


Shahid Virpatni Laxmi Mahavidyalaya, Titave  
Tal - Radhanagari Dist - Kolhapur

Program Report  
Department of Computer Science

Short term Program on "Advance 'C' Programming"

<b>Date of Activity</b>	23 <sup>rd</sup> May 2022 to 28 <sup>th</sup> May 2022	Time: 09.00am-03.00pm
<b>Venue of Activity</b>	(Offline) SVLM College, Titave.	
<b>Objectives</b>	To understand Derive solutions for the given problems using decision making and branching concepts To utilize the best of the inbuilt functions for various input and output operations with implement the concept of arrays.	
<b>Activity Coordinators</b>	Mr. Sagar V. Shetage.	
<b>Name of Teacher</b>	Mr. Sagar V. Shetage, Ms. Rutuja T. Ranmale, Mrs. Sanyogita Warke.	
<b>Speaker</b>	Mr. M. S. Bhandigre, Mr. S. G. Swami.	
<b>Topics covered</b>	<ul style="list-style-type: none"><li>➤ Introduction to 'C', Console IO Operations, Operators and Expressions.</li><li>➤ Control flow statements working with arrays.</li><li>➤ Basics of stack and queue</li></ul>	
<b>Attendees</b>	Faculty Members along with 23 Computer Science students	
<b>Value of "Advance 'C' Programming"</b>	C is still used extensively in fields where performance matters more than ease of development. While C may be harder to learn than Python or JavaScript, it can be worth the effort to gain skills for building software for constrained devices. The efficiency of C provides unique benefits in the right application domain.	
<b>Photograph</b>		
	Guest deliver some knowledge about Console IO Operations	

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.



Shahid Shikshan Prasarak Mandal, Titave's  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA**

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 2021-22/CS/37

DATE : 14/05/2022

To,  
The Principal,  
Shahid Virpatni Laxmi Mahavidyalaya,  
Titave

**Sub:** Seeking Permission for Conducting Short term Program.

Respected Sir,

We are planning to conduct Short term Program on "Advance 'C' Programing".  
The program is scheduled from 23<sup>rd</sup> May 2022 to 28<sup>th</sup> May 2022. I kindly request you to  
give permission for conducting this program.

Thanking You.

Your's faithfully,

Permitted.  
[Signature]  
14/5

[Signature]  
HOD  
Head  
Department Of  
Computer Science



Shahid Shikshan Prasarak Mandal, Titave's  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA**

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 20 21-22/CS/38A

DATE: 21/05/2022

To,  
Mr. M. S. Bhandigre,  
Assistant Professor,  
S. G. M. College,  
Gadhinglaj

**Subject:** Invitation for conduct Short term Program on "Advance 'C' Programming".

Dear Sir,

We are very happy to inform you that our institute Shahid Virpatni Laxmi Mahavidyalaya, Titave is going to organize Short term Program on "Advance 'C' Programming". The main focus of the topic is **Basics & advance techniques of 'C' Programming** and also to aware about the importance, usages, and setbacks of the above-mentioned topic.

The program is scheduled from form 23<sup>rd</sup> May 2022 to 28<sup>th</sup> May 2022, at 09.00 am to 03.00 pm. We are eagerly waiting for your confirmation.

Thanks and regards.

*Received*  
*ASB*  
  
F. HOD  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.





Shahid Shikshan Prasarak Mandal, Titave's  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA**

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.-: 2021-22/CS/38B

DATE : 21 / 05 / 2022

To,  
**Mr. S. G. Swami,**  
 Assistant Professor,  
 S. G. M. College,  
 Gadinglaj

**Subject:** Invitation for conduct Short term Program on "Advance 'C' Programming".

Dear Sir,

We are very happy to inform you that our institute Shahid Virpatni Laxmi Mahavidyalaya, Titave is going to organize Short term Program on "Advance 'C' Programming". The main focus of the topic is **Basics & Advance Techniques of 'C' Programming** and also to aware about the importance, usages, and setbacks of the above-mentioned topic.

The program is scheduled from **23<sup>rd</sup> May 2022 to 28<sup>th</sup> May 2022**, at **09.00 am to 03.00 pm**. We are eagerly waiting for your confirmation.

Thanks and regards.

*Received  
 S. G. Swami*

*S. G. Swami*  
 HOD  
 Department Of  
 Computer Science



*[Signature]*  
 Principal  
 Principal

Shahid Virpatni Laxmi Mahavidyalaya  
 Titave, Tal. Radhanagari, Dist. Kolhapur.

# SHAHID VIRPANTI LAXMI MAHAVIDYALAYA, TITAVE

## Department Of Computer Science

Date- 18<sup>th</sup> May 2022

### Notice

All the students are hereby informed that, Department of Computer Science is going to organize Short term Program on “Advance ‘C’ Programming.” The program will conducted from 23<sup>rd</sup> May 2022 to 28<sup>th</sup> May 2022. Kindly submit your entries to your class teachers.

Time – 09.00 am to 03.00 pm

F.Y. BCA - *[Signature]*

*[Signature]*  
HODd  
Department Of  
Computer Science



*[Signature]*  
Principal  
Shahid Virpanti Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur

## Registration

Shahid Virpatni Laxmi Mahavidyalaya, Titave

Department of Computer Science

Academic Year 2021-22


Short term Program on

“Advance ‘C’ Programming”

Sr. No.	Student Name	Sign
1.	BAMANE SWATI RAJARAM	S.R.B
2.	BHORE KUSUM RAMCHANNRA	Rk.Bhore
3.	GOUD PRAJAKTA SATAPPA	PSGoud
4.	JADHAV NISHA GUNDOPANT	N.G.J
5.	KAMBLE SUPRIYA KASHINATH	skkamble
6.	KAMBLE VAISHNAVI VIJAY	vkamble
7.	KESARKAR TANUJA PANDURANG	T.P.k
8.	KUDALE HARSHA HINDURAO	H.H.K...
9.	LONDHE PRATIKSHA PAMDURANG	LondhePP.
10.	MORE KARINA RAJU	KRMORE
11.	PARIT TEJASHRI BHIKAJI	TBPoit.
12.	SABALE PRANALI BABASAHEB	PS
13.	SAVANT PRANITA PRAKASH	PPS
14.	TIRALE SANIKA DATTATRAY	STirale
15.	DESAI SAMRUDDHI DEEPAK	S.D.D
16.	MALI SONALI BHIMRAO	S.Mali.
17.	HIRUGADE MAYA KRISHNAT	M.K.H
18.	SHINDE SANDHYARANI GUNDU	S.Shinde
19.	PATIL VRUSHALI SANJAY	VSPatil.

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.



# Shahid Virpatni Laxmi Mahavidyalaya, Titave

## Department of Computer Science

Academic Year 2021-22

Short term Program on

“Advance ‘C’ Programming”

Schedule: 23<sup>rd</sup> to 28<sup>th</sup> May 2022, 09:00 Am to 3:00 Pm

### Syllabus

Sr. No.	DATE	TOPIC TO DISCUSS
1.	23/05/2022	<b>Introduction to ‘C’</b> Introduction and First Program, Why Programming, History of C Language, Hello World Program, Variables and Data types.
2.	24/05/2022	<b>Console IO Operations, Operators and Expressions</b> Printf and Scanf, Unformatted IO Functions , Operators and Expressions, Expressions and Arithmetic Operators,
3.	25/05/2022	Relational and Logical Operators, Bitwise Operators. <b>Control flow statements working with arrays</b> If Statement, Switch Statement, Unconditional Branching using goto statement.
4.	26/05/2022	While Loop Do While Loop, For Loop, Break and Continue, Special Cases, Working with array.
5.	27/05/2022	<b>Basics of stack and queue</b> Introduction to Data Structures, Stack Using Arrays, Infix to Postfix Expressions, Queue, Queue Using Arrays.
6.	28/05/2022	<b>Practical work</b> 1. Create a temporary file using c programming. 2. Create a C program to copy one file into another file. 3. Create a C program to Add two matrices. <b>Feedback</b> <b>Test</b>

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.

# Shahid Virpatni Laxmi Mahavidyalaya, Titave

## Department of Computer Science

Academic Year 2021-22

Short term Program on

"Advance 'C' Programming"

Exam



Date: 28<sup>th</sup> May 2022 Time: 09:00 Am to 3:00 Pm

### Instructions:

- A. All the questions are mandatory.
- B. Each question for 2 Marks.

### 1. Which of the following is not an operator in C?

- a) ,
- b) sizeof()
- c) ~
- d) None of the mentioned

### 2. scanf() is a predefined function in \_\_\_\_\_ header file.

- a) stdlib. h
- b) ctype. h
- c) stdio. h
- d) stdarg. h

### 3. What is meant by 'a' in the following C operation?

fp = fopen("Random.txt", "a");

- a) Attach
- b) Append
- c) Apprehend
- d) Add

### 4. What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
    int y = 10000;
    int y = 34;
    printf("Hello World! %d\n", y);
    return 0;
}
```

- a) Compile time error
- b) Hello World! 34



- c) Hello World! 1000
- d) Hello World! followed by a junk value

**5. What will happen if the following C code is executed?**

```
#include <stdio.h>
int main()
{
    int main = 3;
    printf("%d", main);
    return 0;
}
```

- a) It will cause a compile-time error
- b) It will cause a run-time error
- c) It will run without any error and prints 3**
- d) It will experience infinite looping

**6. What will be the output of the following C code?**

```
#include <stdio.h>
int main()
{
    signed char chr;
    chr = 128;
    printf("%d\n", chr);
    return 0;
}
```

- a) 128
- b) -128**
- c) Depends on the compiler
- d) None of the mentioned

**7. What will be the output of the following C code on a 64 bit machine?**

```
#include <stdio.h>
union Sti
{
    int nu;
    char m;
};
int main()
{
    union Sti s;
    printf("%d", sizeof(s));
    return 0;
}
```

- a) 8
- b) 5

c) 9

d) 4

8. What will be the output of the following C function?

```
#include <stdio.h>
enum birds {SPARROW, PEACOCK, PARROT};
enum animals {TIGER = 8, LION, RABBIT, ZEBRA};
int main()
{
    enum birds m = TIGER;
    int k;
    k = m;
    printf("%d\n", k);
    return 0;
}
```

a) 0

b) Compile time error

c) 1

d) 8

9. What will be the output of the following C code?

```
#include <stdio.h>
int const print()
{
    printf("Sanfoundry.com");
    return 0;
}
void main()
{
    print();
}
```

a) Error because function name cannot be preceded by const

b) **Sanfoundry.com**

c) Sanfoundry.com is printed infinite times

d) Blank screen, no output.

10. Will the following C code compile without any error?

```
#include <stdio.h>
int main()
{
    for (int k = 0; k < 10; k++);
    return 0;
}
```

a) Yes

b) No

c) **Depends on the C standard implemented by compilers**

d) Error

11. What will be the final value of x in the following C code?

```
#include <stdio.h>
void main()
{
    int x = 5 * 9 / 3 + 9;
}
```

- a) 3.75
- b) Depends on compiler
- c) **24**
- d) 3

12. What will be the output of the following C code? (Initial values: x= 7, y = 8)

```
#include <stdio.h>
void main()
{
    float x;
    int y;
    printf("enter two numbers \n");
    scanf("%f %f", &x, &y);
    printf("%f, %d", x, y);
}
```

- a) 7.000000, 7
- b) Run time error
- c) **7.000000, junk**
- d) Varies

13. What will be the output of the following C code considering the size of a short int is 2, char is 1 and int is 4 bytes?

```
#include <stdio.h>
int main()
{
    short int i = 20;
    char c = 97;
    printf("%d, %d, %d\n", sizeof(i), sizeof(c), sizeof(c + i));
    return 0;
}
```

- a) 2, 1, 2
- b) 2, 1, 1
- c) **2, 1, 4**
- d) 2, 2, 8



14. What is the difference between the following 2 C codes?

```
#include <stdio.h> //Program 1
int main()
{
    int d, a = 1, b = 2;
    d = a+++++b;
    printf("%d %d %d", d, a, b);
}
#include <stdio.h> //Program 2
int main()
{
    int d, a = 1, b = 2;
    d = a++ +++b;
    printf("%d %d %d", d, a, b);
}
```

- a) No difference as space doesn't make any difference, values of a, b, d are same in both the case
- b) Space does make a difference, values of a, b, d are different
- c) Program 1 has syntax error, program 2 is not
- d) Program 2 has syntax error, program 1 is not**

15. What will be the output of the following C code snippet?

```
#include <stdio.h>
void main()
{
    1 < 2 ? return 1: return 2;
}
```

- a) returns 1
- b) returns 2
- c) Varies
- d) Compile time error.**

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kothapur.

## Assessment

Shahid Virpatni Laxmi Mahavidyalaya, Titave

Department of Computer Science

Academic Year 2021-22

Short term Program on

“Advance ‘C’ Programming”

Sr. No.	Student Name	Marks
1.	BAMANE SWATI RAJARAM	22
2.	BHORE KUSUM RAMCHANNDR	20
3.	GOUD PRAJAKTA SATAPPA	18
4.	JADHAV NISHA GUNDOPANT	18
5.	KAMBLE SUPRIYA KASHINATH	20
6.	KAMBLE VAISHNAVI VIJAY	22
7.	KESARKAR TANUJA PANDURANG	22
8.	KUDALE HARSHA HINDURAO	20
9.	LONDHE PRATIKSHA PAMDURANG	AB
10.	MORE KARINA RAJU	20
11.	PARIT TEJASHRI BHIKAJI	22
12.	SABALE PRANALI BABASAHEB	20
13.	SAVANT PRANITA PRAKASH	25
14.	TIRALE SANIKA DATTATRAY	22
15.	DESAI SAMRUDDHI DEEPAK	22
16.	MALI SONALI BHIMRAO	20
17.	HIRUGADE MAYA KRISHNAT	18
18.	SHINDE SANDHYARANI GUNDU	18
19.	PATIL VRUSHALI SANJAY	20

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.

**Shahid Shikshan Prasark Mandal's Titave**  
**Shahid Virpatni Laxmi Mahavidyalaya Titave**  
 Acadimic Year 2021-22  
 Attendance Sheet  
 "Advance 'C' Programming"

Department of Computer Science

Class: BSCIT FY

Sr. No.	Name Of Student	Sign					
		Date	23/05/22	24/05/22	25/05/22	26/05/22	27/05/22
1	BAMANE SWATI RAJARAM	S.R.B	S.R.B	S.R.B	S.R.B	S.R.B	S.R.B
2	BHORE KUSUM RAMCHANNDRA	KRBhore	KRBhore	KRBhore	KRBhore	KRBhore	KRBhore
3	GOUD PRAJAKTA SATAPPA	PGoud	PGoud	PGoud	PGoud	PGoud	PGoud
4	JADHAV NISHA GUNDOPANT	N.G.T.	N.G.T.	N.G.T.	N.G.T.	N.G.T.	N.G.T.
5	KAMBLE SUPRIYA KASHINATH	SKamble	SKamble	SKamble	SKamble	SKamble	SKamble
6	KAMBLE VAISHNAVI VIJAY	VKamble	VKamble	VKamble	VKamble	VKamble	VKamble
7	KESARKAR TANUJA PANDURANG	T.P.K	T.P.K	T.P.K	T.P.K	T.P.K	T.P.K
8	KUDALE HARSHA HINDURAO	HHK..	HHK..	HHK..	HHK..	HHK..	HHK..
9	LONDHE PRATIKSHA PAMDURANG	AB	AB	AB	AB	AB	AB
10	MORE KARINA RAJU	KRmore	KRmore	KRmore	KRmore	KRmore	KRmore
11	PARIT TEJASHRI BHIKAJI	TBParit	TBParit	TBParit	TBParit	TBParit	TBParit
12	SABALE PRANALI BABASAHEB	PBS	PBS	PBS	PBS	PBS	PBS
13	SAVANT PRANITA PRAKASH	PPS	PPS	PPS	PPS	PPS	PPS
14	TIRALE SANIKA DATTATRAY	STirale	STirale	STirale	STirale	STirale	STirale
15	DESAI SAMRUDDHI DEEPAK	S.D.D	S.D.D	S.D.D	S.D.D	S.D.D	S.D.D
16	MALI SONALI BHIMRAO	SBmal	SBmal	SBmal	SBmal	SBmal	SBmal
17	HIRUGADE MAYA KRISHNAT	MKH	MKH	MKH	MKH	MKH	MKH
18	SHINDE SANDHYARANI GUNDU	SGshinde	SGshinde	SGshinde	SGshinde	SGshinde	SGshinde
19	PATIL VRUSHALI SANJAY	VPatil	VPatil	VPatil	VPatil	VPatil	VPatil

*[Signature]*  
 Head  
 Department Of  
 Computer Science



*[Signature]*  
 Principal  
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 Titave, Tal. Redhanagari, Dist. Kolhapur.





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E-Mail-svlm.titave@gmail.com

Ref.: 2021-22/CS/40A

DATE: 28/05/2022

To,  
Mr. M. S. Bhandigre,  
Assistant Professor,  
S. G. M. College,  
Gadhinglaj

**Subject:** Thanking letter for joining as Resource Person.

**Ref:** Short term Program Conducted in our institute on "Advance 'C' Programming" from 23<sup>rd</sup> May 2022 to 28<sup>th</sup> May 2022.

Respected Sir,

With reference to above mentioned subject we are thankful for accepting invitation and delivering valuable lectures for Short term program titled "Advance 'C' Programming." We assure you that your expertise will definitely help our students in their future studies.

With best regards,

Thanking You.

*Received  
MSB*

  
HOD  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.



Shahid Shikshan Prasarak Mandal, Titave's  
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E-Mail-svilm.titave@gmail.com

Ref.: 2021-22/C5/40B

DATE : 28 / 05 / 2022

To,  
 Mr. S. G. Swami,  
 Assistant Professor,  
 S. G. M. College,  
 Gadinglaj

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 Head  
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 Computer Science



  
 Principal  
 Principal  
 Shahid Virpatni Laxmi Mahavidyalaya  
 Titave, Tal. Radhanagari, Dist. Kolhas; Kr.



Shahid Shikshan Prasarak Mandal's, Titave  
**Shahid Virpatni Laxmi Mahavidyalaya, Titave**

# CERTIFICATE

This is to Certify that Miss .....

Of class **B.Sc. I.T.E.** has attended / participated / successfully completed six days Add on Program / Short Term Program / Certificate Course Program of "Advance 'C' Programming" organized by Computer Science Department, S.V.L.M., Titave. Course organized academic year **2021-22...**

  
Program Co-Ordinator

  
HOD (Computer Science Department)  
Head  
Department Of  
Computer Science

  
I/C Principal  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave Tal Radhanagari, Dist. Kolhapur