



Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa

C programming

[2 Credits 30 hours]

Course Objective:

C is a general purpose, imperative computer programming language, supporting structured programming, lexical variable scope and recursion. This course introduces various programming constructs that are needed to lay a basic foundation of programming fundamental into students.

Learning Outcome:

The students will be able to design solutions to mathematical problems and programme them using the C language.

Course Contents

1. Getting Started: What is C, Getting Started with C, The C Character Set, Constants, Variables and Keywords, Types of C Constants, Rules for Constructing Integer Constants, Rules for Constructing Real Constants, Rules for Constructing Character Constants, Types of C Variables, Rules for Constructing Variable Names, C Keywords, The First C Program, Compilation and Execution(5)
2. The Decision Control Structure : Decisions! Decisions!, The if Statement, The Real Thing. Multiple Statements within if, The if-else Statement, Nested if-elses, Forms of if, Use of Logical Operators, The else if Clause, The ! Operator, The conditional operator(5)
3. The Loop Control Structure: Loops, The while Loop, Tips and Traps, More Operators. The for Loop, Nesting of Loops, Multiple Initialisations in the for Loop, The Odd Loop. The break Statement, The continue Statement, The do-while Loop(4)
4. The Case Control Structure: Decisions Using switch, The Tips and Traps, switch Versus if-else Ladder, The goto Keyword(2)
5. Functions: Why Use Functions, Passing Values between Functions, Scope Rule of Functions Calling Convention, One Dickey Issue, Advanced Features of Functions, Function Declaration and Prototypes, Call by Value and Call by Reference, An Introduction to Pointers, Pointer Notation Back to Function Calls, Recursion, Recursion and Stack, Adding Functions to the Library(5)
6. The C Preprocessor :Features of C Preprocessor, Macro Expansion, Macros with Argument Macros versus Functions, File Inclusion(2)
7. Arrays: What are Arrays, A Simple Program Using Array, More on Arrays, Array Initialization Bounds Checking, Passing Array Elements to a Function, Pointers and Arrays, Passing an Entire Array to a Function, The Real Thing, Two Dimensional Arrays, Strings, Standard Library String Functions strlen(), strcpy(), strcat(), strcmp()(4)
8. Structures: Why Use Structures, Declaring a Structure, Accessing Structure Elements, How Structure Elements are Stored (3)

Reference: 1) Yashwant Kanetkar, Let us C

Ms. Shilpa Naik

Dempo Charities Trust
Dhempe College of Arts & Science
 Miramar - Goa.

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

of the Course : C

Topic : C PROGRAMMING

T.Y. B.Sc BIO-TECH

Batch : I

Lecture No.	1	2	3	4	5	6	7	8	
Date:-	20/7/17	27/7/17	29/7/17	30/8/17	30/8/17	6/9/17	13/9/17	20/9/17	
Time:-	12-1	12-1	12-1	10-11	11-12	11:30-12:30	11:30-12:30	11:30-12:30	
Roll no.	Name of Student								
253	Vedika Desai	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
254	Blossom Fernandes	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
255	Walexiano Godinho	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
256	Harshita Chopra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
257	Bhagat Kumarani	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
260	Mahesh Shivacharanappa	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
261	Meera Prasad	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
265	Antara Prabhu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
266	Germany Sinari	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
267	Pooja Bhubhara	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
268	Ravishata Khajuria	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
270	Ayanisha Shankhag	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
271	Shannen Fortes	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

Signature of the Teacher : LAVINA D'SILVA *[Signature]*

HOD Annie *[Signature]*

Dhempe College of Arts & Science

Miramat - Goa

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : C

Topic : C

Class : F.Y.B.Sc. BJI - Tech

Batch : I

Lecture No.	1	2	3	4	5	6	7	8	9	10
Date:-	26/7/17	27/7/17	28/7/17	29/7/17	30/7/17	31/7/17	1/8/17	2/8/17	3/8/17	4/8/17
Time:-	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1	10-1
Roll no.	Name of Student									
1001	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish
1002	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish
1003	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish	Manish

Manish

HOD *Manish* *Annie Raj*

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **C**

Topic : C PROGRAMMING

Class :- T.Y. BSC BIO-TECH

Batch :- I

Lecture No.	11	12	13	14	15	16	17	18	19	20
Date:-	13/11/17	13/11/17	14/11/17	14/11/17	16/11/17	16/11/17	17/11/17	17/11/17	18/11/17	18/11/17
Time:-	9:00-10:00	10:00-11:00	1:00-2:00	2:00-3:00	9:00-10:00	10:00-11:00	9-10	10-11	9-10	10-11
Roll no.	Name of Student									
16253	vedika Desai	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>	<i>Rika</i>
16254	Blossom Fernandes	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>	<i>Blossom</i>
16255	vedixian Godhino	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>	<i>vedixian</i>
16256	Harehita Chopra	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>	<i>Harehita</i>
16257	Ahagesh Kurokanti	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>	<i>Ahagesh</i>
16260	Naksh Shivsharanappa	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>	<i>Naksh</i>
16261	Nareca Prasad	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>	<i>Nareca</i>
16265	Antara Prabha	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>	<i>Antara</i>
16266	Gaurang Sinasi									
16267	Pooja Prabhudesai	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>	<i>Pooja</i>
16268	Raxhabe Khajuria	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>	<i>Raxhabe</i>
16270	Aranha Shanbhag	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>	<i>Aranha</i>
16271	Shannen Foster	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>	<i>Shannen</i>

Name & Signature of the Teacher LAVINA D'SILVA

HOD Annie Raj
11/12/17

Dempo Charities Trust
Dhempe College of Arts & Scienc.
 Miramar - Goa.

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **C**

Class :- **T.Y. B.Sc Bio-TECH**

Topic: **C PROGRAMMING**
 Batch: **F**

Lecture No.	11	12	13	14	15	16	17	18	19	20
Date:-	13/11/17	13/11/17	14/11/17	14/11/17	16/11/17	16/11/17	17/11/17	17/11/17	18/11/17	18/11/17
Time:-	9:00-10:00	10:00-11:00	1-2	2-3	9:00-10:00	10:00-11:30	9-10	10-11	9-10	10-11
Roll no.	Name of Student									
16314	Wanshali Marathe									
16319	Hemal Shaiikh									
16321	Shareeni Sharma									

Name & Signature of the Teacher **LAVINA D'SILVA** *Lavina D'silva*

HOD **Annie Raj's**
Annie Raj's
 11/2/17

Dempo Charities Trust
Dhempe College of Arts & Science

Miramar - Goa.

Academic Year : 2017 - 18

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **C**

Topic : C PROGRAMMING

Class :- F.Y.B.Sc

Batch:- II

Lecture No.	1	2	3	4	5	6	7	8	9	10
Date:-	02/11/17	05/11/17	05/11/17	07/11/17	09/11/17	10/11/17	10/11/17	11/11/17	11/11/17	13/11/17
Time:-	1:00-2:00	9:00-10:00	10:00-11:00	9:00-10:00	10:00-11:00	9:00-10:00	10:00-11:00	9:00-10:00	10:00-11:00	11:00-12:00
Roll no.	Name of Student									
17149	Tarmayee Nasirud Din									
17135	Prayarla Desai									
17004	Shwari Chari									
17036	Ankita Pawar									
17040	Samridha Sawant									
17002	Shannia Agawade									
17006	Siddhesh Nimmatkar									
17192	Kavayashree Naik									
17134	Tanusha Chanchu									

Name & Signature of the Teacher Laura D Silva
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HOD Annie Rajs
 11/12/17

Lecture No.	Date:-	Time:-	Roll no.	Name of Student
11	13/11/17	12:00-1:00	1719	Tanvisha Narayan
12	14/11/17	10:00-11:00	17157	Nayasha Naik
13	15/11/17	10:00-11:00	17135	Pragya Anasai
14	16/11/17	12:00-1:00	17004	Shivani Chauri
15	17/11/17	12:00-1:00	17036	Ankita Patil
16	18/11/17	10:30-11:30	17040	Samriddha Sawant
17	19/11/17	11:30-12:30	17002	Shravan Agardis
18	20/11/17	11:00-12:00	17206	Siddhesh Narayan
19	17/11/17	12:00-1:00	17192	Kaushik Naik
20	17/11/17	12:00-1:00	17134	Tanvisha Chaudhary



**Dempo Charities Trust's
Dhempe College of Arts and Science
Panaji, Goa**

Report of Value-added courses held in the academic year 2017-2018

Department: **Computer Science**

I. Name of the Course: **PHP & MYSQL**

No. of students: **18**

Fees: **Rs.1500/-**

Resource Person: **Mr. Senon S. De Souza**

Co-ordinator: **Mr. Senon S. De Souza**

Duration: (Dates) From **01/08/2017 to 13/03/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

II. Name of the Course: **Blender**

No. of students: **18**

Fees: **Rs.1500/-**

Resource Person: **Mrs. Shilpa Naik**

Co-ordinator: **Mrs. Shilpa Naik**

Duration: (Dates) From **25/09/2017 to 20/02/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

III. Name of the Course: **C++**

No. of students: **17**

Fees: **Rs.1000/-**

Resource Person: **Mrs. Shilpa Naik**

Co-ordinator: **Mrs. Shilpa Naik**

Duration: (Dates) From **01/07/2017 to 29/08/2017 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled** Name of the Course: **Hadoop**

IV. Name of the Course: **Hadoop**

No. of students: **17**

Fees: **Rs.1000/-**

Resource Person: **Ms Teja Kundaikar**

Co-ordinator: **Ms Teja Kundaikar**

Duration: (Dates) From **4/12/2017 to 28/02/2018 (40 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Not Issued**

Bills: Settled/Not settled **Not settled**

V. Name of the Course: **C Programming**

No. of students: **16**

Fees: **Rs.1000/-**

Resource Person: **Ms Lavina De Silva**

Co-ordinator: **Mrs. Annie Rajan**

Duration: (Dates) From **20/7/2017 to 18/11/2017 (20 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Issued**

Bills: Settled/Not settled **settled**

VI. Name of the Course: **C Programming**

No. of students: **10**

Fees: **Rs.1000/-**

Resource Person: **Ms Lavina De Silva**

Co-ordinator: **Mrs. Annie Rajan**

Duration: (Dates) From **12/8/2017 to 17/11/2017 (20 contact hours)**

Attendance Record: Maintained/Not Maintained **Maintained**

Certificates: Issued/Not issued **Issued**

Bills: Settled/Not settled **settled**

Handwritten:
5/4/18
Ms Shilpa Naik
Incharge, Comp Sci.