B.M.S.COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
&
DEPARTMENT OF INDUSTRIAL ENGINEERING & MANAGEMENT

Value Added Course on

"C Programming"
REPORT

1. Introduction

Department of Computer Science and Engineering and Department of Industrial Engineering and Management conducted value added course on "C Programming" from 26th, June 2019 to 11th July, 2019 (duration of 13 days). The organizer of the session is Dr. Kayarvizhy (Associate Professor of Dept. of Computer Science & Engineering). The sessions were conducted by Mrs. Antara Roy Choudhary (Assistant Professor of Dept. of Computer Science Engineering) and Mrs. Nitya N. Kulkarni (Assistant Professor of Dept. of Computer Science and Engineering). A total of 13 students who belong to Mechanical department and IEM department of 4th year attended the course for all days.

2. Objective of the Course

To help students improve their C programming skills and also to help develop logic for the given problem. It will help students to face placement.

3. Outcome of the Workshop

Students will be able to develop C programs for the given problem.

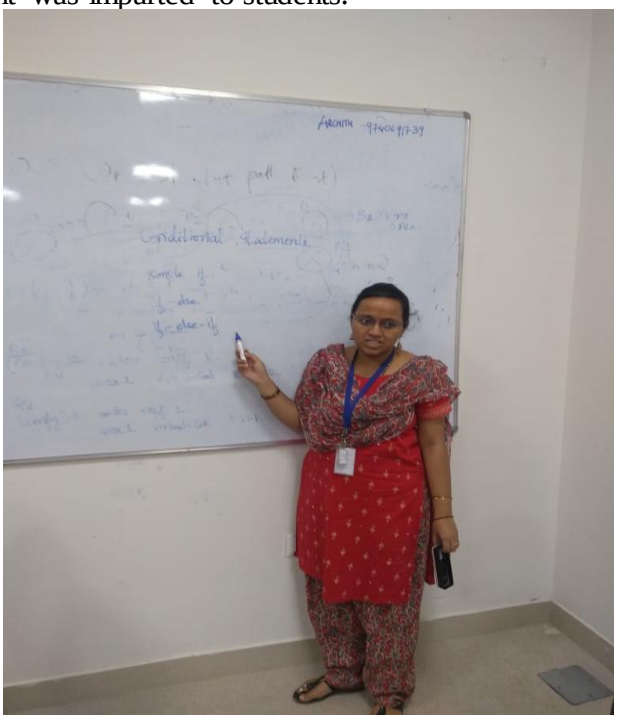
4. Schedule of the Workshop

Days	Date	Time	Topic
Day -1	26.06.2019	1:30-4 p.m.	Basic concepts in a C program, Declaration, Assignment & Print statements, Data Types, operators and expressions etc, Programming examples and exercise.
Day -2	27.06.2019	1:30-4 p.m.	Two way selection (if, if-else, nested if-else, cascaded if-else), switch statement, ternary operator? Go to
Day -3	28.06.2019	1:30-4 p.m.	Loops (For, while-do, do-while) in C, break and continue, Programming examples and exercises
Day -4	29.06.2019	9:30 a.m. -12 p.m.	Functions in C, Argument Passing – call by value, call by reference, void and parameter less Functions, Programming exercises
Day -5	01.07.2019	1:30-4 p.m.	Recursion, Using an array, Using arrays with Functions
Day -6	02.07.2019	1:30-4 p.m.	Multi-Dimensional arrays, Operations on matrices
Day -7	03.07.2019	1:30-4 p.m.	String: Declaring, Initializing, Printing and reading strings, string manipulation functions, String input and output functions
Day -8	04.07.2019	1:30-4 p.m.	Pointers and address, pointers and functions (call by reference) arguments, pointers and arrays,
Day -9	05.07.2019	1:30-4 p.m.	Address arithmetic, Dynamic memory allocations methods
Day -10	06.07.2019	9:30 a.m. - 12 p.m.	Introduction to data structures
Day -11	09.07.2019	10 am – 12 pm	Placement training on C
Day -12	10.07.2019	10 am – 12 pm	Placement training on C
Day -13	11.07.2019	10 am – 12 pm	Placement training on C

The method of instruction followed for most of the sessions is activity based wherein students had to execute the programs which were instructed to understand them properly.

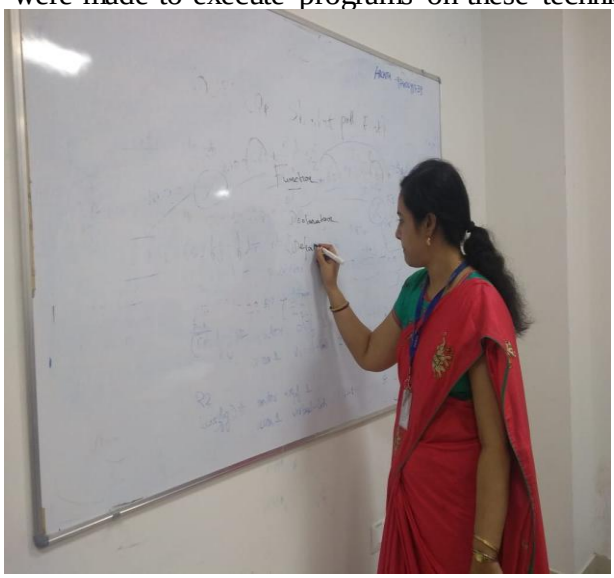
Day 1: Information about basic concepts of the C programming language such as structure of C programs, usage of different data types and their variables followed by usage of operators with the variables was imparted to students.

Day 2: The session started with revision on previous session involving solving some problems on the concepts. Information on decision control statements such simple if, if- else and if-else-if ladder and go to statement was imparted to students.

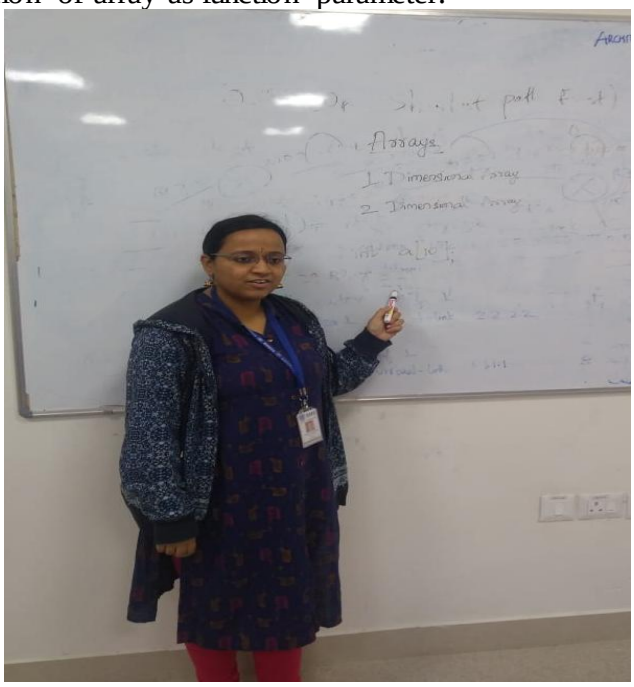


Day 3: The session started with revision on previous session involving solving some problems on the concepts. Information on loops such as while loop, do-while loop and for loop and break and continue was imparted to students. Students were made to do the programs on them and some prominent problems were solved.

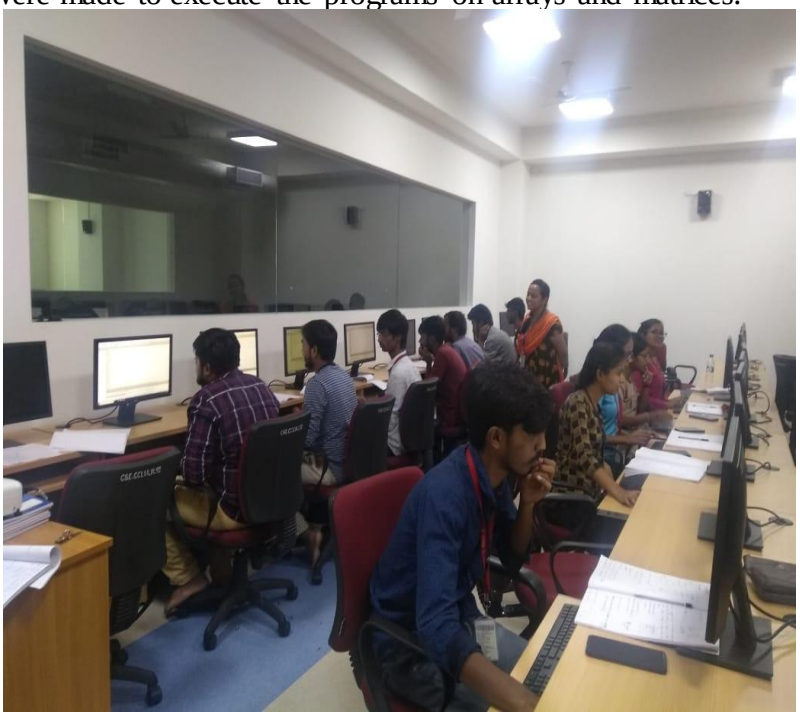
Day 4: Instruction on usage of functions in the C programming language was given to students. Also the different parameter passing techniques i.e. pass by value and pass by reference methods were discussed. Students were made to execute programs on these techniques.



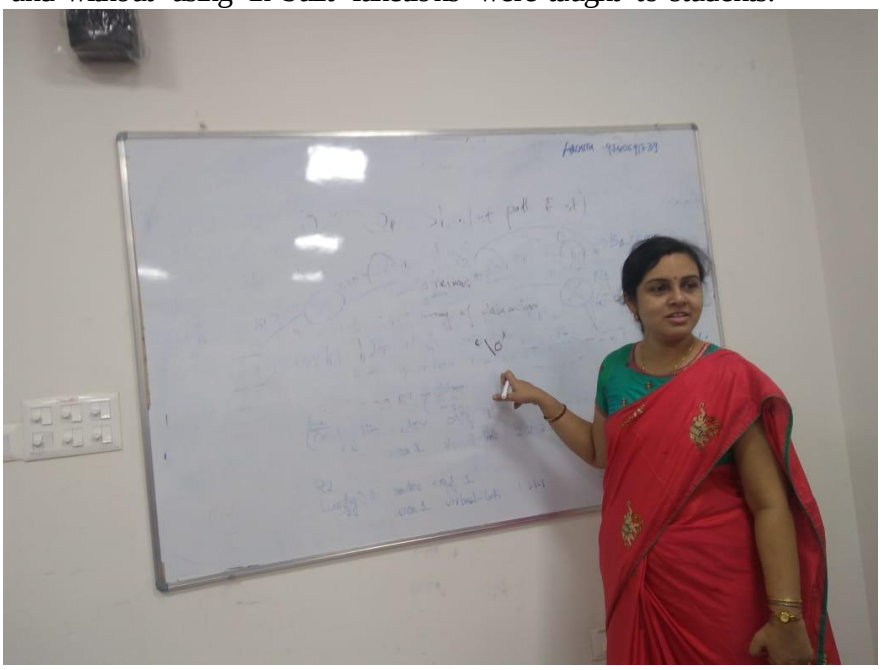
Day 5: The concept of recursion was introduced to students. Programs on some of the most prominent problems on recursion were taught to students. Followed by introduction to arrays in C which covered utilization of array as function parameter.



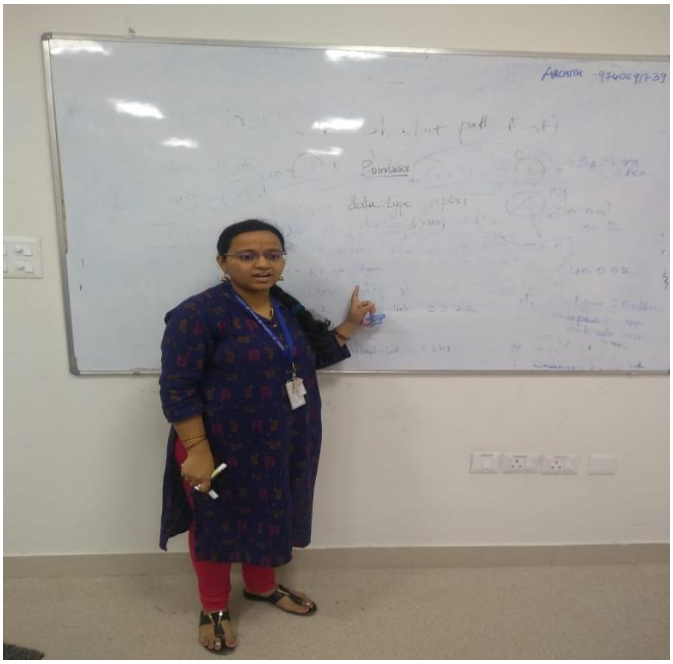
Day 6: The concepts of Matrix was instructed to students. Operations on arrays and matrix was taught. Students were made to execute the programs on arrays and matrices.



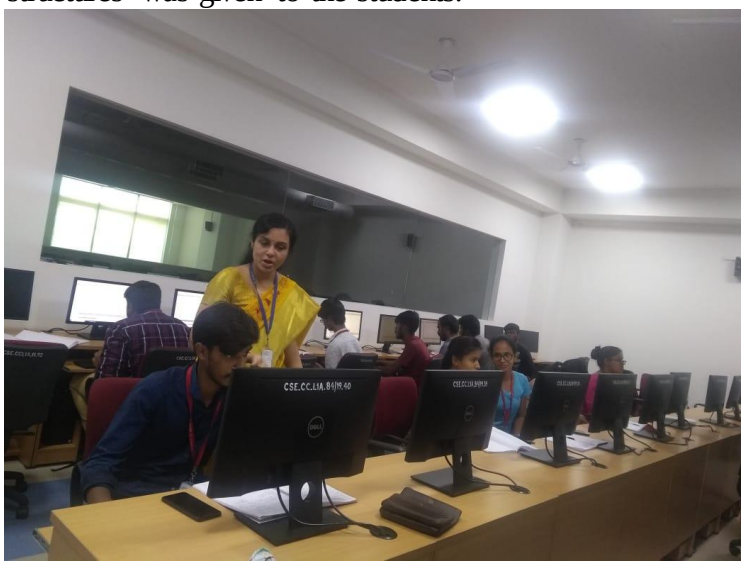
Day 7: Concept of Strings was introduced to students. Different operations on strings using in-built functions and without using in-built functions were taught to students.



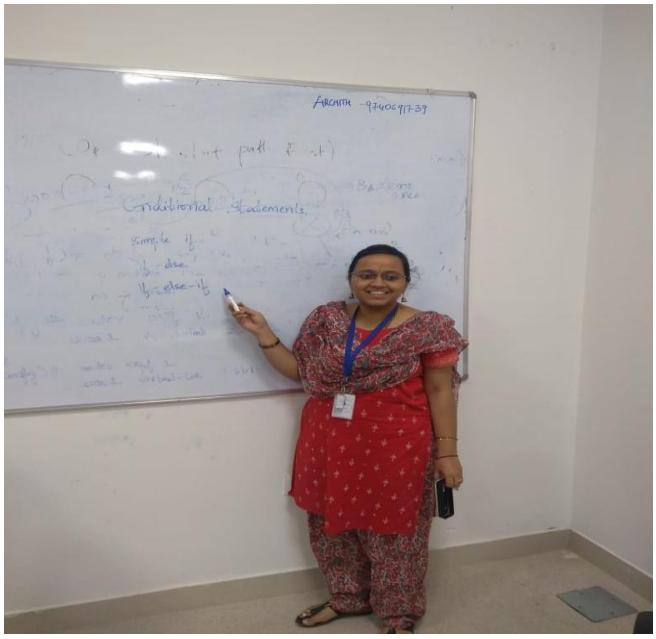
Day 8: Concept of pointers was introduced to students. Operations using pointers was taught. Usage of pointers as function parameters was told to students. Students practiced the programs on these concepts.



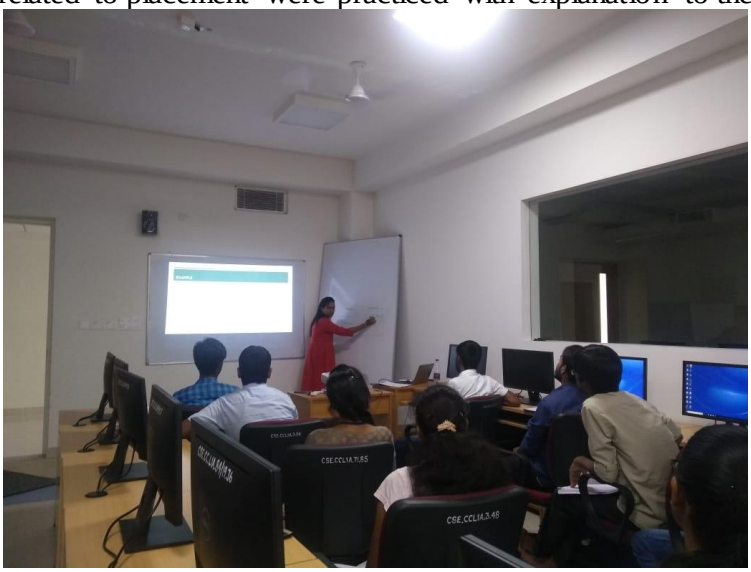
Day 9: Advanced concept in C i.e. dynamic memory allocation using pointers and little introduction to data structures was given to the students.



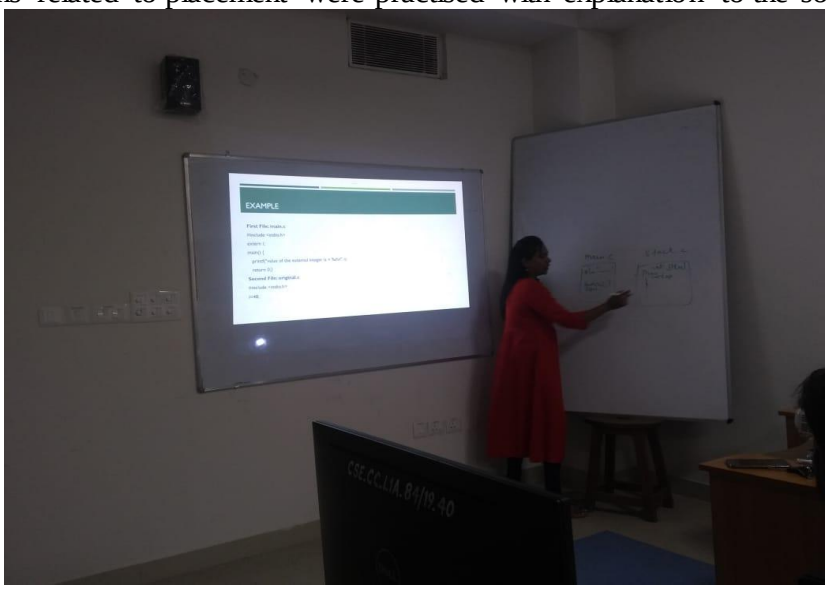
Day 10: Concepts of C were revised and some of the student's learning gaps were filled with instruction.



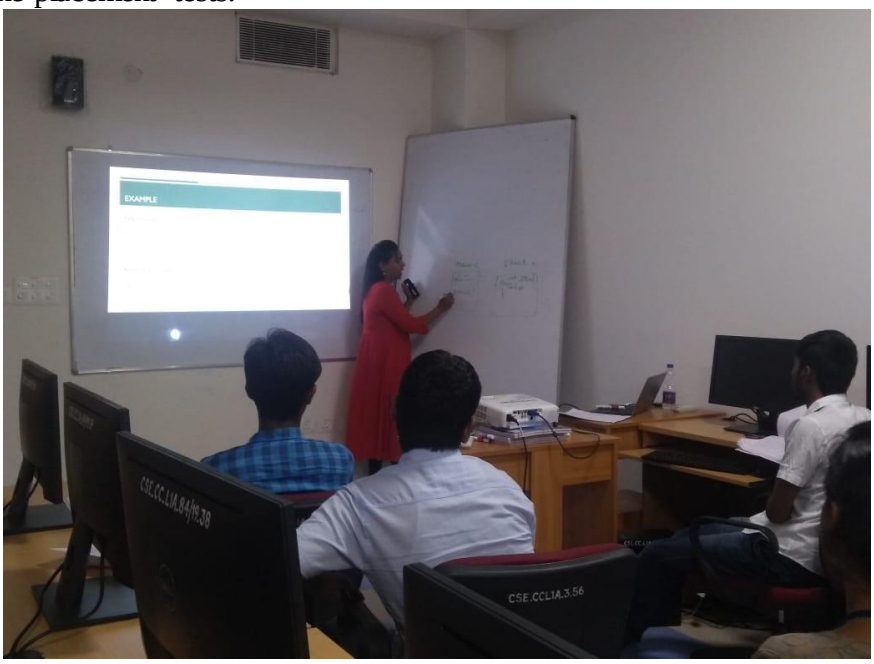
Day 11: Questions related to placement were practiced with explanation to the solutions.



Day 12: Questions related to placement were practised with explanation to the solutions.

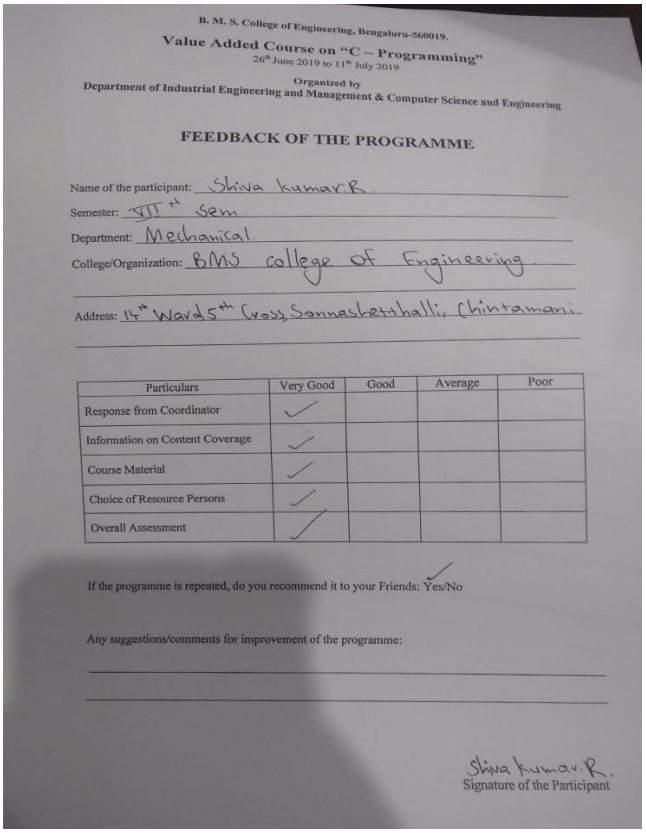


Day 13: A placement quiz was given to students for them to practice and also to make them ready to face the placement tests.



All the sessions were very interactive in nature.

6. Feedback from Students on the Workshop



B. M. S. College of Engineering, Bengaluru-560019.

Value Added Course on "C – Programming"

26th June 2019 to 11th July 2019

Organized by

Department of Industrial Engineering and Management & Computer Science and Engineering

FEEDBACK OF THE PROGRAMME

Name of the participant: Shiva kumar R.

Semester: VII th Sem.

Department: Mechanical

College/Organization: BMS college of Engineering.

Address: 14th Ward 5th Cross, Somnashettihalli, Chintamani

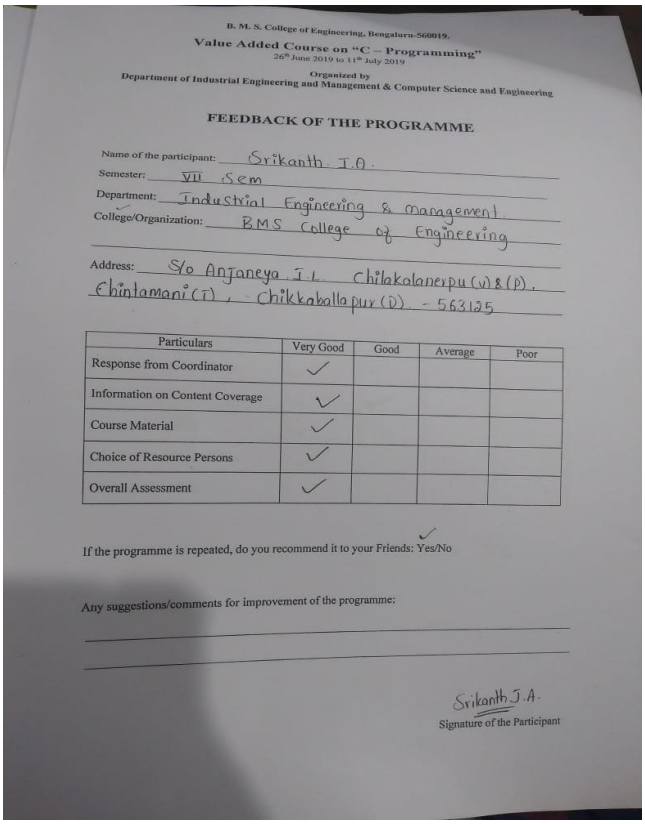
Particulars	Very Good	Good	Average	Poor
Response from Coordinator	✓			
Information on Content Coverage	✓			
Course Material	✓			
Choice of Resource Persons	✓			
Overall Assessment	✓			

If the programme is repeated, do you recommend it to your Friends: Yes/No

Any suggestions/comments for improvement of the programme:

Shiva kumar.R.

Signature of the Participant



B. M. S. College of Engineering, Bengaluru-560019.

Value Added Course on "C – Programming"

26th June 2019 to 11th July 2019

Organized by

Department of Industrial Engineering and Management & Computer Science and Engineering

FEEDBACK OF THE PROGRAMME

Name of the participant: Srikanth J.A.

Semester: VII Sem

Department: Industrial Engineering & management

College/Organization: BMS College of Engineering

Address: S/o Anjaneya J.L. Chikakalanerpu (V) & (P), Chintamani (T), Chikkaballapur (D) - 563125

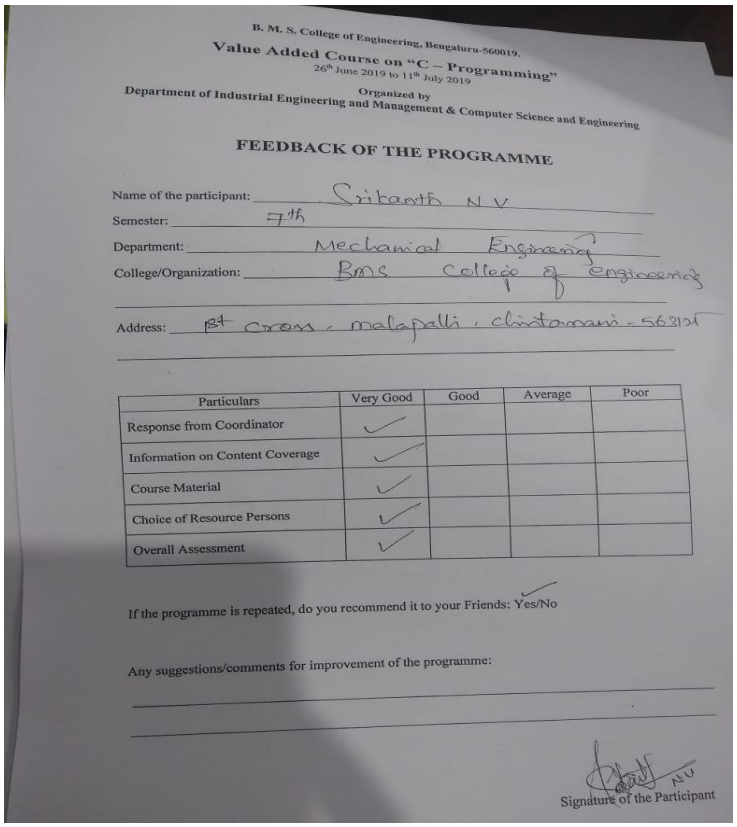
Particulars	Very Good	Good	Average	Poor
Response from Coordinator	✓			
Information on Content Coverage	✓			
Course Material	✓			
Choice of Resource Persons	✓			
Overall Assessment	✓			

If the programme is repeated, do you recommend it to your Friends: Yes/No

Any suggestions/comments for improvement of the programme:

Srikanth J.A.

Signature of the Participant



B. M. S. College of Engineering, Bengaluru-560019.

Value Added Course on "C – Programming"

26th June 2019 to 11th July 2019

Organized by

Department of Industrial Engineering and Management & Computer Science and Engineering

FEEDBACK OF THE PROGRAMME

Name of the participant: Srikanth N V

Semester: 7th

Department: Mechanical Engineering

College/Organization: BMS College of Engineering

Address: 1st Cross, malapalli, chintamani - 563125

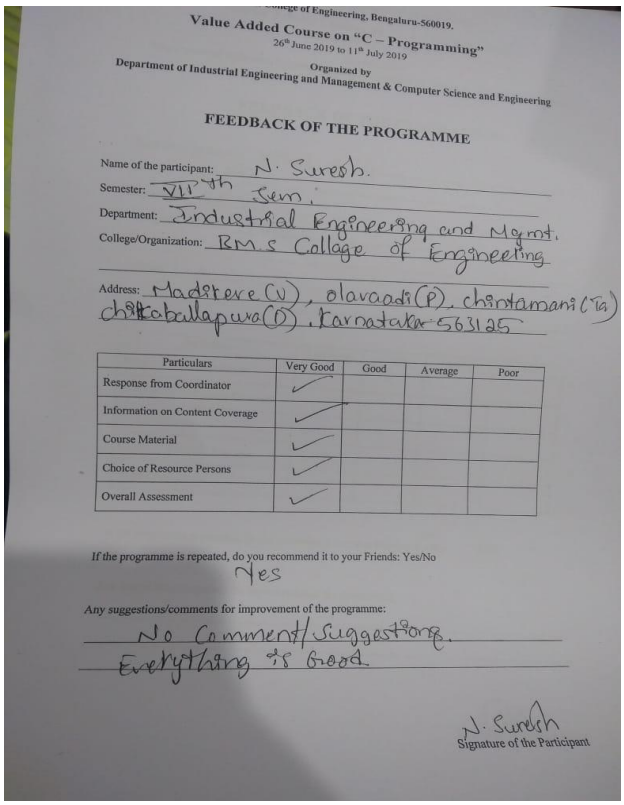
Particulars	Very Good	Good	Average	Poor
Response from Coordinator	✓			
Information on Content Coverage	✓			
Course Material	✓			
Choice of Resource Persons	✓			
Overall Assessment	✓			

If the programme is repeated, do you recommend it to your Friends: Yes/No

Any suggestions/comments for improvement of the programme:

NV

Signature of the Participant



Value Added Course on "C – Programming"

26th June 2019 to 11th July 2019

Organized by

Department of Industrial Engineering and Management & Computer Science and Engineering

FEEDBACK OF THE PROGRAMME

Name of the participant: N. Suresh.

Semester: VII 7th Sem.

Department: Industrial Engineering and Mgmt.

College/Organization: BMS College of Engineering

Address: Madarere (V), olavadi (P), chintamani (Tq) chikkaballapura (D), Karnataka-563125

Particulars	Very Good	Good	Average	Poor
Response from Coordinator	✓			
Information on Content Coverage	✓			
Course Material	✓			
Choice of Resource Persons	✓			
Overall Assessment	✓			

If the programme is repeated, do you recommend it to your Friends: Yes/No

Yes

Any suggestions/comments for improvement of the programme:

No Comment/Suggestions.
Everything is Good.

N. Suresh

Signature of the Participant

7. Participants List

Sl. No.	Name	Department
1	Shreeraksha G. S.	IEM
2	N. Vanitha Singh	IEM
3	Syed Ibrahim	IEM
4	Srikanth J. A.	IEM
5	Anusha G.	IEM
6	Gangamani	IEM
7	Prem Kumar A	IEM
8	Madhu H.	IEM
9	N. Suresh	IEM
10	Vitthal G. G.	IEM
11	Rajath G.	Mechanical
12	Shiva Kumar	Mechanical
13	Srikanth N. V.	Mechanical

BMS COLLEGE OF ENGINEERING, BANGALORE-19
(Autonomous College under VTU)

Attendance for C Programming Workshop

Sl No	USN	NAME	27-6-19	28-6-19	29-6-19	1-7-19	2-7-19	3-7-19	4-7-19	5-7-19	6-7-19	8-7-19	9-7-19	10-7-19	11-07-2019
1	1BM16IM037	Gangamani M													
2	1BM16IM006	ANUSHA.G													
3	1BM16IM033	N. Vanitha													
4	1BM16IM049	Shreyakka G.C													
5	1BM16IM000	Mithal. G. G													
6	1BM17IM410	Srikanth. J.N													
7	1BM17ME431	Srikanth N.V													
8	1BM17ME419	Rajath. G													
9	1BM17ME429	Shiva Kumar R.													
10	1BM17IM413	N. Suresh													
11	1BM17IM401	Madhu G													
12	1BM16IM033	Prem Kumar A													
13	1BM16IM053	Syed Ibrahim A													
14	1BM[illegible]	Mithal G G													
15															

8. Certificate

B.M.S. College of Engineering, Bengaluru-560019.

(Autonomous Institution Affiliated to VTU, Belagavi)

Department of Computer Science and Engineering

&

Department of Industrial Engineering and Management

Value Added Course on "C Programming"

26th June 2019 to 11th July 2019

CERTIFICATE

This is to certify that Mr./Ms. _____

of _____ has successfully participated in the **Value Added Course on "C Programming"**, from 26th June 2019 to 11th July 2019, organized by the **Department of Computer Science and Engineering** in association with **Department of Industrial Engineering and Management, B.M.S. College of Engineering, Bengaluru - 560019.**

Dr. Umadevi V.	Dr. B. Ramesh Nayak	Dr. B. V. Ravishankar
HOD, CSE	HOD, IEM	Principal