ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
Shobhavana Campus, Mijar – 574225, Moodbidri.
Dakshina Kannada Karnataka, India.

Department of Electronics and Communication Engineering

A Report on

Advanced C Certification Program

2018-19

Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

P.L/AIET/ECE/C.C/2018-19/001

Date: 11-09-2018

From,

Dr. D V Manjunatha
Head of the Department
E & C Engineering
Alva's Institute of Engineering and Technology
Moodbidri.

To,

The Principal
Alva's Institute of Engineering and Technology
Moodbidri.

Respected Sir,

Sub: Requisition for Conducting Certification Course for 5 days

reg:-

With reference to the above subject, we are planning to conduct a certification course for third year students on the topic **"Advanced C"** by **Innovations, Bangalore** from September 17th 2018 to September 21st 2018 for 5 days.

So I kindly request you to grant the permission for conducting the certification course.

Thanking you

Your's faithfully

Dr. D V Manjunatha

Head of the Department
H. O. D.
Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Dr. Peter Fernandes

The Principal

AIET Moodbidri.

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

From,

Dr. D V Manjunatha
Head of the Department
E & C Engineering
Alva's Institute of Engineering and Technology
Moodbidri.

To,

Mr. Vishal C Vanaki
Managing Director
Innovations, Bangalore.

Respected Sir,

Sub: Invitation for Conducting Certification Course -reg.

With reference to the above subject, we are planning to conduct a certification course for 5th semester students on the topic "Advanced C" from 17/09/18 to 21/09/18.

So I kindly request you to accept the invitation and enhance the Programming skill of our students.

Thanking you

Your's faithfully

12-09-2018
Moodbidri

Dr. D V Manjunatha
Head of the Department
H. O. D.
Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dept. of Electronics and Communication Engineering

Certification Course
On

"Advanced C Training Program"

To,

....

....

Dept. of Electronics and Communication Engineering

We cordially invite you to the

Certification Course
On

"Advanced C Training Program"

By

Mr.Vishal C Vanaki
Managing Director
Innovations Bangalore

Venue: Internet Lab

Date: 17th to 21st September

Mr. Santhosh S
Staff Coordinators

Dr. D V Manjunatha
HOD

About the Institution

Alva's Institute of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008.

AIET is recognized by All India Council for Technical Education (AICTE), New Delhi and affiliated to Visvesvaraya Technological University (VTU), Belgaum, approved by Govt. of Karnataka. Ranked as one of the best Technical Institute in Dakshina Kannada region.

AIET has established Multi-Disciplinary Research Centers viz Center for Robotics, Research center for Basic Science, Center for Small Satellite Research, Center for Nanomaterial's & MEMS, CAD Center, Apple Lab, Linux Lab. AIET has Several Sponsored research Projects funded by different reputed National Funding Agencies like DST, KSCST,DIT, AICTE, ISRO,VGST, IEEE, RESPOND,VTU etc.

About the Department

Department of Electronics & Communication was started in the year 2008-09. ECE branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. It plays great emphasis on deep understanding of fundamental principles and state of the art knowledge about Electronic Devices and Circuits, Computer Architecture and Microprocessors, VLSI and Embedded systems, Electromagnetic Field Theory, Analog and Digital Communication, Digital Signal Processing, Microwave and Broadband Communications, MEMS Research and Development Lab. The department has well-qualified and experienced faculty which includes Three Doctorates, Seven faculty are pursuing Ph.D. and Remaining faculty are Post-Graduates.

Scope of the Course

The aim of the course is to provides a base to learn other advanced programming languages like C++, Java, etc. It enable learners to master the concepts of pointers, addresses, and memory allocation in C. The course also provides hands-on training to help you write and test your coding skill, and prepare you for real-life application.

This course is also popular among IT companies. There are many IT companies which use C++ language especially in OS level work, in embedded device, device driver etc. From job's perspective, C++ development would be beneficial for future. Various jobs exist for students certified with this course in various fields such as in MNC's, BPOs, KPOs, Government and Private Organizations etc.

Course Content

1. Data Types
2. Keywords, Variables
3. Managing I/P and O/P
4. Operators
5. Control Statements and Loops
6. Arrays
7. Strings
8. Functions
9. Pointers
10. Structures and Unions
11. File Handling
12. Dynamic Memory Allocation

RESOURSE PERSON

Mr. Vishal C Vanaki
Managing Director
Innovations, Bangalore

PROGRAM SCHEDULE

September 17, 2018

Inauguration:	09:00 am to 10:00 am
Tea Break:	10:00 am to 10:30 am
Session 1:	10:30 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm

September 18

Session 3:	09.30 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm

September 19

Session 5:	09.30 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm

September 20

Session 7:	09.30 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm

September 21

Session 9:	09.30 am to 11:00 am
Tea Break:	11.00 am to 11.20 am
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 04:00 pm
Valedictory:	04:00 pm to 05:00 pm

Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

Phone: 08258-262725, Fax: 08258-262726

Department of Electronics and Communication Engineering

Date: 13/09/2018

Circular

It is hereby informed that the department of ECE is conducting certification course for 5th Semester students on the topic "Advanced C Programming" by Innovations Bangalore from 17th September 2018 to 21st September 2018 for 5 days. For further details contact the coordinator.

Coordinator
Mr.Santhosh S

HOD
Dr. D V Manjunatha
H. O. D.
Dept. Of Electronics & Communication
Alva' : Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

Phone: 08258-262725, Fax: 08258-262726

Department of Electronics and Communication Engineering

Student list for certification course on "Advanced C Program"

It is hereby informed to all the students of V- Semester students to attend all sessions of the certification course from 9.00am to 5.00pm without fail.

Sl. No	USN	NAME
1	4AL16EC001	Akshatha S Patil
2	4AL16EC002	Anand Kumar K
3	4AL16EC003	Anju Thomas
4	4AL16EC004	Ankitha C C
5	4AL16EC005	Anupama J S
6	4AL16EC006	Apeksha S Shetty
7	4AL16EC007	Archana C J
8	4AL16EC008	Ashish Shanbhag
9	4AL16EC009	Ashwini Pattar
10	4AL16EC010	Athira B
11	4AL16EC011	B S Nagarakshitha
12	4AL16EC012	Bhanupriya H K
13	4AL16EC013	Bhavani S
14	4AL16EC014	Bavya M Nayak
15	4AL16EC015	Bhuvanesh M
16	4AL16EC016	Chaitanya A
17	4AL16EC017	Chandana R
18	4AL16EC019	Deekasha U Shettigar
19	4AL16EC020	Deepak R
20	4AL16EC021	Dhanalakshmi G
21	4AL16EC022	Gagana M R
22	4AL16EC023	Heema Rubab
23	4AL16EC024	Jalaja G S
24	4AL16EC026	Jayanand J
25	4AL16EC030	Karthik J
26	4AL16EC031	Kiran N
27	4AL16EC034	Madhu K R
28	4AL16EC036	Meghana H N
29	4AL16EC038	Mohith S
30	4AL16EC040	Namratha
31	4AL16EC041	Navya R
32	4AL16EC042	Nayanashree K S
33	4AL16EC043	Niranjan S J
34	4AL16EC045	Patel Davis Shashikant
35	4AL16EC047	Prajna

36	4AL16EC100	Chesmi B R
37	4AL14EC078	Shilpa S
38	4AL15EC006	Amar Rooli
39	4AL15EC023	Russel D'souza
40	4AL15EC024	Gaganashree
41	4AL15EC025	Gourav
42	4AL15EC026	Girish H R
43	4AL15EC032	J Vinay Kumar
44	4AL15EC036	Kavyashree M
45	4AL15EC038	Kumaraswamy
46	4AL15EC045	Mahima
47	4AL15EC050	Meghana
48	4AL15EC072	Roshni
49	4AL15EC100	Vijay C H
50	4AL16EC404	Kavyashree G B
51	4AL16EC049	Priyanka U
52	4AL16EC052	Rahul Jattennavar
53	4AL16EC053	RajeshwariSavakar
54	4AL16EC054	RamanathVishwanath Naik
55	4AL16EC056	Rashmi K B
56	4AL16EC057	RasikaBasagoudaPatil
57	4AL16EC058	RaziyaBanu
58	4AL16EC059	Revanth V
59	4AL16EC060	RohiniHalloli
60	4AL16EC061	SafiyaBanu
61	4AL16EC062	Sahana M G
62	4AL16EC063	Samarth Jain N
63	4AL16EC064	Sangeetha S V
64	4AL16EC067	Sharathraj
65	4AL16EC068	SheelaGolasangi
66	4AL16EC071	Shilpa N
67	4AL16EC072	ShravanBoloor
68	4AL16EC074	Shreya S Poojary
69	4AL16EC075	Sooraj
70	4AL16EC076	Soundarya
71	4AL16EC077	Soundarya N A
72	4AL16EC078	Srinidhi J C
73	4AL16EC080	Suraj S
74	4AL16EC083	Thanuja D
75	4AL16EC084	Thrishun P Kotian
76	4AL16EC086	V K Moksha
77	4AL16EC087	Vishvasree V
78	4AL16EC089	Varshini M N

79	4AL16EC090	Veena S
80	4AL16EC091	Veronica Gudagur
81	4AL16EC092	Vidhyashree G
82	4AL16EC093	Vidya L S
83	4AL16EC094	Vidya N
84	4AL16EC095	Vinayaka B M
85	4AL16EC096	Vivek A Bharadwaj
86	4AL16EC097	Viveka
87	4AL16EC098	Yashaswini C
88	4AL16EC099	Yogyashree
89	4AL17EC400	Bhavya
90	4AL17EC401	Dileep
91	4AL16ECO79	Sangamesh
92	4AL17EC402	Vishal

Coordinator

HOD

H. O. D.
Dept. Of Electronics & Communication
Alva' Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

V A STUDENT Attendance List for the Certification on Advanced C programming

SL. NO	USN	Student Name	17-09-2018			18-09-2018			19-09-2018			20-09-2018			21-09-2018			
			FN	FN	AN	FN	FN	AN	FN	FN	AN	FN	FN	AN	FN	FN	AN	
1.	4AL16EC001	Akshatha S Patil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2.	4AL16EC002	Anand Kumar K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
3.	4AL16EC003	Anju Thomas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
4.	4AL16EC004	Ankitha C C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
5.	4AL16EC005	Anupama J S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
6.	4AL16EC006	Apeksha S Shetty	1	2	3	4	5	6	A	A	A	7	8	9	10	11	12	
7.	4AL16EC007	Archana C J	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8.	4AL16EC008	Ashish Shanbhag	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
9.	4AL16EC009	Ashwini Pattar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
10	4AL16EC010	Athira B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
11	4AL16EC011	B S Nagarakshitha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
12	4AL16EC012	Bhanupriya H K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
13	4AL16EC013	Bhavani S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
14	4AL16EC014	Bavya M Nayak	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	
15	4AL16EC015	Bhuvanesh M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
16	4AL16EC016	Chaitanya A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
17	4AL16EC017	Chandana R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
18	4AL16EC019	Deekasha U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	
19	4AL16EC020	Deepak R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
20	4AL16EC021	Dhanalakshmi G	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
21	4AL16EC022	Gagana M R	1	2	3	4	5	6	7	8	9	10	11	12	A	A	A	
22	4AL16EC023	Heema Rubab	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
23	4AL16EC024	Jalaja G S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
24	4AL16EC026	Jayanand J	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	
25	4AL16EC030	Karthik J	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
26	4AL16EC031	Kiran N	1	2	3	4	5	6	7	8	A	A	10	11	12	13	14	

#	USN	Name																Sign
27	4AL16EC034	Madhu K R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Madhu
28	4AL16EC036	Meghana H N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	meghana
29	4AL16EC038	Mohith S	1	2	3	4	5	6	7	8	AB	9	10	11	12	13	A	
30	4AL16EC041	Navya R	A	A	A	1	5	6	7	F	9	10	11	12	13	14	15	
31	4AL16EC042	Nayanashree K S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
32	4AL16EC043	Niranjan S J	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	S J Niran
33	4AL16EC045	Patel Davis	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Davi
34	4AL16EC047	Prajna	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Prajna
35	4AL16EC100	Chesmi B R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	B.chesma
36	4AL16EC040	Namratha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Namratha
37	4AL15EC032	T Viray Kumar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Vijay
38	4AL14EC078	Shilpa S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Arooli
39	4AL15EC006	Amar Rooli	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
40	4AL15EC038	Kumaraswamy	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	Kumaraswa
41	4AL15EC026	Girish H R	1	2	3	4	5	6	7	8	9	10	11	12	13	4	15	Girish
42	4AL15EC025	Gourav	1	2	3	4	5	6	7	8	9	10	11	12	13	14	A	Gourav
43	4AL15EC023	Russel D'souza	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Russel
44	4AL15EC045	Mahima	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Mahima
45	4AL15EC072	Roshni	1	2	3	4	5	A	6	7	8	9	10	11	AA	P		Roshni
46	4AL15EC024	Gaganashree	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Gaga
47	4AL15EC036	Kavyashree	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	KGB
48	4AL16EC404	Kavyashree G B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
49	4AL15EC050	Meghana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
50	4AL15EC100	Vijay hadpad	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Vijay Hadpad

Certification Coordinator

1) Santhosh. S 21/09/18

HOD

Dr. D.V. Manjunatha
H. O. D.
Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

V B Student Attendance List for the Certification on Advanced C Programming

SL.NO	USN	Student Name	17/09/18			18/09/18			19/09/18			20/09/18			21/09/18			
			FN	FN	AN	FN	FN	AN	FN	FN	AN	FN	FN	AN	FN	FN	AN	
1	4AL16EC049	Priyanka U	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Priya
2	4AL16EC052	Rahul Jattennavar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rahul
3	4AL16EC053	RajeshwariSavakar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rajeshwa
4	4AL16EC054	RamanathVishwanathNaik	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Ram
5	4AL16EC056	Rashmi K B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rashmi
6	4AL16EC057	RasikaBasagoudaPatil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rasika
7	4AL16EC058	RaziyaBanu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Raziya
8	4AL16EC059	Revanth V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rev
9	4AL16EC060	RohiniHalloli	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Rohini H
10	4AL16EC061	SafiyaBanu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Safi
11	4AL16EC062	Sahana M G	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sahana
12	4AL16EC063	Samarth Jain N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Samarth
13	4AL16EC064	Sangeetha S V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sangeetha V
14	4AL16EC067	Sharathraj	1	2	3	A	A	A	4	5	6	7	8	9	10	11	12	Shara

15	4AL16EC068	SheelaGolasangi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sheela
16	4AL16EC071	Shilpa N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Shilpa
17	4AL16EC072	ShravanBoloor	1	2	3	4	5	6	7	8	9	10	11	12	A	A	A	Shravan
18	4AL16EC074	Shreya S Poojary	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	SSP
19	4AL16EC075	Sooraj	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sooraj
20	4AL16EC076	Soundarya	1	2	3	4	5	6	7	8	9	A	A	A	A	A	A	Soundarya
21	4AL16EC077	Soundarya N A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Soundarya
22	4AL16EC078	Srinidhi J C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Srinidhi
23	4AL16EC080	Suraj S	1	2	3	4	5	6	7	8	9	A	A	A	10	11	A	Suraj S
24	4AL16EC083	Thanuja D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Thanuja
25	4AL16EC084	Thrishun P Kotian	1	2	3	4	5	A	7	8	9	10	11	12	A	A	A	Thrishun
26	4AL16EC086	V K Moksha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	V K Moksha
27	4AL16EC087	Vishvasree V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Vishvasree
28	4AL16EC089	Varshini M N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Veena
29	4AL16EC090	Veena S	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	Veena
30	4AL16EC091	Veronica Gudagur	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Veronica
31	4AL16EC092	Vidhyashree G	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Vidhyashree G

32	4AL16EC093	Vidya L S	1	2	3	4	5	6	7	8	9	10	11	12	13	4	15	Vidya LS
33	4AL16EC094	Vidya N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Vidya
34	4AL16EC095	Vinayaka B M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	BMVinyaka
35	4AL16EC096	Vivek A Bharadwaj	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	VABharadwaj
36	4AL16EC097	Viveka	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Viveka
37	4AL16EC098	Yashaswini C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Yasha
38	4AL16EC099	Yogyashree	1	2	3	4	5	6	7	8	A	10	11	12	13	14	15	Yogya
39	4AL17EC400	Bhavya	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Bhavya
40	4AL17EC401	Dileep	1	2	3	4	5	6	7	8	9	10	11	12	A	A	A	Dileep
41	4AL16EC102	Sangamesh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sangamesh
42	4AL17EC402	Vishal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	vishal
	Signature of faculty in charge																	

Co-ordinators

Mr. Santhosh S

Mr. Mahendra H N

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU,Belgaum, Recognized by AICTE, New-Delhi)

Shobhavana Campus, Mijar, Moodbidri-574225, Dakshin Kannada.

INNOVATION
Building new ideas

Department of Electronics & Communication Engineering

Certificate

This is to certify that Mr./Ms. ....*Anju Thomas*............................... of

..........*5th*.......... Semester, E&CE Department, has undergone a Certification course on

"Programming Skill Enhancement Using C" for 5 days organized by Department of

E&CE, Alva's Institute of Engineering and Technology, Moodbidri in association with

Innovation Pvt. Ltd., Bengaluru from 17th to 21st September 2018

Mr. Vishal C Vanaki
Managing Director
Innovation Bengaluru

Dr. D V Manjunatha
HOD, Dept. of ECE
AIET, Moodbidri

Dr. Peter Fernandes
Principal
AIET, Moodbidri

Advanced C Programming Certificate Course Report
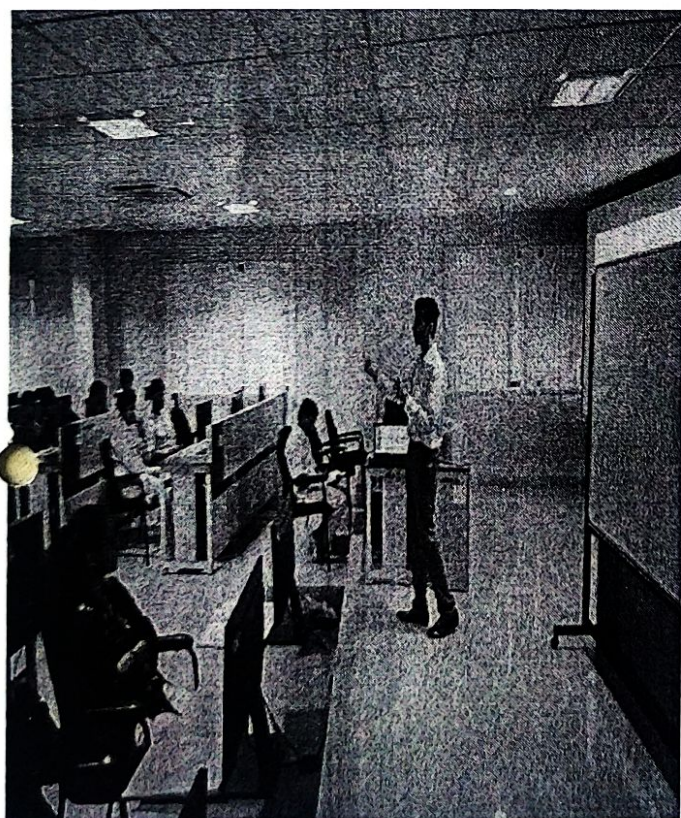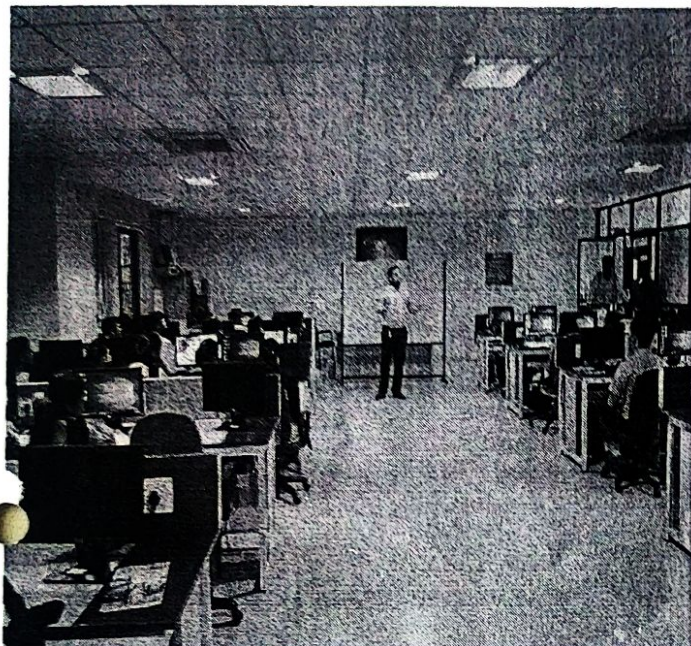
Fig: Advance C programming Certification Program Conduction

Department of Electronics and Comminication Engineering organized Five days **"Certificate course on Advanced C programming "** for V semester Electronics and

communication Engineering students from 17h September 2018 to 21st September 2018 from **Innovations,** Bangalore.

The course carried for five days which included Data types, Keywords variables,Operators, Control Statements,Loops, Arry handling, String handling, Pointers, Structures and Unions, File handling, Dynamic Memory Allocation and Recent year question of TCS code vita test questions. Most of the certification program was a handson session and students were given with different task to write some code for desired output on open CV platform. Also many placement related C, C++ questions were solved during thes session.

Impact Analysis

Course Name : Advanced C Programming	Date: 21/09/2018
Academic year: 2018-19	

5th semester students of Electronics and communication Engineering have attended certification course on Advanced C programming from 17h September 2018 to 21st September 2018 conducted by **Innovations,** Bangalore.

The course carried for five days which included Data types, Keywords variables,Operators, Control Statements,Loops, Arry handling, String handling, Pointers, Structures and Unions, File handling, Dynamic Memory Allocation and Recent year question of TCS code vita test questions. Most of the certification program was a handson session and students were given with different task to write some code for desired output on open CV platform. Also many placement related C, C++ questions were solved during thes session.

A test was conducted based on the technical concepts that were discussed during the course. The test answer sheets were evaluated by the faculty of the department. The test results show that 90% of the students scored more than 18 out of 20 Marks. This result analysis shows that the purpose of the certification course is served and our 3rd year students have got enough knowledge of the advanced C programming during the course. Hence the overall outcome of the certification course is achieved.

Certification Coordinator

Mr. Santhosh S

Dr. D V Manjunatha

Head of the Department
Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

page - 10

Department of Electronics & Communication Engineering

Summary Report of Add-on/Certificate program with its Outcomes

Academic Year : 2018-19	Duration: 17-09-18 to 21-09-18
Title of the Course: Advanced C	
Resource Person: Mr. Vishal C Vanaki, Managing Director, Innovation Bangalore.	

The department conducted Certification Course on "Advanced C" for 3rd year students of Electronics and Communication Engineering from 17-09-2018 to 21-09-2018 by Mr. Vishal C Vanaki, Managing Director, Innovation Bangalore.

92 students of 3rd year, Electronics and Communication Engineering are benefitted from this course and were able to

- Understand the Data types, Keywords variables, Operators, Control Statements, Loops, Array handling.
- Understand the concepts of String handling, Pointers, Structures and Unions, File handling, Dynamic Memory Allocation
- Write code for different task and obtain desired output on open CV platform.

D.V.

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DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Advanced C Programming

1. Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 ?

A. rem = 3.14 % 2.1;   B. rem = modf(3.14, 2.1);

C. rem = fmod(3.14, 2.1);   D. Remainder cannot be obtain in floating point division.

2. How would you round off a value from 1.66 to 2.0?

A. ceil(1.66)   B. floor(1.66)

C. roundup(1.66)   D. roundto(1.66)

3. What will be the output of the program in 16 bit platform (Turbo C under DOS)?

```
#include<stdio.h>

int main() {

    extern int i;

    i = 20;

    printf("%d\n", sizeof(i));

    return 0;

}
```

A. 2   B. 4

C. vary from compiler   D.Linker Error : Undefined symbol 'i'

4. A long double can be used if range of a double is not enough to accommodate a real number.

A. True   B. False

5. Size of short integer and long integer can be verified using the sizeof() operator.

A. True   B. False

6. Which of the declaration is correct?

A. int length;   B. char int;

C. int long;   D. float double;

7. Which of the following correctly represents a long double constant?

A.   6.68   B.   6.68L

C.   6.68f   D.   6.68LF

8. The keyword used to transfer control from a function back to the calling function is

A. switch   B. goto

C. go back   D. return

9. How many times the program will print "Alva's" ?

```
#include<stdio.h>

int main() {

    printf("Alva's");

    main();

    return 0;

}
```

A. Infinite times   B. 32767 times

C. 65535 times   D. Till stack overflows

10. In which header file is the NULL macro defined?

A. stdio.h   B. stddef.h

C. stdio.h and stddef.h   D. math.h

11. Which of the following function sets first n characters of a string to a given character?

A. strinit()   B. strnset()

C. strset() D. strcset()

12. How will you print \n on the screen?

A. printf("\n"); B. echo "\\n";

C. printf('\n'); D. printf("\\n");

13. The library function used to find the last occurrence of a character in a string is

A. strnstr() B. laststr()

C. strrchr() D. strstr()

14. In C, if you pass an array as an argument to a function, what actually gets passed?

A.   Value of elements in array

B.   First element of the array

C.   Base address of the array

D.   Address of the last element of array

15. Which of the following is the correct order of evaluation for the below expression?

z = x + y * z / 4 % 2 - 1

A. * / % + - = B. = * / % + -

C. / * % - + = D. * % / - + =

16. Which bitwise operator is suitable for turning off a particular bit in a number?

A. && operator B. & operator

C. || operator D. ! operator

17. In which numbering system can the binary number 1011011111000101 be easily converted to?

A. Decimal system B. Hexadecimal system

C. Octal system D. No need to convert

18. Input/output function prototypes and macros are defined in which header file?

A. conio.h B. stdlib.h

C. stdio.h D. dos.h

19. Write a C – program to print all the prime numbers within a given range.

20. Write a C – program to sort a given array in DESCENDING order using Bubble Sort algorithm.

Feedback Form

Name of the Trainer : Ratan Cage
Session Title: Advanced C
Date & time of the session :

Please tick appropriate answer for the below questions

S. No	Question	Completely Disagree	Disagree	Neutral	Agree	Completely Agree
1	The session was useful to me					✓
2	The trainer handled queries and gave satisfactory replies					✓
3	The trainer gave sufficient examples/ mock sessions					✓
4	The trainer's communication was clear and audible					✓
5	I would need more input on this topic					✓
6	The content of the session has been covered completely as expected					✓
7	I wish to attend further training sessions by the same trainer					✓
8	Overall Impact					✓

9. Additional areas you want us to cover in this session.

More, examples on python and other programming language.

10. Any suggestions on this session.

More examples should be given

Name: Rahul Jattennavar
Register No: 4ALI6EC052
Course: C programming
Section: 'B'