

**Student Development Program on Advance C
Under
Department of Computer Engineering**

22 June 2020 to 26 June 2020 (10:00 to 5:00)

C Programming Language is one of the most widely used and popular language in world. Advanced C is the next level of C which help to obtain mastery of the language. This course will include Pointer, File Handling, Recursion in detail, Data structure in C , dynamic Memory Allocation.

OBJECTIVES

- To make students aware of Advanced C.
- To apply advanced C Concept to create advanced C application.

WHO WILL BE BENEFITED?

- All the students willing to get mastery in C to make yourself more marketable for higher level programming position.
- The student who wants to develop application in advanced C.

PREREQUISITE

- Basic Knowledge of C programming language.
- Programming aptitude of the students is desirable.

OUTCOMES

Learner will be able to:

- Understand the Advanced C Concept and its applications.
- Explore Code Lite and Visual studio code environment.
- Develop application using advanced C.

CONTACT PERSON

Prof. Pranjali Thakre(9730673899)
pranjali.thakre@siesgst.ac.in

SCHEDULE						
WEEK 1:	Date	Day 1 (22/6)	Day 2 (23/6)	Day 3 (24/6)	Day 4 (25/6)	Day 5 (26/6)
Resource person		Prof. Pranjali Thakre	Prof. Pranita Mahajan	Prof. Pranita Mahajan, Prof. Pranjali thakre	Prof. Prachi Shahane	Dr. Rajesh Kadu
Time						
10:00 to 1:00		Advanced data types, type qualifiers, Advanced Control flow	Pointer, Double pointer, function pointers, void pointers	Dynamic Memory Allocation, Recursion	File handling	Data structure
2:00 to 4:00		Code Lite and visual studio environment	Hands on session on pointers	Hands on session on recursion and dynamic memory allocation	Hands on session on file handling	Hands on session on data structure
4:00 to 5:00		Quiz	Quiz	Quiz	Quiz	Quiz



SIES Graduate School of Technology
Sri Chandrasekarendra Saraswati Vidyapuram
Sector 5, Nerul, Navimumbai-400706

Department of Computer Department

Event Report

SDP ON “ADVANCED C”

Event Information
Event Type: Student Development Program (SDP)
Event Title: Advanced C
Resource Person: Dr. Rajesh Kadu, Prof. Prachi Shahane, Prof. Pranita Mahajan, Prof. Pranjali Thakre
Event Date: 22 June – 26 June 2020
Organized for: All students (FE,SE,TE)
Organized by: SIES GST Computer Dept
Target Audience (Branch & Nos.): Undergraduate Students from all branches total 45 students

Attachments: 1. Photographs (JPEG/PNG)

2. Attendance Report

3. Feedback Report

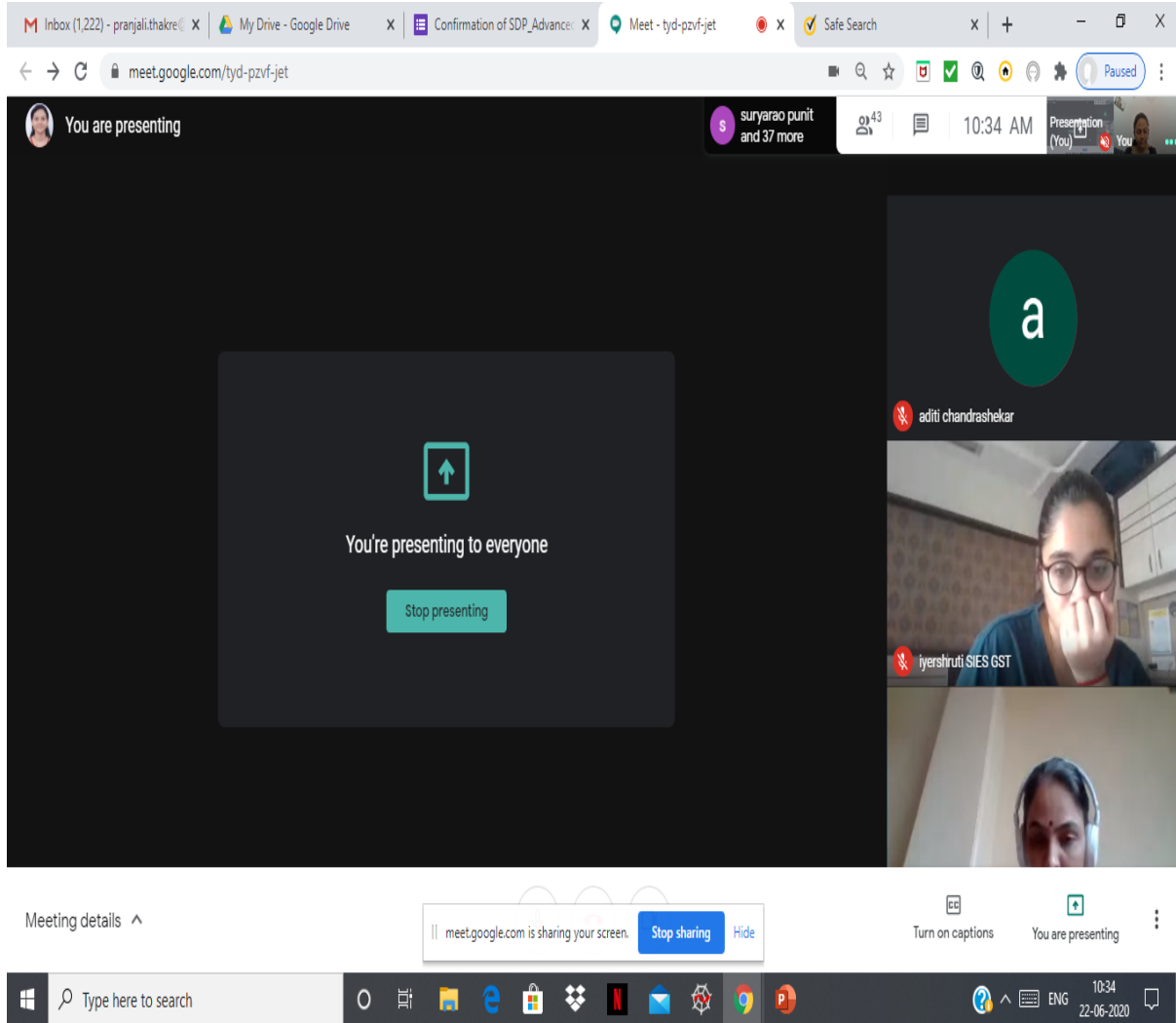
Event Description

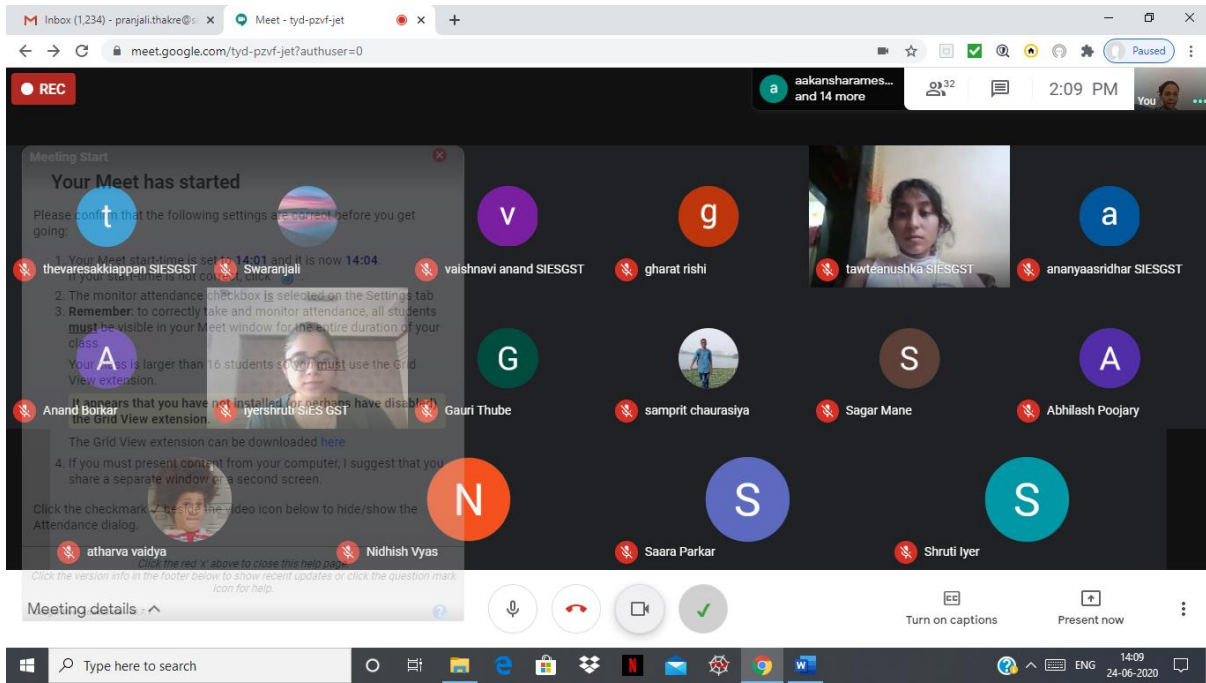
Computer Department of SIES GST organized and conducted a student development program on Advanced C from 22 June to 26 June 2020 between 10 am to 5 pm at SIES Graduate School of Technology, Nerul in Online mode.

The SDP sessions are conducted by computer department faculties. They taught Advanced C in which they have covered advanced data type, type qualifiers, macros, code lite and gcc compiler environment, File handling, pointer, double pointer, void pointer, function pointer, data structure in C. Students had given hands-on training sessions on C language. Students have got good exposure to concept of advanced C. At the end of SDP session students have completed quiz and practicals.

Total 45 participants attended the session of FE,SE,TE of CE, IT, EXTC and ME branches. The concluding remarks were given by Ms. Aparna Bannore, HOD of CE SIES GST. The session was received with admiration by the students.

1. Photographs (in JPEG/PNG):





2. Attendance and Feedback Report (Scanned copy):

6/23/2020 13:44:	6/23/2020 13:44:	6/23/2020 13:47:	6/24/2020 10:15:	6/24/2020 12:38:	6/26/2020 13:45:	6/26/2020 13:59:		
https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw	https://meet.google.com/prf-zosh-drw		
Pranita Mahajan	Pranita Mahajan	atharva vaidya	Pranita Mahajan	Pranita Mahajan	Pranita Mahajan	Pranita Mahajan		
Pranita Mahajan	Pranita Mahajan	autidisha SIES GST	Pranita Mahajan	Pranita Mahajan	Anushree Kolhe	Pranita Mahajan		
aakansharamesh	aakansharamesh	bhargavaishita SIES GST	aakansharamesh	aakansharamesh	archil harkhani	Anushree Kolhe		
Anand Borkar	Anand Borkar	deshmukhminoti	ananyaasridhar SIES GST	Abhilash Poojary	gouri h	archil harkhani		
atharva vaidya	atharva vaidya	falmarerutujeet SIES GST	ananyaasridhar SIES GST	Anand Borkar	iyershobhana SIES GST	Emaad Sayed		
autidisha SIES GST	autidisha SIES GST	Gauri Thube	ananyalakshman	ananyaasridhar SIES GST	mukherjeeswapn	gouri h		
bhargavaishita SIES GST	bhargavaishita SIES GST	gharat rishi	atharva vaidya	ananyaasridhar SIES GST	Ritika Nair	iyershobhana SIES GST		
deshmukhminoti	deshmukhminoti	Harsh Goyal	autidisha SIES GST	ananyalakshman	Ronit Dey	MAHADIK SAKSHI SANJAY		
Gauri Thube	Gauri Thube	iyer shiva	bhargavaishita SIES GST	atharva vaidya	shaikh nifa	Mehul Aswar SIES GST		
gharat rishi	gharat rishi	iyershruiti SIES GST	deshmukhminoti	autidisha SIES GST	sonikunalamit SIES GST	mukherjeeswapnendu SIES GST		
Harsh Goyal	Harsh Goyal	kadamvighnesh SIES GST	falmarerutujeet SIES GST	bawaskaresha SIES GST	vaishnavi sreeku	Ritika Nair		
iyer shiva	iyer shiva	karandegaurav SIES GST	Gauri Thube	bhargavaishita SIES GST		Ronit Dey		
iyershruiti SIES GST	iyershruiti SIES GST	nadarmegha SIES GST	gharat rishi	prasad kulkarni		sahil raut		
nitika sanjay	nitika sanjay	Nidhish Vyas	iyer shiva	Prathamesh Gawas		sawant aditi		
pournima Thakar	pournima Thakar	nitika sanjay	Nidhish Vyas	Saara Parkar		shaikh nifa		
prajyot bhoir	prajyot bhoir	pavitra pavitra	pournima Thakar	Sagar Mane		sonikunalamit SIES GST		
prasad kulkarni	prasad kulkarni	pournima Thakar	prajyot bhoir	sampriti chaurasiya		sriramaniyer SIES GST		
Prathamesh Gav	Prathamesh Gav	prasad kulkarni	Prathamesh Gav	shindesahil SIES GST		vaishnavi sreekumar		
Saara Parkar	Saara Parkar	Prathamesh Gav	Saara Parkar	Shruti Iyer				

Saara Parkar	Saara Parkar	Prathamesh Gav	Saara Parkar	Shruti Iyer		
Sagar Mane	Sagar Mane	Saara Parkar	Sagar Mane	singhabhishek SIES GST		
samprit chaurasi	samprit chaurasi	Sagar Mane	samprit chaurasi	snehashaji SIESGST		
Shruti Iyer	Shruti Iyer	samprit chaurasi	shindesahil SIES	soham parag		
singhabhishek S	singhabhishek S	shindesahil SIES	Shruti Iyer	suryarao punit		
snehashaji SIES	snehashaji SIES	Shruti Iyer	singhabhishek S	suyash karwande		
suryarao punit	suryarao punit	singhabhishek S	suryarao punit	Swaranjali		
Swaranjali	Swaranjali	snehashaji SIES	Swaranjali	tawteanushka SIESGST		
thevaresakkiapp	thevaresakkiapp	soham parag	tawteanushka SI	thevaresakkiappan SIESGST		
vaishnavi anand	vaishnavi anand	suryarao punit	thevaresakkiapp	vaishnavi anand SIESGST		
vikrant singh	vikrant singh	Swaranjali	vaishnavi anand	vikrant singh		
vikrant singh	vikrant singh	tawteanushka SI	vikrant singh	pavitra pavitra		
kadamvighnesh	kadamvighnesh	thevaresakkiapp	vikrant singh	pournima Thakare		
nadarmegha SIE	nadarmegha SIE	vaishnavi anand	iyershruti SIES C	prajyot bhoir		
Nidhish Vyas	Nidhish Vyas	vikrant singh	kadamvighnesh	iyerkarthik SIESGST		
		vikrant singh	karandegaurav S	iyershruti SIES GST		
		prajyot bhoir	iyerkarthik SIES	kadamvighnesh SIESGST		
		Pranita Mahajan		nadarmegha SIESGST		
		aakasharamesh SIES GST		Nidhish Vyas		
		Anand Borkar		nitika sanjay		
		Pranita Mahajan		gharat rishi		

00:07:16.841,00:07:19.841

Pranjali Thakre: int main()

```
{
    // String Initialization
    char a[]
        = "Hi 1234, "
        " Welcome to SDP";
    identify_alpha_numeric(a);
}
```

00:10:14.418,00:10:17.418

prajyot bhoir: yes

00:10:35.399,00:10:38.399

iyershruti SIES GST: done

00:17:16.188,00:17:19.188

Pranjali Thakre: #include <stdio.h>

```
// Header file containing character functions
#include <ctype.h>
```

```
char* identify_convert_ul(char a[])
{
    int count_upper = 0, count_lower = 0,i;
    for (i = 0; a[i] != '\0'; i++) {

        // To check the uppercase characters
        if (isupper(a[i])) {
            count_upper++;
            a[i] = tolower(a[i]);
        }

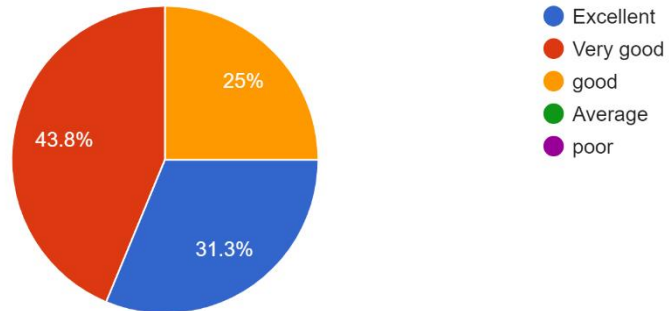
        // To check the lowercase characters
        else if (islower(a[i])) {
            count_lower++;
            a[i] = toupper(a[i]);
        }
    }
}
```



Feedback Analysis from Google Form

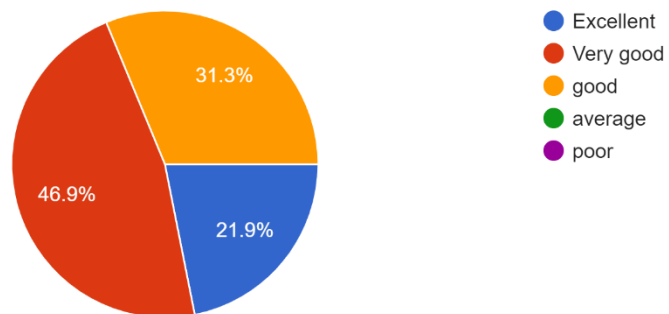
1. General Impression about the content of the course ?

32 responses



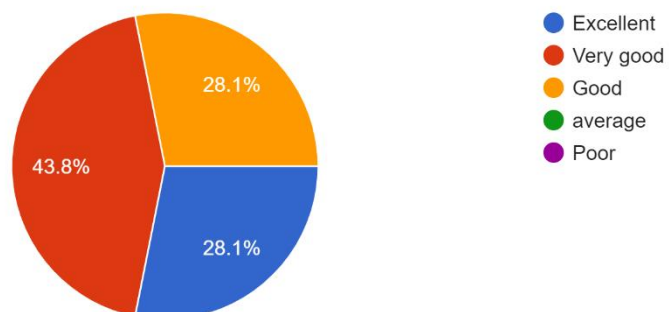
2. How well did the content address your expectation?

32 responses



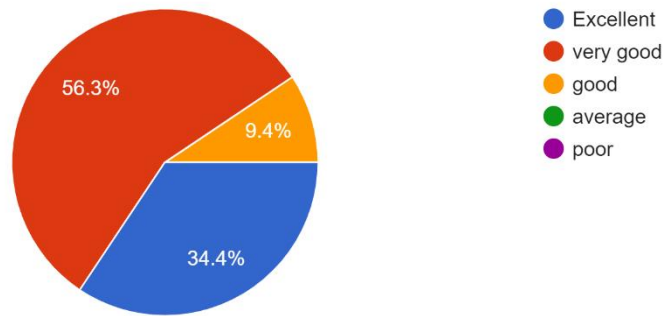
3. How do you rate the quality of content presented?

32 responses



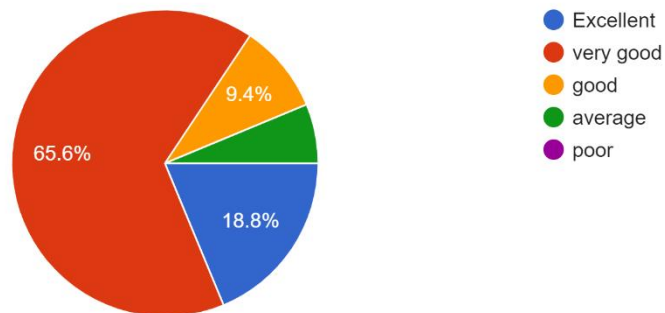
4. How relevant was the content to your profession?

32 responses



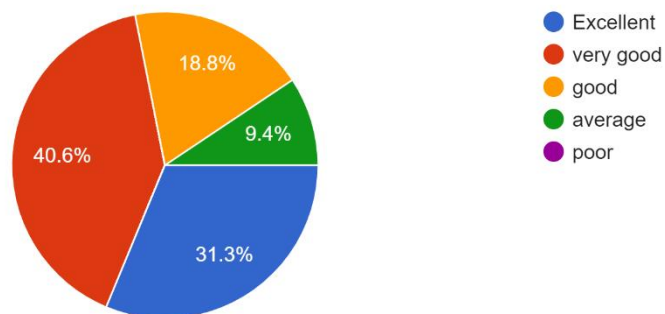
5. How do you rate the amount of content presented?

32 responses

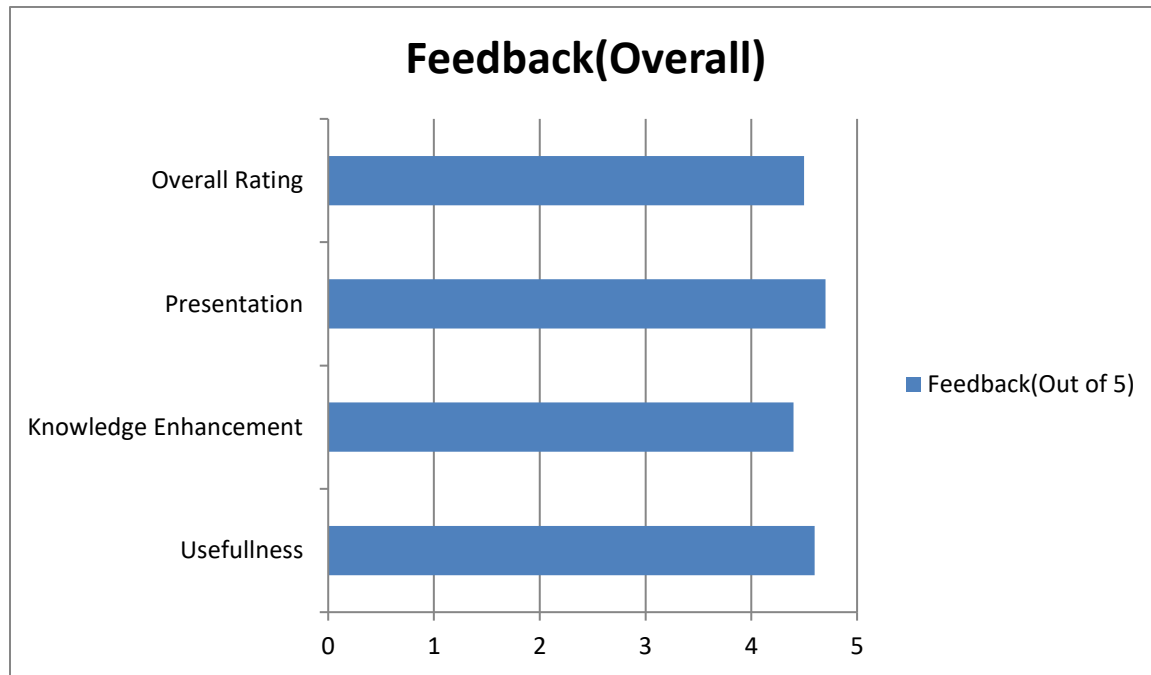


6. How do you rate hands on experience of this lab session?

32 responses



Impact Analysis:



Student List

S.N	Name	Roll No	Div	Year
1	Aakansha Ramesh	119A3001	E	FE
2	Swaranjali Jadhav	119A3049	E	FE
3	Gauri Thube	119A3052	E	FE
4	Rutujeet Falmare	119A1065	D	FE
5	Esakkiappan Thevar	119A1092	D	FE
6	Vignesh Kadam	119A1095	D	FE
7	Minoti Deshmukh	119A1018	C	FE
8	Shruti Iyer	119A1028	C	FE
9	Ananya .L	119A1008	C	FE
10	Ananyaa .S	119A1009	C	FE
11	Samprit Chaurasiya	119A1016	C	FE
12	Anand Borkar	119A1015	C	FE
13	Prathamesh Gawas	119A1024	C	FE
14	Prasad Kulkarni	117A2052	A	TE
15	Suyash karwande	117A2049	A	TE
16	Pournima Thakare	119A1059	D	FE
17	Vaishnavi Anandakrishnan	119A1094	D	FE
18	Sneha Shaji	119A1083	D	FE
19	Megha Nadar	119A1050	D	FE

20	Nidhish Vyas	119A3058	E	FE
21	Prajyot Bhoir	119A3011	E	FE
22	Sahil Shinde	119A3047	E	FE
23	Esha Bawaskar	119A1022	C	FE
24	Ishita Bhargava	119A1026	C	FE
25	Karthik Iyer	119A1027	C	FE
26	Sagar Mane	118A2059	A	SE
27	Shruti Iyer	119A3022	E	FE
28	Anushka Tawte	119A1090	C	FE
29	Rishi Gharat	119A1063	C	FE
30	Vikrant Singh	118A2106	B	SE
31	Vaibhav Singh	118A2105	B	SE
32	Soham Sheth	118A3054	E	SE
33	Saarabi Parkar	118A3034	E	SE
34	Pavitra Venkatraman	118A3036	E	SE
35	Harsh Goyal	118A1025	C	SE
36	Abhishek Singh	119A3004	E	FE
37	Disha Auti	119A3014	E	FE
38	Atharva Vaidya	118A1091	D	SE
39	shiva iyer	118A6013	F	SE
40	Punit Suryarao	118A2107	B	SE
41	Nitika Mhatre	118A2061	B	SE
42	Abhilash Poojary	118A2084	B	SE.

Internship Project

S.N	Name	Roll No	Div	Year	Project idea	
1	Aakansha Ramesh	119A3001	E	FE		
2	Swaranjali Jadhav	119A3049	E	FE		Prof. Pranjali Thakre
3	Gauri Thube	119A3052	E	FE	quiz related to corona virus	
4	Rutujeet Falmare	119A1065	D	FE		
5	Esakkiappan Thevar	119A1092	D	FE		Prof. Prachi shahane
6	Vignesh Kadam	119A1095	D	FE	Movie ticket booking	
7	Minoti Deshmukh	119A1018	C	FE		
8	Shruti Iyer	119A1028	C	FE		
9	Ananya .L	119A1008	C	FE		Prof. Prachi shahane
10	Ananyaa .S	119A1009	C	FE	Scientific calculator	
11	Samprit Chaurasiya	119A1016	C	FE		
12	Anand Borkar	119A1015	C	FE		Prof. Pranjali Thakre
13	Prathamesh Gawas	119A1024	C	FE	E-Restaurant	
14	Prasad Kulkarni	117A2052	A	TE		
15	Suyash karwande	117A2049	A	TE	Snake Game	Prof. Prachi shahane
16	Pournima Thakare	119A1059	D	FE		
17	Vaishnavi Anandkrishnan	119A1094	D	FE		
18	Sneha Shaji	119A1083	D	FE		Dr. Rajesh Kadu
19	Megha Nadar	119A1050	D	FE	Pandemic Data Handling	

20	Nidhish Vyas	119A3058	E	FE		
21	Prajyot Bhoir	119A3011	E	FE		Prof. pranita Mahajan
22	Sahil Shinde	119A3047	E	FE	Phone Book Application	
23	Esha Bawaskar	119A1022	C	FE		
24	Ishita Bhargava	119A1026	C	FE		Prof. pranita Mahajan
25	Karthik Iyer	119A1027	C	FE	Library management	
26	Sagar Mane	118A2059	A	SE	Wage Calculator	Dr. Rajesh Kadu
27	Shruti Iyer	119A3022	E	FE		
28	Anushka Tawte	119A1090	C	FE		Prof. pranita Mahajan
29	Rishi Gharat	119A1063	C	FE	Hangman game	
30	Vikrant Singh	118A2106	B	SE		Prof. Prachi shahane
31	Vaibhav Singh	118A2105	B	SE	Employee Management System	
32	Soham Sheth	118A3054	E	SE		
33	Saarabi Parkar	118A3034	E	SE		Prof. Pranjali Thakre
34	Pavitra Venkatraman	118A3036	E	SE	Inventory management	
35	Harsh Goyal	118A1025	C	SE	Student Management System	Prof. pranita Mahajan
36	Abhishek Singh	119A3004	E	FE		
37	Disha Auti	119A3014	E	FE	Calendar Application	Dr. Rajesh Kadu
38	Atharva Vaidya	118A1091	D	SE		
39	shiva iyer	118A6013	F	SE	Dictionary using trees	Prof. Pranjali Thakre
40	Punit Suryarao	118A2107	B	SE		
41	Nitika Mhatre	118A2061	B	SE	sudoku solver	Prof. Pranjali Thakre
42	Abhilash Poojary	118A2084	B	SE		



CERTIFICATE



CR No : CE/FH2020/ETH01

OF COMPLETION

THIS IS TO CERTIFY THAT

*Mr./Ms. **Aakansha Ramesh***

*has successfully completed the course on
"Advanced C"*

*and fifteen days internship from 22nd June to 4th July held at
SIES Graduate School of Technology. During internship he/she has successfully
completed project titled **Quiz Related to Corona Virus***

Pranjali Thakre

MS. PRANJALI THAKRE
SDP COORDINATOR.

APB

DR. APARNA BANNORE
HEAD, CE DEPT.

Atul Kemkar

DR. ATUL KEMKAR
PRINCIPAL SIES GST.