRUTHA K	Amentheix		
42	A08	ANKITHA P	Auxit		
43	A09	ASHWINI N R	Quiring .	BATCH B1	12.40 PM To
44	A10	BHARATH KUMAR S C	TELL S.C.	ы	3.40 PM
45	A11	BHASKAR S	Bhaskan		
46	A12	BHAVYA SAI SHREE V	Eleve !		
47	A13	CHALLA BALAJI NAIDU	Balaji		
48	A14	D JAYA KRISHNA	7-Jayakuha		
49	A15	DEEKSHA N	0		
50	A16	DEEKSHITHA K	Deeblille		
51	A17	DHEERAJ R	Oheroop		

1) Ambujats 2) Prasama.N

Faculty Signature

Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PRINCIPLES OF PROGRAMMING USING C LABORATORY

I Semester Lab Internals B-Form - Jan - 2024

BATCH: - B 2,3,1 SUBJECT CODE: - BPOPS103/203 DATE: - 11/01/2024

SEMESTER: - I A

TIME: - 8.40 AM To 3.40 PM

S.No	Roll No	Name	Signature	Batch No	Time
18	A35	KARANAM VENNELA	Come	VERME	200 E.P.
19	A36	KOTHA HARSHA NANDHAN	J.Old	a private s	94-44
20	A37	KUSHAL K R	KUSTER	enakin of	less ex-
21	A38	LAKSHMI B	Lakshmis		
22	A39	LALITH ADITHYA M	- Little		
23	A40	M NEVARUTH SAI	Manual Ma		
24	A41	CHAITHANYA C GOWDA	Chair thanya		
25	A42	ADITYA P MASABINAL	- AN		10.40 AM
26	A43	MEGHA	Megra.	BATCH B3	To
27	A 44	KIRAN S	1 Klans		1.40 PM
28	A45	ANUSHA M N	Anuha M.N		100
29	A46	SHASHIDHARA S C	Suis.		
30	A47	MANYA B M	runyu.3.	n	
31	A48	HARSHITHA S			
32	A49	CHAITHANYA R	therebithes charlenges		
33	A50	RISHMITHA K B	304		
34	A51	S AKSHATHA	18		



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU - 560109

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IA Marks List: Principles of Programming Using C (BPOPS103) I A sec

SI.	USN	Name of the Student						BPO	PS103							
10.	USIN		TOTAL CLASS =44	Att.	IA1(25)	IA2(25)	IA3(25)	Average of best of two internals (25)		Assignme nt(10)	Theory Total(25)	Lab Total (25)	Final Marks IA(50)	Sign		
1		A YASHWITHA	42	95	10	17	13	15	9	10	19	25	44	Yal-		
2		ADITYA H	42	95	13	9	15	14	9	10	19	25	44	(Alex		
3		AJITH KUMAR	40	91	14	13	3	14	9	10	19	22	41	Aiking		
4		AKASH S	39	89	20	25	24	25	15	10	25	25	50	Arox		
5		AKHIL GOUTHAM K	39	89	7	9	14	12	8	10	18	23	41	Achois		
6		AMAR	40	91	8	15	13	14	9	10	19	23	42	Ama		
7		AMRUTHA K	43	98	15	8	18	17	11	10	21	23	44	Anuille		
8		ANKITHA P	39	89	14	13	11	14	9	10	19	23	42	Awate		
9		ASHWINI N R	43	98	13	13	16	15	9	10	19	24	43	Davini M		
10		BHARATH KUMAR S C	41	93	6	10	12	11	7	10	17	23	40	SINS		
11		BHASKAR S	41	93	10	17	15	16	10	10	20	23	43	Shorte		
12		BHAVYA SAI SHREE V	38	86	11	5	11	11	7	10	17	18	35	Brook		
13		CHALLA BALAJI	43	98	11	13	5	12	8	10	18	23	41	Baleii		
14		D JAYA KRISHNA	41	93	17	15	12	16	10	10	20	23	43	D-Japle		
15		DEEKSHA N	38	86	13	11	14	14	9	10	19	25	44	K.		
16		DEEKSHITHA K	38	86	20	14	16	18	11	10	21	23	44	Deeloud		
17		DHEERAJ R	40	91	10	10	6	10	6	10	16	24	40	Dhouse		
18		DIVIT V	41	93	13	9	5	11	7	10	17	22	39	DEAT		
19		DYUTHI S	38	86	18	17	10	18	11	10	21	23	44	ALL THE PROPERTY OF THE PROPER		
20		G DAEWOO SRI PRASAD	40	91	10	20	AB	15	9	10	19	14	33	Collegia		
		GABBURI NARASANNA						1						Zon w		
21		PALLAY1 GADDAMADUGU	44	100	23	24	14	24	15	10	25	25	50	DO C		
22		DINAVYA	44	100	24	23	25	25	15	10	25	25	50	Ca 1917=		
23		GANNI NAVEEN RAJ ANUDE ED H VISHNU	38	86	13	15	AB	14	9	10	19	24	43	Jes hner		
24		HARI NARAYANA S	39	89	11	20	19	20	12	10	22	23	45	1		
25			39	89	10	11	15	13	8	10	18	23	41 (
26		IMPANA P INCHARA S	39	89	10	20	22	21	13	10	23	25	48	4		
27		JANHAVI SUDHAKAR	39	89	14	13	17	16	10	10	20	23	43	Sheward at 1		
28		TUODAT	44	100	15	7	12	14	9	10	19	23	42	dymest		
29		JHANAVI C	44	100	16	20	22	21	13	10	23	25	48	4-1		
30		K BINDU	38	86	15	5	5	10	6	10	16	22	38	KiBish		

							Washington Co.						
	K DHEERAJ			1.0		1							Dujasik
31	K P NIHAAL	41	93	10	9	10	10	6	10	16	24	40	ingus
32		41	93	17	11	12	15	9	8	9	24	41	Nihano
33	K YESHWANTH CHOWDADY	39	89	8	14	4	11	7	10	17	21	38	Talmonde
34	KAMBHAMPATI VEDAVVAS	40	91	7	15	16	16	7	10	17	22	39	10.000
35	KARANAM VENNELA	43	98	23	25	24	25	15	10	25	25		Personal
36	KOTHA HARSHA	39	89	13	10		12				1	50	4001
	KUSHAL K R					AB		8	10	18	23	41	MA
37	LAKSHMI B	42	95	14	20	21	21	13	10	23	25	48	Sort
38		44	100	23	24	21	24	15	10	25	25	50	Latishm
39	LALITH ADITHYA M	40	91	8	14	7	11	7	10	17	24	41	lalit?
40	M NEVARUTH SAI	39	89	7	15	1	11	7	10	17	24	41	Mouluhai
	CHAITHANYA C										-		1 111 0
41	GOWDA	41	93	21	21	21	21	13	10	23	15	38	chaithoug
42	ADITYA P MASABINAL	39	89	15	14	24	20	12	10	22	25	47 -	ay.
43	MEGHA	43	98	19	18	20	20	12	10	22	24	46	Megha
44	KIRAN S	42	95	13	15	9	14	9	10	19	23	42	Kino
45	ANUSHA M N	39	89	16	16	14	16	10	10	20	23	43	dawhand
46	SHASHIDHARA S C	40	91	7	11	13	12	8	10	18	23	41	Pecs -
47	MANYA B M	44	100	19	24	24	24	15	10	25	25	50	Manyy, B
48	HARSHITHA S	42	95	13	14	17	16	10	10	20	25		Le Dayy
49	CHAITHANYA R	41	93	16	13	20	18					45	chilasum
50	RISHMITHA K B	42	95					11	10	21	25	46	- Charton
	S AKSHATHA			13	10	15	14	9	10	19	24	43	3
51	D YASHAWANTH	42	95	14	15	22	19	12	10	22	23	45	10,
52		39	89	12	19	16	18	11	10	21	25	46	rejolium "
53	CHITRA U	41	93	18	21	20	21	13	10	23	25	48	Chathan W
54	LISHANTH N	39	89	10	9	13	12	8	10	18	25	43	LOL
55	M HARSHITH PRAMOD	39	89	13	15	9	14	9	10	19	24	43	Harohith
56	ISMATH ZEHERA	43	98	17	20	18	19	12	10				29
57	MALLIKARJUNA	39	89	3						22	24	46	
58	MANOJ KUMAR C				11	10	11	7	10	17	23	40	10000
	C YUVARAJ	39	89	15	20	12	18	11	10 \	21	25	46	mouney
59	SOURABH GOUD	40	91	20	22	AB	21	13	10	23	25	48	c. Ywaxay
50	MICHI	39	89	3	7	13	10	6	10	16	22	38	ADD .
51	K G SOUMYA	40	91	17	23	22	23	14	10	24	25	49	Bood
													7 11 1
52	VAIBHAVIS	40	91	16	10	11	14	9	10	19	23	42	Valburi

Aubujah Faculty Incharge HOD

	(a	K.S. SC	HOOL O	FENGINEER	ING AND MAN	AGEMENT, BEN	GALURU - 560109			
	[33]			TATELLA CALL	TALES IN THE RESEARCH	ACT AND PRICE				
	1	Cour	rse End S	urvey: Princip	les of Programm	ing Using C (BPO	PS103) I A sec			
Timestamp	Email	Name	USN	[Q1: The course increased your level of interest?]	[Q2.The course content was appropriate and was presented in a structured manner]	[Q3: The learning material, theory/practical sessions were relevant to the course outcomes?]	The second secon	[Q5:After this course, you will be able to solve analyze real life engineering problems related to this course?]	understandin	Sign
-4-2024 21:45:36	harshanandhan2006@gmai	K HARSHA NANDHAN	A-36	High	High	115-1			courses?]	
-4-2024 21:45:14	@dheerajraji1114@gmail.co	Dheeraj	A17	High	High	High	High	High	High	Japan)
-4-2024 21:40:14	djayakrishna14@gmail.com	D Jaya krishna	A-14	High	High	High	High	High	High	DIL.
4-2024 21.40.16	Jnanavic2005@gmail.com	Jhanavi.C	A29	High	High	High	High	High	High	Dheeneo
4-2024 21.40.29	Inoratianahvi@omail.com	lonbard C.T.	A28	Medium	High	High	High	High	High	I Toy bush
4 2024 21:45:40	incharaurs2005@gmail.com	Inchara S	A27	High		High	High	Medium	High	40.0
4-2024 21:46:47 1	anudeepr1816@gmail.com	C Mouses and	A23	High	High	High	High	High	High	orahwist.
1 2024 21.40.09 1	shdShldharascshashi@omal	CHACHIDITADA OO	A-46	High	High	High	High	High	High	Inghauc
7 2027 21.47 00 10	Ineeralchowdan/172@amail	V DUEEDA LOUISIA	31	High	High	High	Medium	Medium	High	90
· LULT 21.41.15 16	allidipommani/9/mamail al	Amar	A6	High	High	High	High	High		Just
4-2024 21:47:20 a	adityah2212@gmail.com	Aditya H	A02	Medium	High	High	High	High		Disky k
4-2024 21:47:21 k	(gsoumva1605@gmail.com)	C Commun	61	High	High	High	High	Medium	High	Amoul
4-2024 21.47.37	allavimagic2006@gmail.cd	G N Pallavi	A21		High	High	High	Medium	Medium	(Alia
4-2024 21:48:14 la	khilgouthamk@gmail.com	Akhil Cauthan Is	5	High	High	High	High	High	High	800
7-2024 21.40.19 10	naskars17812@gmail.com	Ohooker -	11	High	High	High	Medium	Medium		AW
4-2024 21.55.29 11	nasabinaladitya82@gmail.d.	Aditya masahinal	A42	High	High	High	High	High	Medium	Atra-
4-2024 22.00.24	0068496@gmail.com	Megha		High	High	High	High			Bhaskor
4-2024 22:00:52 la	kash s12590@gmail.com	kash S	A 43	High	High	High	High	High	High	Ay.
4-2024 22:01:58 lin	npanap04@gmail.com	MRANAR	A04	Medium	High	High	High	High Medium	High	Merloo.
1-2024 22:02:59 ai	namanenisaritha@gmail cd A	vachuitho	A26	High	High	High	High	5.0000000000000000000000000000000000000	High	Akars
-2.024 22.20.56 Ide	Owdachaithanya68@amoillo	he ith	A1	High	High	High	High	High	High	July
-2024 22 22 19 IST	idevimedha634@gmail.colu	ori Mana	A41	High	High	High	High	High	High !	fal -
2024 22.29.30 0	navvadaddamadugu:13@4C	Dinavara	25	High	High	High	High	High	High (maithanyl,
-2024 22.30.18 Ide	Salvashwanth@gmail.com	VACHIMANTI	A22	High	High	High	High	High	High	M
-2024 23.24.13 Inv		ishnu	A52	Medium	High	High	High	High	High	J. Du
-2024 0:35:32 lan	udeepr1816@gmail.com G	Navon si I	24	Medium	Medium	Medium	Medium	Medium	High	usahar
	nnela.k004@gmail.com Ka	waveen raj anudeep	A23	High	High	High	High	Medum	Medium	Villanu,
	ekshithakumar23@gmail De	aranam Vennela	A35	High	High	High	High	High	High	CAD
	kithap192004@gmail.con Ar	eksnina K	A16	High	High	High		High	High	A BREEZE WAR
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	ukkayuvaraj123@gmail.c C	Yuvaraj	A59	High	High	High	High	Medium	Medium	thistern il
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1-5-2024 7:00:58 gdaewoosriprasad@gmail.c G DAEWOO SRI PRASAD 1-5-2024 7:27:19 chaithanyarajkumar594@gr Chaithanya R

1-5-2024 7:31:28 Kundulabindu@gmail.com K bindu

1-5-2024 7:32:00 Kundulabindu@gmail.com K bindu

1-5-2024 7:34:58 manyabmmahadevappa@g MANYA B M

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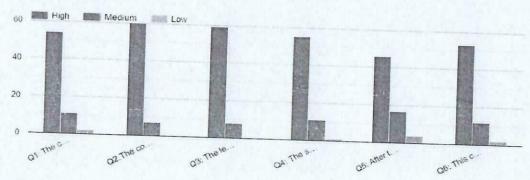
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1-5-2024 11:10:50	mnanusha0@gmail.com	Anusha MN	45	High	High	High	High	High	High	
1-5-2024 11.10:50	Vedavyas3999@gmail.com	K.vedavyas	A34	High		High	High	High	High	al .
1-5-2024 11.21.58	ismathzehera39@gmail.co	n ISMATH ZEHERA	A56	High	High High	High	High	High	High	Oranjona
1-5-2024 11:34:05	lakshmiaishu2005@gmail	Lakshmi.B	A38	High	High	High	High	Low	High	2. 14
1-5-2024 11:36:50	mekanaevruthsai@gmail.co	M.Neavruth Sai	A-40	High	High	High	High	High	High	Dmalh
-5-2024 11.46.32	ashwininr2005@gmail.com	Ashwini N R	A-09	High	High	High	High	High	High	MANUFACTURE OF THE PARTY OF THE
9.2024 22.59:43	narshithpramodm@gmail.c	M Harshith pramod	A55	Medium	High	High	High	High	High	
0 2024 10.23.10 P	Oninaal1/25@gmail.com	Vn Nihaal	A32	High		High	Medium	Medium	Medium	n. inium
9.2024 11:04:53 Ir	parashuramgowda333@g	Parashuram N	A63	High	High	Medium	High	High	High	Aarshill
3-2024 11.14.04 10	leekshaqowda1128@gmai	Deeksha.N	A15	High	High	High	High	High	High	Nihad RP
-0-2024 11.15.33	shanth65cta@gmail.com	LISHANTH N	A54	Low	High	High	High	High	High	
-9-2024 11:16:15 k	iran46779@gmail.com	Kiran s	44	High	Medium	Medium	Medium	Low		1000
-9-2024 11:16:31 V	aibhaviammu123@gmail.c	Vaibhavi S	A62		High	High	High	High	Low	Clab
9-2024 11:17:21 IV	emuribhavva04@gmail co	Photos i -!	A12	High	High	High	High	High	High	Iciram.
3-2024 11.17.25 C	naithanyaraikumar504@an	Chaithan	A49	Medium	High	High	High	Medium	High	North bhow ?
3-2024 11.17:45 D	harathkumarsc50@omail d	Dhoroth V		High	High	High	High	High	High	Walles.
3-2.024 11.10.39 ID	narathkumarec50@amail a	Dh!! !/	10	High	High	High	High	High	Medium	
0-2024 11.23.32 Jai	KShathashiyanna05@gmail	C Akabath -	10	High	High	High	High	High	High	MASIC
3-2024 11.35.40 IM	VIIIemvruirs@omail.com	MALLUKADILINI DIDATE	A51	High	High	High	Medium	Medium	High	BUSI
0 LULT 11.40.00 IIII	anniki imar c nic@amail ad	Manaile	A 57	High	High	High	High		High	10
3-2024 11.47.26 Ina	arshitha201016@gmail.cod	HADCHITHA	A58	High	High	High	Medium	High	High	10 L.
5-2024 11.00.02 ITIS	nmithakamnalli2005@gm	Rishmitha	A48	Medium	High	High	Medium	High	High	Manoj
9-2024 11:55:04 Jan	tk36820@gmail.com	Alit Issues	A-50	High	High	High	High	Medium	High	Herchitha.
9-2024 12:21:37 ye	swanth1508@gmail.com	V VECLUMANTU SUST	A-03	High	Medium	Medium	High	High	High	300
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5-2024 13.00:55 IKU	shal kr6002@gmail.com li	Suchal K.D.	A-13	High	High	High	High	High	High	Hedwards:
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-2024 19:08:38 an	kithap192004@gmail.com	DIVIEV	A18	High	High	High	High	Low	Medium	Nes Tel
-2024 19.27.55 Invi	0510604@amail.com	E-t-	A-08	Medium	Medium	Medium	High	High	High	Dist
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Faculty Incharge

Department of Computer Science Engineering K.S School of Engineering & Management Bangalore-560109

Branch: CS

Semester: 1

Sl NO.	USN	BPOPS103
1	1KG23CS001	19 (TH), 25 (PR)
2	1KG23CS003	19 (TH), 25 (PR)
3	1KG23CS004	22 (TH), 25 (PR)
4	1KG23CS005	19 (TH), 22 (PR)
5	1KG23CS006	25 (TH), 25 (PR)
6	1KG23CS007	18 (TH), 23 (PR)
7	1KG23CS008	19 (TH), 23 (PR)
8	1KG23CS009	21 (TH), 23 (PR)
9	1KG23CS010	19 (TH), 23 (PR)
10	1KG23CS011	20 (TH), 23 (PR)
11	1KG23CS012	20 (TH), 24 (PR)
12	1KG23CS013	19 (TH), 24 (PR)
13	1KG23CS014	17 (TH), 23 (PR)
14	1KG23CS015	20 (TH), 23 (PR)
15	1KG23CS016	17 (TH), 18 (PR)
16	1KG23CS017	23 (TH), 25 (PR)
17	1KG23CS018	23 (TH), 15 (PR)
18	1KG23CS019	21 (TH), 25 (PR)
19	1KG23CS020	18 (TH), 23 (PR)
20	1KG23CS021	23 (TH), 25 (PR)
21	1KG23CS022	20 (TH), 23 (PR)
22	1KG23CS023	21 (TH), 25 (PR)
23	1KG23CS024	19 (TH), 25 (PR)
24	1KG23CS025	21 (TH), 23 (PR)
25	1KG23CS026	24 (TH) , 24 (PR)
26	1KG23CS027	16 (TH), 24 (PR)
27	1KG23CS028	25 (TH), 25 (PR)
28	1KG23CS029	17 (TH), 22 (PR)
29	1KG23CS030	21 (TH), 23 (PR)
30	1KG23CS031	19 (TH), 14 (PR)
31	1KG23CS032	25 (TH), 25 (PR)
32	1KG23CS033	25 (TH) , 25 (PR)
33	1KG23CS034	25 (TH), 24 (PR)
34	1KG23CS035	19 (TH), 24 (PR)
35	1KG23CS036	22 (TH), 23 (PR)
36	1KG23CS037	18 (TH), 23 (PR)

SI NO.	USN	BPOPS103
37	1KG23CS038	25 (TH), 25 (PR)
38	1KG23CS039	20 (TH), 25 (PR)
39	1KG23CS040	23 (TH), 25 (PR)
40	1KG23CS041	20 (TH), 23 (PR)
41	1KG23CS042	22 (TH) , 24 (PR)
42	1KG23CS043	19 (TH), 23 (PR)
43	1KG23CS044	23 (TH) , 25 (PR)
44	1KG23CS045	19 (TH), 23 (PR)
45	1KG23CS046	16 (TH), 22 (PR)
46	1KG23CS047	16 (TH), 24 (PR)
47	1KG23CS048	24 (TH), 25 (PR)
48	1KG23CS049	17 (TH), 24 (PR)
49	1KG23CS050	17 (TH), 21 (PR)
50	1KG23CS051	17 (TH), 22 (PR)
51	1KG23CS052	25 (TH), 25 (PR)
52	1KG23CS053	21 (TH), 24 (PR)
53	1KG23CS054	19 (TH), 23 (PR)
54	1KG23CS055	18 (TH), 23 (PR)
55	1KG23CS056	23 (TH), 25 (PR)
56	1KG23CS057	25 (TH), 25 (PR)
57	1KG23CS058	17 (TH), 24 (PR)
58	1KG23CS059	19 (TH), 23 (PR)
59	1KG23CS060	18 (TH), 25 (PR)
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61	1KG23CS062	19 (TH), 24 (PR)
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66	1KG23CS067	23 (TH), 23 (PR)
67	1KG23CS068	21 (TH), 25 (PR)
68	1KG23CS069	25 (TH) , 25 (PR)
69	1KG23CS070	21 (TH) , 23 (PR)
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72	1KG23CS073	24 (TH) , 23 (PR)
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75	1KG23CS076	17 (TH) , 24 (PR)

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76	1KG23CS077	21 (TH), 23 (PR)
77	1KG23CS078	19 (TH), 24 (PR)
78	1KG23CS079	24 (TH), 24 (PR)
79	1KG23CS080	25 (TH), 24 (PR)
80	1KG23CS081	20 (TH), 18 (PR)
81	1KG23CS082	24 (TH), 24 (PR)
82	1KG23CS083	21 (TH), 23 (PR)
83	1KG23CS084	25 (TH), 23 (PR)
84	1KG23CS085	17 (TH), 19 (PR)
85	1KG23CS086	17 (TH), 22 (PR)
86	1KG23CS087	17 (TH), 20 (PR)
87	1KG23CS088	18 (TH), 23 (PR)
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90	1KG23CS091	22 (TH), 23 (PR)
91	1KG23CS092	21 (TH) , 23 (PR)
92	1KG23CS093	21 (TH), 23 (PR)
93	1KG23CS094	20 (TH), 24 (PR)
94	1KG23CS095	18 (TH), 23 (PR)
95	1KG23CS096	25 (TH), 25 (PR)
96	1KG23CS097	21 (TH), 24 (PR)
97	1KG23CS098	18 (TH), 23 (PR)
98	1KG23CS099	20 (TH), 22 (PR)
99	1KG23CS100	24 (TH) , 24 (PR)
100	1KG23CS101	24 (TH), 23 (PR)
101	1KG23CS102	25 (TH), 24 (PR)
102	1KG23CS103	22 (TH), 24 (PR)
103	1KG23CS104	25 (TH) , 25 (PR)
104	1KG23CS105	25 (TH) , 25 (PR)
105	1KG23CS106	16 (TH), 22 (PR)
106	1KG23CS107	19 (TH), 23 (PR)
107	1KG23CS108	18 (TH), 12 (PR)
108	1KG23CS109	19 (TH), 24 (PR)
109	1KG23CS110	18 (TH), 24 (PR)
110	1KG23CS111	18 (TH), 24 (PR)
111	1KG23CS112	19 (TH), 23 (PR)
112	1KG23CS113	25 (TH), 25 (PR)
113	1KG23CS114	21 (TH), 24 (PR)
114	1KG23CS115	18 (TH), 23 (PR)

Sl NO.	USN	BPOPS103
115	1KG23CS116	24 (TH), 23 (PR)
116	1KG23CS117	24 (TH), 25 (PR)
117	1KG23CS118	24 (TH), 25 (PR)
118	1KG23CS119	17 (TH), 23 (PR)
119	1KG23CS120	25 (TH), 25 (PR)
120	1KG23CS121	17 (TH), 22 (PR)
121	1KG23CS122	20 (TH), 24 (PR)
122	1KG23CS123	19 (TH), 23 (PR)
123	1KG23CS124	24 (TH), 24 (PR)
124	1KG23CS125	24 (TH) , 24 (PR)