



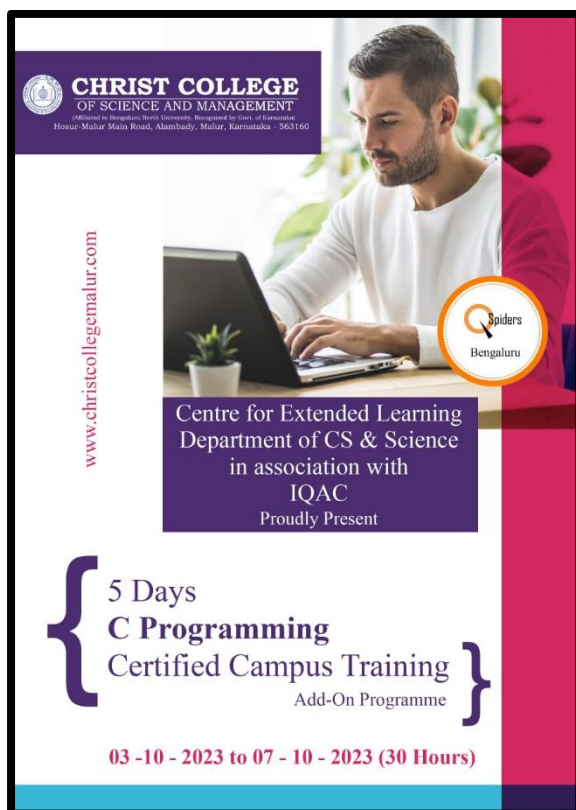
CHRIST COLLEGE OF SCIENCE AND MANAGEMENT

(Affiliated to Bengaluru North University, Recognized by Govt. of Karnataka)
Hosur-Malur Main Road, Alambady, Malur, Karnataka - 563160

ADD-ON COURSE	
COURSE NAME	C Programming
COURSE CODE	AC2301
YEAR OF INTRODUCTION	2023-24
YEAR OF OFFERING	2023-24
STAFF IN CHARGE	Dr. Vijayalakshmi V, Asst Prof, Dept. of CS Mr. Thangadurai S, Asst Prof, Dept of Science
NAME OF THE TRAINER	Ms. Priyanka Kolur, Corporate Trainer, QSpiders, Bangalore
COURSE OFFERED TO	II Year BCA II Year BSc

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Course Brochure:



Course Syllabus

Course Code	Course Name	L-T-P	Credits	Year of Introduction
AC2301	C PROGRAMMING	05 Days/06 hours	1	2023-24

Unit 1: Introduction to C Programming: Overview and tools, Compiling and running programs, Basic Programming Concepts, Variables, conditions, loops, Operator applications, Designing Programs with Arrays, Array fundamentals, Operations and manipulations. **(7 Hrs)**

Unit 2: Pointers: Pointers in Dynamic Memory, Pointer analysis and implementation, Dynamic memory allocation, User-Defined Functions, writing programs using functions, Addressing code complexity. **(7 Hrs)**

Unit 3: Structures and Unions: Deep knowledge and program-solving, Real-world applications, String Manipulation Operations, Mastery of techniques, Practical exercises. **(7 Hrs)**

Unit 4: Storage Classes and Applications: Understanding different classes, Practical examples, Enumerations and Typedef, In-depth knowledge, Application in programming. **(6 Hrs)**

Activity: **(3 Hrs)**

Expected Outcomes

By the conclusion of the course, students are expected to achieve the following outcomes:

- Proficiency in utilizing technology trained on C programming.
- Competence in designing programs employing arrays.
- Ability to analyse and implement pointers in dynamic memory, choosing appropriate operations to traverse through memory effectively.
- Mastery of basic programming concepts, including variables, conditional statements, loops, and operators.
- Skill in writing programs using user-defined functions to address code complexity.
- Deep practical knowledge of structures and unions, coupled with proficient program-solving skills.
- Expertise in string manipulation operations.
- Understanding of storage classes and their applications.
- Knowledge of enumerations and typedef, showcasing a comprehensive grasp of C programming principles.

Course Plan

Module	Topics	Hours Allotted	Remarks
1	Introduction to C Programming	7	
2	Pointers	7	
3	Structures and Unions	7	
4	Storage Classes and Applications	6	
	Activity: Practice Session	3	
	Total Hours	30	

Course Assessment Procedure

Module	Assessment Methods	Weightage	Remarks
	Formative Assessment	50 Marks	

C Programming

	Attendance (10 Marks)		
	Activity (40 marks)		
	Total	50 Marks	

Grade Description

Final Result Grade Description			
% of Marks	CGPA	Letter Grade	Result/Class Description
90.0 - 100	9.00 – 10.00	O	Outstanding
80.0 -< 90.0	8.00 – 9.00	A+	First Class Exemplary
70.0 -< 80.0	7.00 – 8.00	A	First Class distinction

Eligibility Criteria for receiving a certificate: Student Securing 70% or above are Eligible to receive a certificate of completion.

Implementation

The add-on course was conducted on five days, from October 03, 2023, to October 07, 2023, each day from 9 am to 4 pm.

Student Feedback and Evaluation

- **Feedback Form**

Link to access the Feedback Form:

<https://forms.gle/cjH9NXB7duFi1aLF9>

Screenshot of the Feedback Form:

C Programming

Feedback - Certified Campus Training with QSpiders

Questions Responses 102 Settings

Certified Campus Training with QSpiders Feedback Form- October 3-7, 2023

Rating

- 5 Excellent
- 4 Very Good
- 3 Good
- 2 Average
- 1 poor

University Registration Number *

Short-answer text

Full Name *

Short-answer text

- **Feedback Analysis**

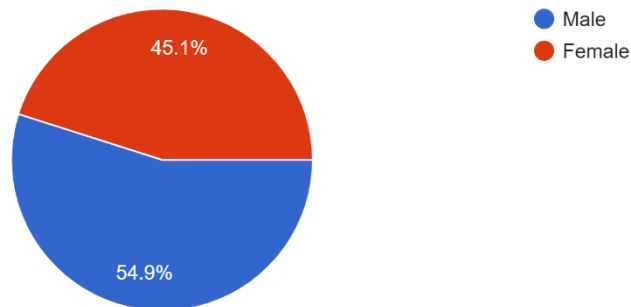
Total Number of Responses:

II Year BCA : 61

II Year BSC : 41

Gender

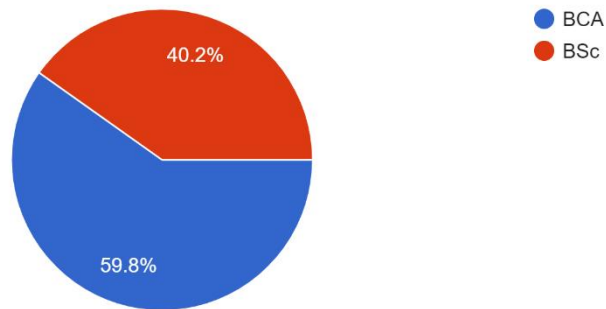
102 responses



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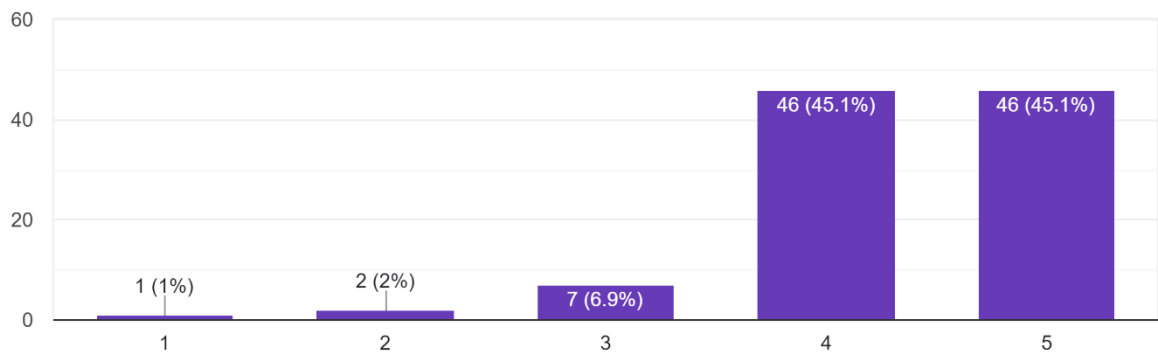
Department

102 responses



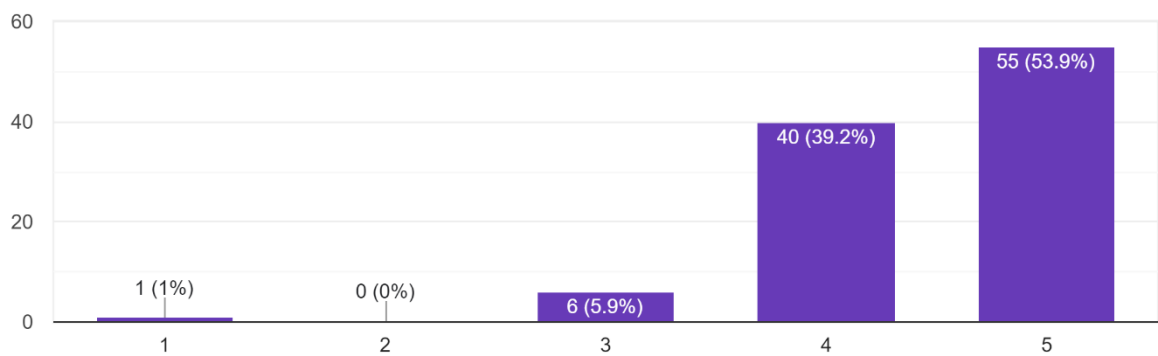
Did the workshop meet your expectations? (5 is the Maximum Rating)

102 responses



Was the content relevant to your needs?

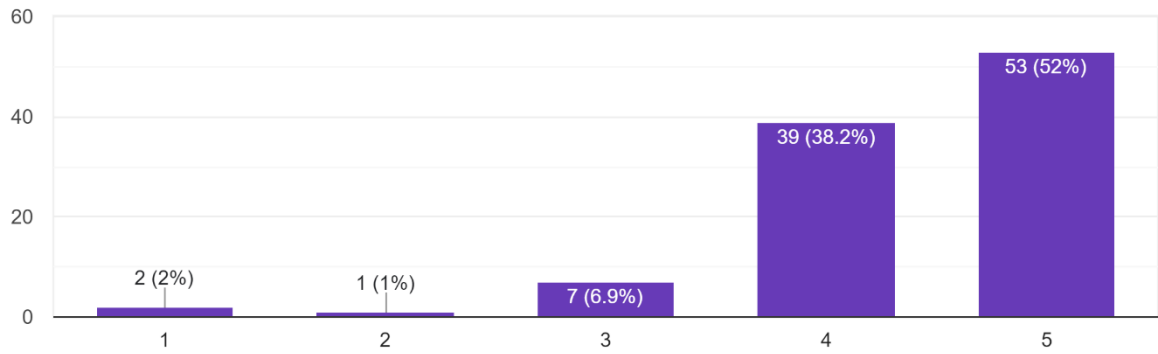
102 responses



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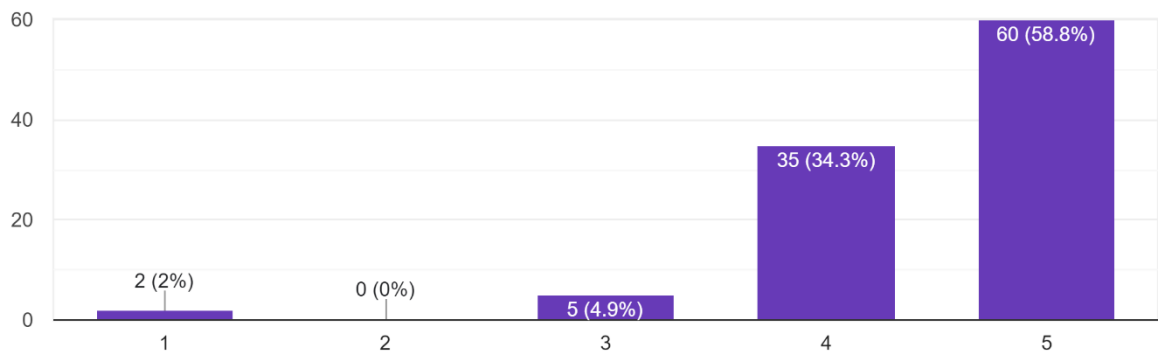
Was the workshop well-Organised?

102 responses



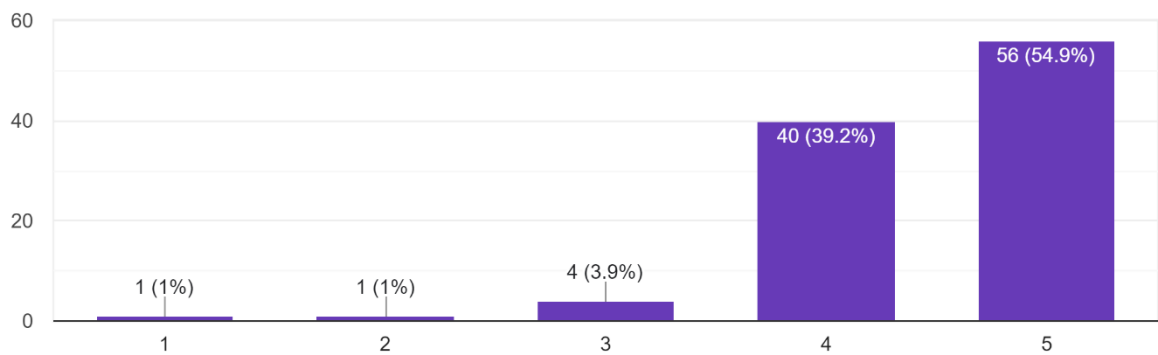
How effective was the presenter?

102 responses



How would you rate the overall session?

102 responses



- **Feedback Summary and Action Taken**

C Programming

Upon reviewing student feedback for the C Programming Add-on course, it became evident that while overall satisfaction was expressed, there were areas for improvement. To address this, forthcoming sessions will feature amplified hands-on practice, enriched learning resources, extended Q&A sessions, and a heightened emphasis on dynamic and engaging teaching methods by the trainer. These refinements aim to elevate the learning experience, offering enhanced practical application opportunities and comprehensive support. The Department of Computer Science is fully committed to incorporating these improvements in upcoming sessions to ensure a high level of overall student satisfaction.

Session Photos:





Students Enrolled Details

II Year BCA

S.N O	REGISTRATION NUMBER	STUDENT NAME
1	U19KH22S0003	ABIN SUNNY
2	U19KH22S0004	ABIN THOMAS
3	U19KH22S0005	UMME KULSUM
4	U19KH22S0006	KUSHAL N
5	U19KH22S0007	MANOJ C
6	U19KH22S0008	VINODH AM
7	U19KH22S0009	SAGAR S M
8	U19KH22S0010	NITHIYA A
9	U19KH22S0011	ALAN BOBY
10	U19KH22S0012	ASHICK ROSHAN
11	U19KH22S0013	MOHAIDEEN MUJAHITH N
12	U19KH22S0014	GANESH A
13	U19KH22S0015	RAJESH J
14	U19KH22S0016	ANUSHREE MS
15	U19KH22S0017	PRAJWAL MM
16	U19KH22S0018	ROJA S
17	U19KH22S0019	GAYANA SHREE TR
18	U19KH22S0020	THILAK S
19	U19KH22S0021	DHANUSH R
20	U19KH22S0022	DHARANI KRISHNA G

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21	U19KH22S0023	SHESHADHRI N
22	U19KH22S0024	KIRAN G
23	U19KH22S0025	SUDEEP M
24	U19KH22S0026	AMISHA NAYANA GOWDA
25	U19KH22S0027	RANJITHA PU
26	U19KH22S0028	SUMEET DEWASI
27	U19KH22S0029	SATHVIKA S
28	U19KH22S0030	NITESH GUPTA U
29	U19KH22S0031	SANTHOSH U
30	U19KH22S0032	GANESH KUMAR B
31	U19KH22S0033	RANJITH V
32	U19KH22S0034	VINAY KUMAR M
33	U19KH22S0035	MITHUN P
34	U19KH22S0036	PAVAN B
35	U19KH22S0037	SURIYA R
36	U19KH22S0038	DHANUSH D
37	U19KH22S0063	CHAITHRA M
38	U19KH22S0064	YUVARAJ RS
39	U19KH22S0065	ANUSHA M
40	U19KH22S0067	RANJITH KUMAR S
41	U19KH22S0069	SRI PRADHA S K
42	U19KH22S0070	NIROSHA G
43	U19KH22S0071	TEJESH A
44	U19KH22S0072	CHANDANI MAURYA D
45	U19KH22S0073	BOOMIKA B
46	U19KH22S0074	JANAVI S
47	U19KH22S0075	BRITHI S
48	U19KH22S0076	F ZAINAB HANEEN
49	U19KH22S0077	ROHIT KUMAR D
50	U19KH22S0094	SHIRISHA M
51	U19KH22S0096	ZOHA S
52	U19KH22S0099	ASWINI K
53	U19KH22S0101	SANTHOSH KUMAR DU
54	U19KH22S0102	KIRAN L
55	U19KH22S0103	RAKSHITHA NM
56	U19KH22S0110	KIRAN C
57	U19KH22S0111	AAKARSH J SINGH
58	U19KH22S0112	SRIVASTHAV G
59	U19KH22S0113	SAHANA M

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60	U19KH22S0116	PRAJWALSINGH SURENDAR SINGH
61	U19KH22S0119	LLOYD ANGELO JENKINS

II Year BSc

SL NO	REG NO	STUDENT NAME
1	U19KH22S0001	VANDANA K M
2	U19KH22S0002	SARIKA B
3	U19KH22S0039	LAYANA M
4	U19KH22S0040	SUPREETA S
5	U19KH22S0041	ARBIN SULTANA A
6	U19KH22S0042	S SHARMILA
7	U19KH22S0043	ANANYA.S.R
8	U19KH22S0044	VARSHA BANU
9	U19KH22S0045	VARSHA C
10	U19KH22S0046	YUVARAJ M
11	U19KH22S0047	VARSHINI M
12	U19KH22S0049	NITHYA VENKATESH
13	U19KH22S0050	LOKESH GOVINDARAJ
14	U19KH22S0051	PRAKASH KUMAR
15	U19KH22S0052	PAVAN KALYAN
16	U19KH22S0053	SRIKANTH S V
17	U19KH22S0054	S CHANDHANA
18	U19KH22S0055	SANDHYA P
19	U19KH22S0056	BHARATH S
20	U19KH22S0057	SIRISHA MANJUNATH

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21	U19KH22S0058	C M SHIVA SHANKAR VARA PRASAD
22	U19KH22S0059	ASHWINI GOVINDAPPA
23	U19KH22S0061	POOJA V
24	U19KH22S0079	LAVANYA P N
25	U19KH22S0080	SWAJAN VENKATAGIRI
26	U19KH22S0082	MAKESH JEYABAL
27	U19KH22S0084	MAGASWETHA LAKSHMANAN
28	U19KH22S0085	MADHAN VENKATESHREDDY
29	U19KH22S0086	MANOJ NAGARAJ
30	U19KH22S0087	S.RAMYA
31	U19KH22S0088	THEJASREE MURALI
32	U19KH22S0089	PRAVEENKUMAR NAGARAJ
33	U19KH22S0090	SRIVINAY VENKATESH
34	U19KH22S0091	PAVATHARINI V M
35	U19KH22S0092	SANJAY V
36	U19KH22S0093	NANDHAGOPAL KRISNAPPA
37	U19KH22S0095	M TEJA
38	U19KH22S0097	S AMRUTHA
39	U19KH22S0098	RANJITHKUMAR MUNIRAJ
40	U19KH22S0104	MOHAMMED UMAR KHAN
41	U19KH22S0105	PRAVEEN VENKATACHALAM
42	U19KH22S0106	LIKITHA P
43	U19KH22S0117	THARUN N

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Certificate Copy: (Attached)