



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.

Recognized by Government of Karnataka.

A+, Accredited by NAAC & NBA (ECE & CSE)

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Ph: 08258-262725; Mob: 722262724, 7026262725 mail:principalaiet08@gmail.com

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SIX MONTH PLAN ON "Apple iOS Club"

From November 2023 to April 2023

Date: 21/10/2023

	Proposed Activity	Resource Person	Date Approximated	Budget
1.	ONE WEEK Training on Apple iOS App Development using Swift	AIET Skill Development Department	Tentatively on Second week of November	NIL

Handwritten signature
23/10/2023

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H. O. D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

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

21-10-2023

From

VENKATESH

Senior Associate Professor

Department of Computer Science and Engineering

Alvas Institute of Engineering and Technology

Mijar, Moodbidri

To

Skill Development Coordinator

AIET Skill Development Department

AIET Moodbidri

Through

The HOD CSE

AIET Moodbidri

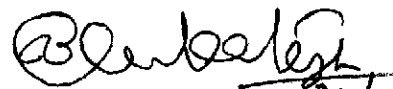
Sub: One Week training program on **"Apple iOS App Development using Swift"**

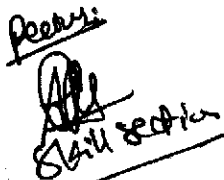
Respected Sir,

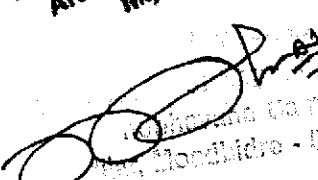
Department of Computer Science AIET decided to develop the skills of the AIET CSE Students in Apple iOS Programming using Swift C environment. I request you to conduct **One Week Training Program on Apple iOS App Development using Swift C** for the students of CSE department AIET. I hope you will consider this request letter and do the needful.

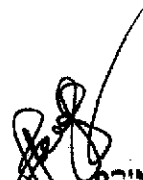
Thanking You

Yours faithfully


(VENKATESH) 21/10/2023


21/10/2023
Dept. of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


Principal
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


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



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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
ALVA'S SKILL DEVELOPMENT DEPARTMENT, AIET

Date: 21-10-2023

To,

Venkatesh
Senior associate professor
Department of computer science and engineering
AIET Moodbidri.

Through

**The HOD CSE
AIET MOODBIDRI**

Sub: One week training programme on "Apple IOS App Development using Swift".

Respected Sir,

As request by you, we are happy to support you to conduct one week training programme on Apple IOS App Development using Swift. In order to conduct this training programme kindly procedure proposed date of training and the following student's information

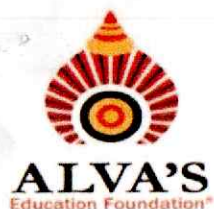
1. Student name (in excel sheet)
2. USN number(in excel sheet)
3. Mail id, (in excel sheet)
4. Adhar linked Mobil number(in excel sheet)
5. Adhar card (hard copy)
6. Passport size. photo -1(hard copy).

Once you provide these details process can be initiated.

Thank you,


Mr. Rohith A.R, MSW, (Ph.D.)
Skill coordinator AIET
Mob: 8147007284


21/10/23



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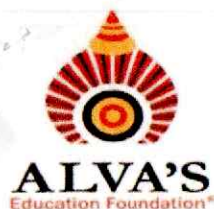
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Certification Course on Apple iOS App Development Using Swift and X Code - 2022-23

REGISTRATION SHEET

	USN	NAME	Phone Number	Email Address	Signature
1.	4AL22CS007	Akhilesh H R	9108503988	akhill.cse@gmail.com	
2.	4AL22CS015	Apoorva	8904580049	apoorvapkamane@gmail.com	
3.	4AL22CS018	Arvind Kumar Ojha	9572353826	arvind22cse15@gmail.com	
4.	4AL22CS025	Bhoomika R	7338566253	bhoomi.r1230@gmail.com	Bhoomi
5.	4AL22CS026	Brijesh S K	6360682898	brijesh300704@gmail.com	Brijesh
6.	4AL22CS030	Chethan Kumar	9845713536	chethukumar9845@gmail.com	Chethan Kumar
7.	4AL22CS036	Deepika N	9535171078	anjali8139958932@gmail.com	Deepika
8.	4AL22CS040	Divya	9380414971	divyaprabu784@gmail.com	Divya
9.	4AL22CS042	Elluri Chaitanya Srinivas	9110550897	chaitanyasrinivas30@gmail.com	E. Chaitanya
10.	4AL22CS045	Gajendra A	6360767637	gajendraagaja567@gmail.com	Gajendra
11.	4AL22CS046	Gayatri M Baligar	9019152294	gayatribaligar2504@gmail.com	Gayatri
12.	4AL22CS047	Glanil Tauro	7975402353	glaniltauro060@gmail.com	Glanil
13.	4AL22CS050	Grishma Prashant Bhandare	8310363830	grishmabhandare@gmail.com	Grishma
14.	4AL22CS053	H Manjula	6361314490	manjulah002@gmail.com	H Manjula
15.	4AL22CS058	Harshitha H N	7676309311	hnharshitha1707@gmail.com	Harshitha H N
16.	4AL22CS068	K Veeresh	7619280422	kveeresh288@gmail.com	K. Veeresh
17.	4AL22CS069	Kanishka Shetty	8971845563	kanishkashetty@gmail.com	Kanishka Shetty
18.	4AL22CS075	Keerthana M	7483132287	keerthanakeerthi17609@gmail.com	Keerthana M
19.	4AL22CS079	Kusuma C D	8277928478	kusumacd45@gmail.com	Kusuma C.D
20.	4AL22CS082	Mahima Nayak	8904287462	nayakmahima632@gmail.com	Mahima Nayak
21.	4AL22CS083	Mallika K	7899161005	mallikagowda626@gmail.com	Mallika K
22.	4AL22CS085	Megha Basavaraj Tambakad	8073693769	meghatambakad@gmail.com	Megha
23.	4AL22CS087	Mehek H N	7483780107	mehek896@gmail.com	Mehek



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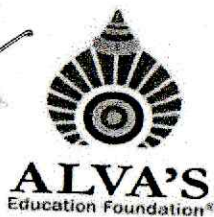
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	USN	NAME	Phone Number	Email Address	Signature
24.	4AL22CS090	Mohidin Ahmed Kabeer	8792190783	kabeermak88@gmail.com	Kabeer
25.	4AL22CS091	Nausha Tendulkar	7411076201	naushatendulkar24@gmail.com	Nausha
26.	4AL22CS093	Nikshitha P Rai	9353041306	nikshithaprai2004@gmail.com	Nikshitha
27.	4AL22CS094	Nisarga S	6363343472	nisargas0904@gmail.com	Nisarga
28.	4AL22CS095	Nishitha Suvarna	7259019347	nishithasuvarna74@gmail.com	Nishitha
29.	4AL22CS096	Nishmitha S Shetty	7676591321	nishmithas439@gmail.com	Nishmitha
30.	4AL22CS100	Pavitra Ishwarappa Talawar	9448868759	talawarpavitra132@gmail.com	Pavitra
31.	4AL22CS106	Prathamesh Shetty	6362941356	4al22cs106@aiet.org.in	Prathamesh
32.	4AL22CS107	Prathi U Shetty	8197851509	sprathi630@gmail.com	Prathi
33.	4AL22CS119	Rithika P Shetty	9740261242	rithikashetty474@gmail.com	Rithika
34.	4AL22CS124	Sakshi	9036974572	acharyasakshi399@gmail.com	Sakshi
35.	4AL22CS146	Shivaleela Kalasad	7204494039	ramkalasad77@gmail.com shivaleela kalasad439@gmail.com	Shivaleela
36.	4AL22CS151	Shraddhitha P Shettigar	8660039121	shraddhithapshettigar@gmail.com	Shraddhitha
37.	4AL22CS165	Srushti N B	6364809767	srushtiicse@gmail.com	Srushti
38.	4AL22CS175	Swapnil Sambhaji Alori	6363452392	swapnilalori62084@gmail.com	Swapnil
39.	4AL22CS178	Tangevva Rudrappa Gadad	7975157130	ashwinigadad3@gmail.com	Tangevva
40.	4AL22CS185	Varshitha R	9972892287	rvarshita8@gmail.com	Varshitha
41.	4AL22CS189	Yoghana B K	9008298681	yoghanabk479253@gmail.com	Yoghana

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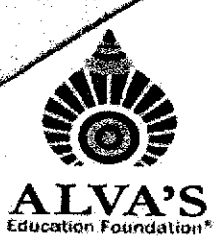
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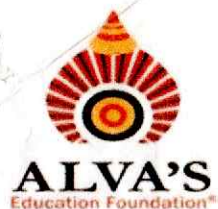
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31.	4AL22CS106	Prathamesh Shetty	6362941356	4al22cs106@aiet.org.in	Prathamesh
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33.	4AL22CS119	Rithika P Shetty	9740261242	rithikashetty474@gmail.com	Rithika
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36.	4AL22CS151	Shraddhitha P Shettigar	8660039121	shraddhithapshettigar@gmail.com	Shraddhitha
37.	4AL22CS165	Srushti N B	6364809767	srushtiicse@gmail.com	Srushti
38.	4AL22CS175	Swapnil Sambhaji Alori	6363452392	swapnilalori62084@gmail.com	Swapnil
39.	4AL22CS178	Tangevva Rudrappa Gadad	7975157130	ashwinigadad3@gmail.com	Tangevva
40.	4AL22CS185	Varshitha R	9972892287	rvarshita8@gmail.com	Varshitha
41.	4AL22CS189	Yoghana B K	9008298681	yoghanabk479253@gmail.com	Yoghana

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	USN	NAME	22/11/2023		23/11/2023		24/11/2023		25/11/2023		27/11/2023		28/11/2023		29/11/2023	
			AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
24	4AL22CS090	Mohidin Ahmed Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer
25	4AL22CS091	Nausha Tendulkar	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	4AL22CS093	Nikshitha P Rai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai
27	4AL22CS094	Nisarga S	N	N	N	N	N	N	N	N	N	N	N	N	N	N
28	4AL22CS095	Nishitha Suvarna	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha
29	4AL22CS096	Nishmitha S Shetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty	NShetty
30	4AL22CS100	Pavitra Ishwarappa Talawar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	4AL22CS106	Prathamesh Shetty	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
32	4AL22CS107	Prathi U Shetty	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi
33	4AL22CS119	Rithika P Shetty	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika
34	4AL22CS124	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
35	4AL22CS146	Shivaleela Kalasad	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela	Shivaleela
36	4AL22CS151	Shraddhitha P Shettigar	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha
37	4AL22CS165	Srushti N B	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
38	4AL22CS175	Swapnil Sambhaji Alori	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
39	4AL22CS178	Tangevva Rudrappa Gadad	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva	Tangevva
40	4AL22CS185	Varshitha R	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha
41	4AL22CS189	Yoghana B K	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana

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24	4AL22CS090	Mohidin Ahmed Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer
25	4AL22CS091	Nausha Tendulkar	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	4AL22CS093	Nikshitha P Rai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai	NRai
27	4AL22CS094	Nisarga S	N	N	N	N	N	N	N	N	N	N	N	N	N	N
28	4AL22CS095	Nishitha Suvarna	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha
29	4AL22CS096	Nishmitha S Shetty	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha	Nishmitha
30	4AL22CS100	Pavitra Ishwarappa Talawar	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra	Pavitra
31	4AL22CS106	Prathamesh Shetty	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh	Prathamesh
32	4AL22CS107	Prathi U Shetty	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi	Prathi
33	4AL22CS119	Rithika P Shetty	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika
34	4AL22CS124	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
35	4AL22CS146	Shivaleela Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad
36	4AL22CS151	Shraddhitha P Shettigar	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha
37	4AL22CS165	Srushti N B	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
38	4AL22CS175	Swapnil Sambhaji Alori	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
39	4AL22CS178	Tangevva Rudrappa Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad	Gadad
40	4AL22CS185	Varshitha R	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha
41	4AL22CS189	Yoghana B K	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana

COORDINATOR

HOD CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Certification Course on Apple iOS App Development Using Swift and X Code - 2022-23

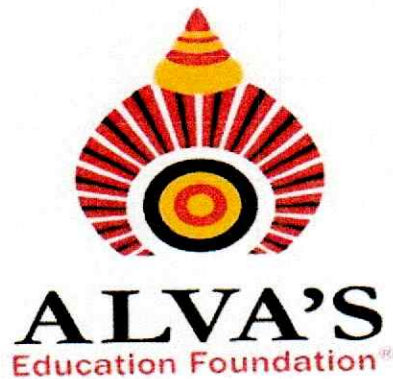
ATTENDANCE SHEET

	USN	NAME	22/11/2023		23/11/2023		24/11/2023		25/11/2023		27/11/2023		28/11/2023		29/11/2023	
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24	4AL22CS090	Mohidin Ahmed Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer	Kabeer
25	4AL22CS091	Nausha Tendulkar	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai
26	4AL22CS093	Nikshitha P Rai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai
27	4AL22CS094	Nisarga S	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai	Nrai
28	4AL22CS095	Nishitha Suvarna	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha	Nishitha
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34	4AL22CS124	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
35	4AL22CS146	Shivaleela Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad	Kalasad
36	4AL22CS151	Shraddhitha P Shettigar	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha	Shraddhitha
37	4AL22CS165	Srushti N B	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti	Srushti
38	4AL22CS175	Swapnil Sambhaji Alori	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
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40	4AL22CS185	Varshitha R	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha	Varshitha
41	4AL22CS189	Yoghana B K	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana	Yoghana

COORDINATOR

HOD CSE

**ALVA'S INSTITUTE OF ENGINEERING &
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Apple iOS LAB

A Report of Training on “Apple iOS App Development Programming using Swift C and X Code”

(22nd November 2023 – 29th November 2023)

By: Mr. Venkatesh

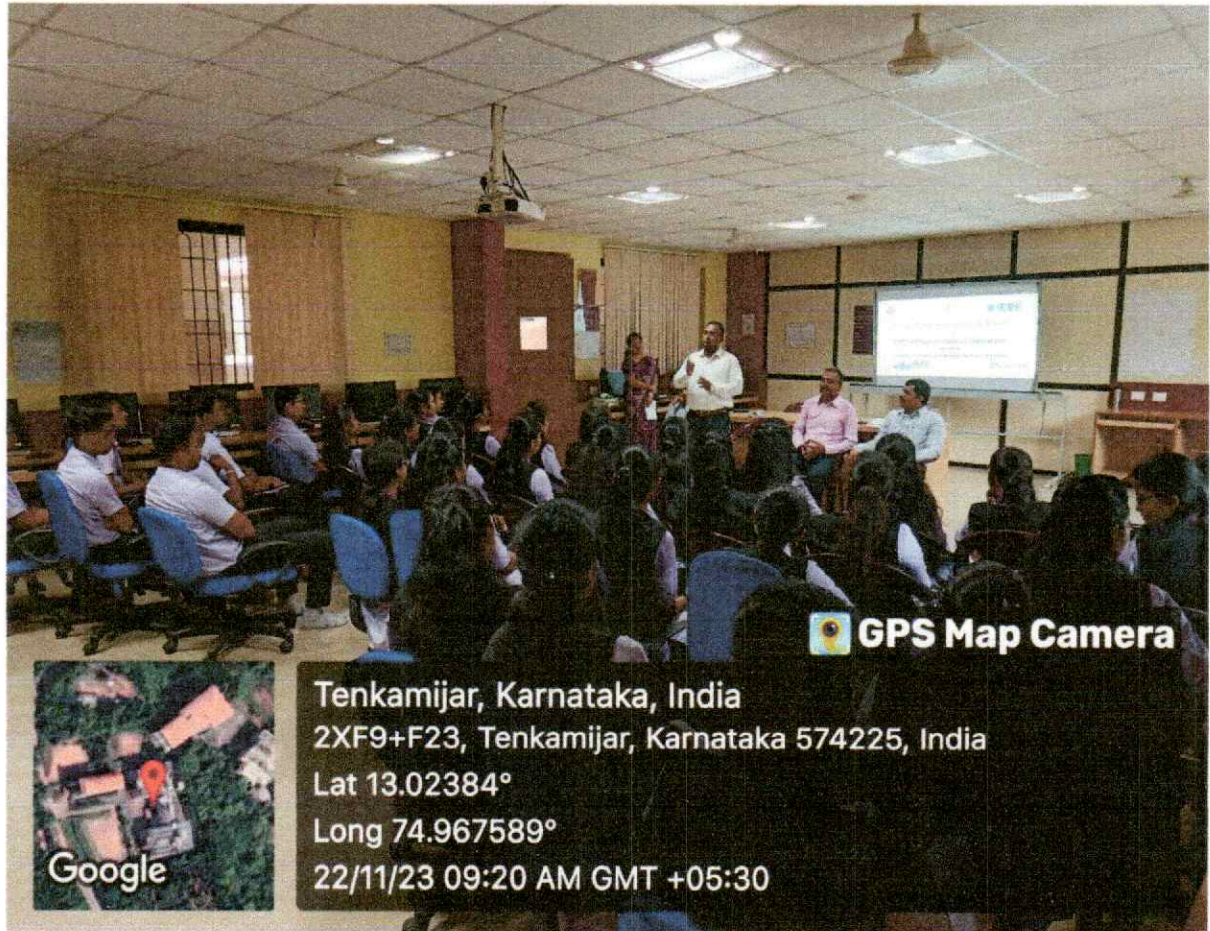
2023-24

CONTENTS

- 1. Introduction**
- 2. Details of Resource Person**
- 3. Course Sessions**
- 4. List of Students Registered.**

1. Introduction

Department of CSE organized a One Week training Program on “Apple iOS App Development using Swift C and XCode” for the students of Third Semester B.E. CSE. The training was started on 22nd November 2023 till 29th November 2023 every day from 09.00 AM to 05.00 PM.



Mr. Venkatesh, Senior Associate Professor in the Department of CSE AIET, was the coordinator of this training Program under the guidance of Dr. Manjunath Kotari, HOD of Computer Science and Engineering department AIET Moodbidri. Mrs. Deeksha M, Senior Assistant Professor in the department of CSE was the MC of the informal inaugural program. Total 41 students were registered and 37 students were benefited from the training.

2. Details of Resource Person

Mr. Maheshwaran Govindaraju, started his carrier as a software trainer in Galaxy Internet Pvt Limited. Mr. Maheshwaran Govindaraju has more than 2 Decades of experience in Software Development and Corporate Training in various industries.

Mr. Maheswaran Govindaraju has a Domain Knowledge in ERP, Retail, Finance, Healthcare, HRM, Telecom, Server-Side Coding in C++. He has More than 18-year Experience in Project Management.



He has more experience in Software Architecture and Product development. He is expertise in .NET, J2EE, Angular, React, Oracle, SQL Server, PHP, C++ systems and so on. He is the corporate trainer for Quest Global, Experion, LnT Infotech, Tata Elxsi and many others. He applied Apple's Swift C development language to code native apps for iOS platform. Currently he is a Technical Consultant in Self Employed and Freelancer.

He started his career with Kaashyap Radian Systems Limited which has used him to give the corporate training to the companies. Thereafter he migrated to development industry where he had explored the art of the state and cutting-edge technologies, I have had solid experience in mentoring Subject Matter Experts.

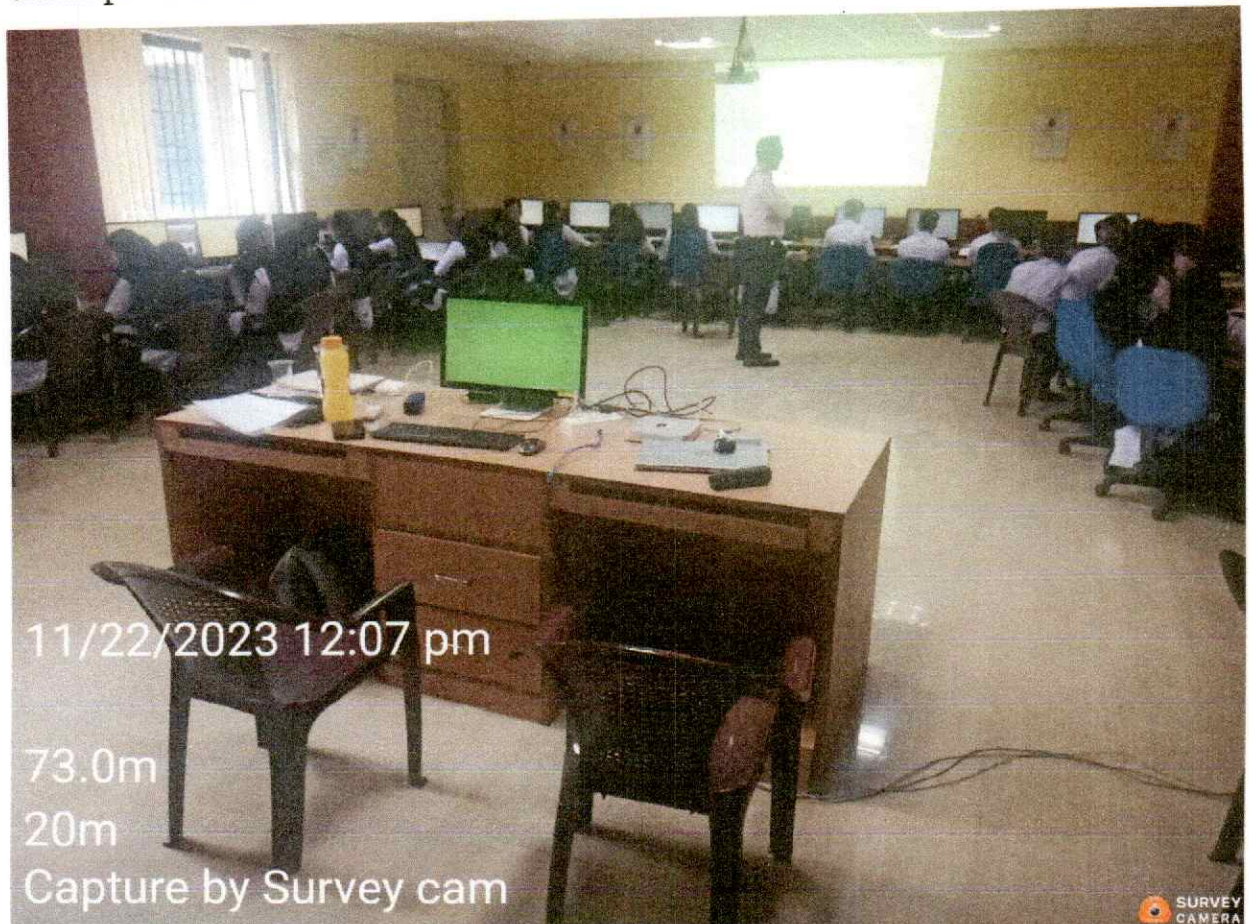


The program was started informally by introducing the trainer Mr. Maheswar Govindaraju to the students by the coordinator Mr. Venkatesh. After the introduction of the trainer, HOD CSE suggested the students to grab the opportunities of the training and to develop some apps in this environment. Chief guest of the inaugural function Mr. Nithin in his speech, informed the students to grab the opportunity of getting the free internship training the company.

3. Course Sessions

The trainer Mr. Maheswaran Govindaraju started the training beginning with displaying the message string using Swift C.

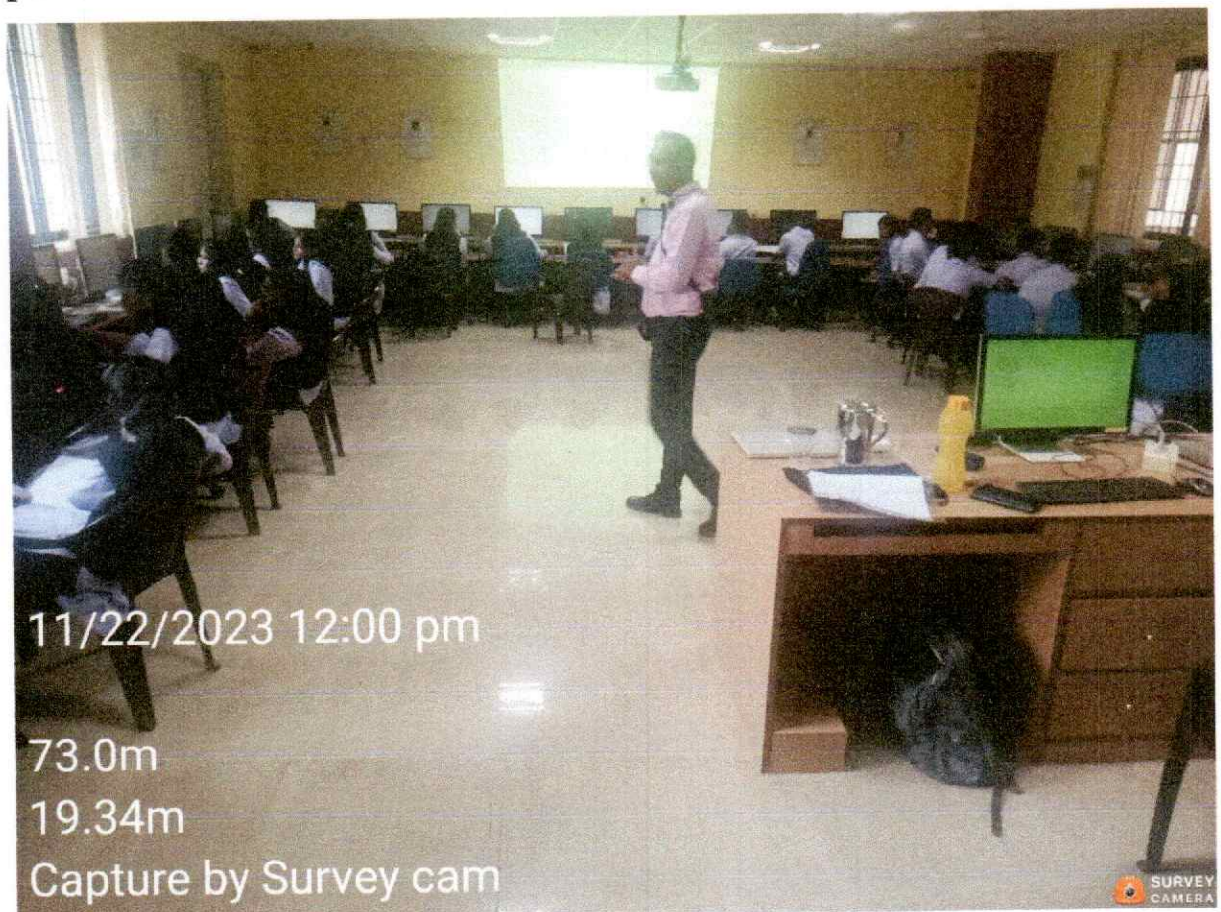
In the first day (22nd November 2023) morning session the trainer covered the very basic knowledges on Swift C Programming with hands on examples. With this training Students gain the knowledge on writing the simple programs in Swift C using X Code environment. He made the students to work with many more examples in Swift C.



During the afternoon session on 22nd November 2023, the trainer trained the students on how to create the iOS Application. He demonstrated the very simple iOS app by designing the simple user interface with two label boxes, two text boxes and one

command button. The students were learnt how to program for this user interface to work.

On 23rd November 2023, the trainer gave some more inputs on how to define the Swift functions and how to call it. During the afternoon session, he trained the students with another exercise to design and develop a mini calculator app in iOS environment. Almost all students were implemented this app successfully. Many Students designed different types of user interfaces for this app as per their wish. This is extended on 24th November 2023 also.



The students were enjoyed in this training with writing and executing the programs to few simple problems like performing arithmetic operations and other exercises in Swift C with Xcode environment. They also enjoyed very much in designing and developing mini-iOS app like simple calculator.

On 25th November 2023, the trainer taught the students to design the game development by designing the Tic-Tac Toe game. He also trained the students how to generate the random numbers and how to use it in our applications. He made the students to work with it by playing with the random number generation.



During the After-noon session, the trainer trained the students about back-end software and its installations. He trained the students on installation of Python, Django, SQLite, and other supporting software. He also demonstrated with working of SQLite and Django by creating a student simple Database and tables. He verified all the students that whether they created the student database successfully or not. He cleared the doubts raised by the students and he corrected the few errors during the training.

On 27th November 2023 Morning session, the trainer continued his training to the students in working on these back-end. He gave several examples and made the students to work on these. Students studied CRUD Operations using Postman API.



During the after-noon session on 27th November 2023, the students studied how to merge the multiple page app. He demonstrated with an example of multipage app and merging these multiple pages. Students followed the same steps and understood this concept.

On 28th November 2023, in the morning session, the students learnt how to build a Personapp using Django, thunderbolt API.

In the afternoon session, the students are applying the CRUD Operations on Personapp.

On the 29th November 2023, the trainer continued his training to the students with Personapp.

He gave an assignment to the students to build studentapp and apply CRUD Operations on it.

Finally, the training is closed with a informal valedictory function. The AIET Skill coordinator Mr. Rohith informed the students to apply this knowledge gained during the training period in developing an app and upload it to the Appstore.



Mr. Rohith also suggested the students to contact the trainer Mr. Maheswaran Govindaraju any time when they get problem in building their app.



4 List of Students Registered

There are 41 students were registered for Apple iOS programming using Swift C and X Code from III SEM CSE during the academic year 2023-2024. Out of this, 36 students were benefited from this training.

1.	4AL22CS007	Akhilesh H R
2.	4AL22CS015	Apoorva
3.	4AL22CS025	Bhoomika R
4.	4AL22CS030	Chethan Kumar
5.	4AL22CS040	Divya
6.	4AL22CS042	Elluri Chaitanya Srinivas
7.	4AL22CS045	Gajendra A
8.	4AL22CS046	Gayatri M Baligar
9.	4AL22CS047	Glanil Tauro
10.	4AL22CS053	H Manjula
11.	4AL22CS058	Harshitha H N
12.	4AL22CS068	K Veeresh
13.	4AL22CS069	Kanishka Shetty
14.	4AL22CS075	Keerthana M
15.	4AL22CS079	Kusuma C D
16.	4AL22CS082	Mahima Nayak
17.	4AL22CS083	Mallika K
18.	4AL22CS085	Megha Basavaraj Tambakad
19.	4AL22CS087	Mehek H N
20.	4AL22CS090	Mohidin Ahmed Kabeer
21.	4AL22CS091	Nausha Tendulkar
22.	4AL22CS093	Nikshitha P Rai
23.	4AL22CS094	Nisarga S
24.	4AL22CS095	Nishitha Suvarna
25.	4AL22CS096	Nishmitha S Shetty
26.	4AL22CS100	Pavitra Ishwarappa Talawar
27.	4AL22CS106	Prathamesh Shetty
28.	4AL22CS107	Prathi U Shetty
29.	4AL22CS119	Rithika P Shetty
30.	4AL22CS124	Sakshi
31.	4AL22CS146	Shivaleela Kalasad
32.	4AL22CS151	Shraddhitha P Shettigar
33.	4AL22CS165	Srushti N B
34.	4AL22CS175	Swapnil Sambhaji Alori
35.	4AL22CS185	Varshitha R
36.	4AL22CS189	Yoghana B K

OUTCOME

Total 41 students were registered. 36 students were attended the training program regularly and got benefitted by this training.


COORDINATOR

(Mr. VENKATESH)


HOD CSE
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Date: 20-01-2024

AIET

From

VENKATESH

Faculty Coordinator

Apple iOS LAB

Department of CSE

AIET Moodbidri

To

The Principal

AIET Moodbidri

Through

The HOD CSE

Department of CSE

AIET Moodbidri

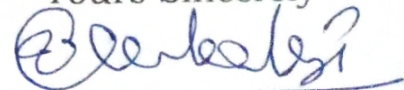
Sub: Permission to Conduct Eight Days Week-End online FDP on Apple iOS Programming using Swift C and Xcode

Respected Sir,

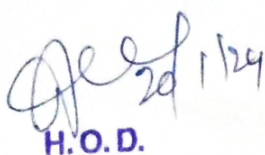
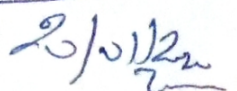
Department of CSE is planned to conduct Eight Days Week End online FDP on Apple iOS Programming using Swift C and Xcode on every Friday and Saturday in our college Apple iOS LAB from 1st February 2024 to 24th February 2024. I request you to grant the permission.

Thanking You

Yours Sincerely

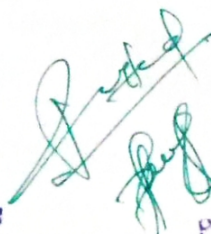


(VENKATESH)



H.O.D.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Apple iOS Online FDP Using Swift and X Code

ATTENDANCE SHEET

	NAME	02/02/2024		03/02/2024		09/02/2024		10/02/2024		16/02/2024		17/02/2024		23/02/2024		24/02/2024	
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1.	Mr. Venkatesh	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
2.	Dr. Bramha Prakash	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
3.	Dr. Chandra Naik	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
4.	Ms. Ranjini	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
5.	Ms. Devika	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
6.	Ms. Yakshitha	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
7.	Mr. Prashanth Kumar	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
8.	Mrs. Deeksha M	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
9.	Mrs. Deepika Kamath	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
10.	Mrs. Niveditha	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
11.	Ms. Rincy Jaicob	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
12.	Dr. G. Srinivasan	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
13.	Dr. Aslam Nandyal	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
14.	Mr. Prathap	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
15.	Mr. Rizwan Shaikh	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
16.	Mrs. Vidya	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP

[Signature]
COORDINATOR

[Signature]
HOD CSE
H.O.D.

ALVA'S INSTITUTE OF ENGINEERING &
TECHNOLOGY, MOODBIDRE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Apple iOS LAB

A Report of Eight Days
Faculty Development Program
on

**"Apple iOS App Development
Programming using Swift C and X Code"**

(02nd February 2024 – 24th February 2024)

By: Apple Corporation

2023-24

Apple iOS Training for Faculty Members

Department of CSE arranged Eight Days online Faculty Development Training Program for the faculty members of CSE Department AIET Moodbidri. The training program was started from 2nd February 2024 to 24th February 2024 every Friday and Saturday.

There are two trainers for the Faculty Development Program

Mr. Amith Gulati	Director at Codevarsity New Delhi. He is an Apple Certified Trainer Mentor (https://www.linkedin.com/in/gulatiamit/?originalSubdomain=in)
Dr. Shashidhara H S	Professor, MS Ramaiah Institute of Technology, Bangalore. He is also a Apple Certified Trainer.

All sessions are taken as per the guidance of the chief trainer Mr. Amith Gulati.

Training Details:

On 2nd February 2024, In the Morning Session. The trainer Mr. Amith Gulati started with creating Apple ID and registering into Slack for class room discussion during beyond the training time. All the participants created Apple ID and Slack ID.



During Afternoon Session, Dr. Shashidhara H S started his hands on session by executing some simple programs on Swift C in Xcode Playground platform. In this session, he covered the topics like Displaying the message, creating the constants and variables, different data types, arithmetic operations, Type inferences and Type annotations etc...



On 3rd February 2024, in Morning session, Dr. Shashidhara H S continued his session and covered the concepts of Control Flow and strings.

On 9th February, 2024, Mr. Amith Gulati covered the topics on basics of the functions and He gave the introduction to iOS Programming using swift C by creating small gadgets in the view and how to execute the program.

During the afternoon session, Dr. Shashidhara H S covered the detailed concepts on strings and functions in swift C and Structures.

On 10th February 2024, Morning session, Mr. Amith Gulati explored the layers of Xcode. And he made us to do some simple application in iOS. He also covered the basic concepts of structures in Playground.

In the After Session, Dr. Shashidhara H S guided us to implement one light App in iOS platform. All the participants implemented this App. He also covered the various concepts on Structures, and classes.



On 16th February 2024, Mr. Amith Gulati, refreshed the concepts on swift C Classes. Detailed concepts of structure and classes, differences between these, and Basics of Collections etc...

During the afternoon session, Dr. Shashidhara H S, covered the detailed portions on various Collections. He also made us to implement the small app using Switches, Sliding window and other controls in iOS platform. He also told us to create a multiple view Controllers.

COORDINATOR

(Mr. VENKATESH)

A handwritten signature in blue ink, appearing to be 'Venkatesh'.

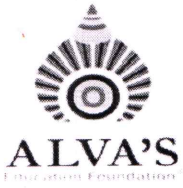
A handwritten signature in blue ink, appearing to be 'H. O. D.'.
HOD CSE
H. O. D.

Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOOBBIDRI - 574 225

A handwritten signature in green ink, appearing to be 'Principal'.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 19/04/2024

From

VENKATESH

Senior Associate Professor

Department of Computer Science and Engineering

Alvas Institute of Engineering and Technology

Mijar, Moodbidri

To

The PRINCIPAL

AIET

Mijar, Moodbidri

Through

The HOD CSE

AIET Moodbidri

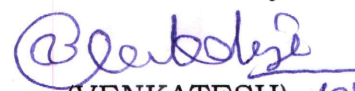
Sub: Weekdays training program on **"Fundamentals of iOS Programming"**

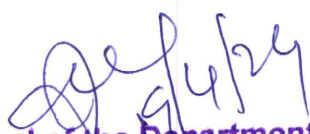
Respected Sir,

Department of Computer Science and Engineering AIET decided to conduct Weekdays Training Program on **"Fundamentals of iOS Programming"** to IV SEM CSE Students from 29th April 2024 till the end of the semester. In this training program, IV SEM CSE Class will be divided into six batches. Each batch will get three hours of the training in each week. I request you to permit for conducting this training program in AIET Apple iOS Lab. I hope you will consider this request letter and do the needful.

Thanking You

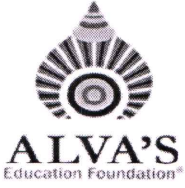
Yours faithfully


(VENKATESH) 19/04/2024


Head of the Department

Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodbidri - 574 225, D.K. Karnataka, India


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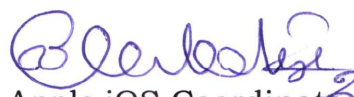
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

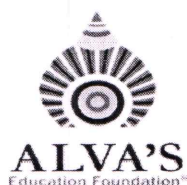
CIRCULAR

27-04-2024

Department of Computer Science and Engineering, AIET is planned to organize a weekdays training program on **“Fundamentals of iOS Programming”** for IV SEM CSE Students. In this regards, IV SEM CSE Class is divided into six batches. Each batch will get a three hours training session in every week. The students batchwise list and timing of training for each batch is displayed in the notice board. All the students are hereby informed to the training as per the allotted slot in every week.


Apple iOS Coordinator 27/4/24


HOD CSE
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidri - 574 225, D.K. Karnataka, India



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

(Autonomous Institution affiliated to VTU, Belagavi)

(Accredited by NAAC with A+ Grade, and Accredited by NBA New Delhi 2019-2025)

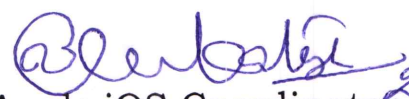
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Weekdays Training Program on "Fundamentals of iOS Programming"

For IV SEM CSE Students

Timing Slot for each Batch

DAY	MORNING SESSION (09.50 AM To 12.50 AM)	AFTERNOON SESSION (01.40 PM To 04.40 PM)
MONDAY	IV SEM CSE C1 BATCH	
TUESDAY		IV SEM CSE B1 BATCH
WEDNESDAY	IV SEM CSE C2 BATCH	
THURSDAY	IV CSE A1 BATCH	IV SEM CSE B2 BATCH
FRIDAY	IV SEM CSE A2 BATCH	


Apple iOS Coordinator 27/04/2024


HOD CSE

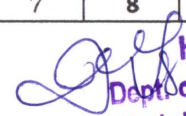
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

Department of Computer Science and Engineering

Week days Apple IOS Training

USN	NAME	1	2	3	4	5	6	7	8	9	10	11	12	13
		2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
		5	5	5	5	5	6	6	6	6	7	7	7	7
		2	9	16	23	30	6	13	20	27	4	11	18	25
4AL22CS001	ABHISHEK B	1	2	A	3	4	5	A	6	7	8	9	10	A
4AL22CS002	ABHISHEK GOWDA G R	1	A	2	3	4	5	6	7	8	9	A	A	A
4AL22CS003	ABHISHEK R ALLAPUR	A*	A	A	1	2	3	4	5	6	7	A	A	A
4AL22CS004	ADHYA H SHETTY		2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS005	ADVITH V SUVARNA	1	2	A	3	A*	A*	4	5	6	7	8	9	10
4AL22CS006	AKHIFA SHEIK	A	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS007	AKHILESH H R	A	1	2	3	4	5	6	7	8	9	10	11	A
4AL22CS008	AKSHAY REVANASIDDAPPA BANGARI	1	2	3	4	5	6	7	8	9	10	11	12	A
4AL22CS009	ALAN C RAJU	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS010	AMITH GOWDA H M	1	2	3	4	5	6	7	8	9	10	11	12	A
4AL22CS011	AMRUTHA M	A	1	A	2	3	4	A	5	6	7	8	9	10
4AL22CS012	ANSIL KUMAR	A	1	2	A*	3	4	5	6	7	8	9	10	11
4AL22CS013	ANUSH	1	2	A	3	4	5	6	7	8	9	10	11	12
4AL22CS014	ANUSHA K N	A	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS015	APOORVA	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS016	APOORVA	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS017	ARUN	A	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS018	ARVIND KUMAR OJHA	A	1	2	3	4	5	6	7	8	A	9	10	11
4AL22CS019	ASHRITHA	A	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS020	AYESHATUL HAFEEZA	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS021	B B NAIK	1	2	A	A	A	3	4	5	6	7	8	9	10
4AL22CS022	BASAVARAJ	1	2	3	4	5	6	7	8	9	10	11	12	A
4AL22CS023	BHARATH H D	A	1	A	2	3	4	5	6	7	8	9	10	11
4AL22CS024	BHARATH M	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS025	BHOOMIKA R	1	2	3	4	5	A	6	A	7	8	9	10	11
4AL22CS026	BRIJESH S K	1	2	A	3	4	5	6	7	8	9	10	11	12
4AL22CS027	CHARAN KUMAR V	1	2	3	4	5	A	A	6	A	A	A	A	A
4AL22CS028	CHARISHMA G	1	2	3	4	5	6	7	8	9	A	10	12	13
4AL22CS029	CETHAN D B	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS030	CETHAN KUMAR	1	2	3	4	5	6	7	8	9	10	11	12	13
4AL22CS031	CETHAN L R	A*	1	2	A	3	4	5	6	7	8	9	10	11
4AL22CS032	CHINMAY GOWDA H V	1	2	3	4	5	6	7	A	8	9	A	A	A
4AL22CS033	CHIRASHRI	1	2	3	4	5	6	7	8	9	10	11	12	13

Blasquez


Head of the Department
 Dept. of Computer Science & Engineering
 Alva's Institute of Engineering and Technology
 Mijar, Moodubidire - 574 225, D.K, Karnataka

Department of Computer Science and Engineering
Week days Apple IOS Training

USN	NAME	1	2	3	4	5	6	7	8	9	10	11
		2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
		5	5	5	5	6	6	6	6	7	7	7
		10	17	24	31	7	14	21	28	5	12	19
4AL22CS034	DARSHAN B	1	2	3	4	5	6	7	8	9	10	11
4AL22CS035	DEEPAK	1	2	3	4	5	6	7	8	9	10	11
4AL22CS036	DEEPIKA N	A	A	1	2	A	A	3	4	5	6	7
4AL22CS037	DEVIKA S A	1	A	2	3	4	5	6	7	8	9	10
4AL22CS038	DHANARAJ SHRISHAIL BIRADAR	A	A*	1	2	3	4	5	6	7	8	9
4AL22CS039	DISHA M	1	2	3	4	A	A	5	6	7	8	9
4AL22CS040	DIVYA	1	2	3	4	5	6	7	8	9	10	11
4AL22CS041	DIYA RAI	1	2	3	4	5	6	7	8	9	10	11
4AL22CS042	ELLURI CHAITANYA SRINIVAS	1	2	3	4	5	6	7	8	9	10	11
4AL22CS043	FAIZA	1	2	3	4	5	6	7	8	9	10	11
4AL22CS044	GAGAN	1	2	3	4	5	6	7	8	9	10	11
4AL22CS045	GAJENDRA A	1	2	A	3	4	5	6	7	8	9	10
4AL22CS046	GAYATRI M BALIGAR	1	A	2	3	4	A	5	6	7	8	9
4AL22CS047	GLANIL TAURO	1	2	3	4	5	6	7	8	9	10	11
4AL22CS048	GOURI KARABASAPPA BANAKAR	A	1	2	3	4	5	6	7	8	9	10
4AL22CS049	GOWDA MIILEE MADANKUMAR	1	2	3	4	5	6	7	8	9	10	11
4AL22CS050	GRISHMA PRASHANT BHANDARE	1	A	2	3	A	A	4	5	6	7	8
4AL22CS051	H I AKSHAY	A	1	2	3	4	5	6	7	8	9	10
4AL22CS052	H L RAKSHA	1	2	3	4	5	6	7	8	9	10	11
4AL22CS053	H MANJULA	1	A	2	3	4	5	6	7	8	9	10
4AL22CS055	HARSHA C R	1	A	2	3	4	5	6	7	A	A	A
4AL22CS056	HARSHITH L S	1	A	2	3	4	5	6	7	A	A	A
4AL22CS057	HARSHITHA D BANGERA	1	2	3	4	5	6	7	8	9	10	11
4AL22CS058	HARSHITHA H N	1	A	2	3	4	5	6	7	8	9	10
4AL22CS059	HARSHITHA M	1	2	3	4	5	6	7	8	9	10	11
4AL22CS060	HARSHITHA M	1	A	2	A*	A	A	3	4	5	6	7
4AL22CS061	HEETHA SHREE S	1	2	3	A	4	5	6	7	8	9	10
4AL22CS063	INCHARA ANGADI	A	1	2	3	4	5	6	7	8	9	10
4AL22CS064	INDRAJITH S	1	A	A	2	3	4	5	6	7	A	A
4AL23CS400	ANNAPURNESHWARI	A	1	2	3	4	5	6	7	8	9	10
4AL23CS401	ANVETHA H M	1	2	3	4	5	6	7	8	9	10	11
4AL23CS402	JYOTHI BHOKARE	1	2	3	4	5	6	7	8	9	10	11
4AL23CS403	LAKSHMIPRASAD D YADAV	1	2	3	4	5	6	7	8	9	10	11
4AL23CS404	RACHANA M	1	2	3	4	5	6	7	A*	A*	A*	8

Beentale

[Signature]
Head of the Department
Dept. of Computer Science & Engineering
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Mijar, Moodubidre - 574 225, D.K. Karnataka, India

Department of Computer Science and Engineering

Week days Apple Ios Training

		1	2	3	4	5	6	7	8	9	10	11
		2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
USN	NAME	4	5	5	5	5	6	6	7	7	7	7
		30	7	14	21	28	18	25	2	2	16	23
4AL22CS065	JAYALAKSHMI C	1	A	A*	A*	2	3	4	A	A	5	6
4AL22CS066	JEEVAN K	1	2	3	A	3	4	5	6	6	A	A
4AL22CS067	K JEEVAN KUMAR	1	2	3	4	5	6	7	8	8	9	10
4AL22CS068	K VEERESH	1	2	3	4	5	6	7	8	8	9	10
4AL22CS069	KANISHKA SHETTY	1	2	3	A*	4	5	6	7	7	8	9
4AL22CS070	KARAN	1	A	2	3	A	4	A	5	5	6	7
4AL22CS071	KARTHIK N	1	2	3	4	5	6	7	8	8	9	10
4AL22CS072	KARTHIKEYA J S	1	2	3	A*	4	5	6	7	7	8	9
4AL22CS073	KAVYA S	1	2	3	4	A	A	5	6	6	7	9
4AL22CS074	KAVYASHREE	1	2	3	A*	4	5	6	7	7	8	9
4AL22CS075	KEERTHANA M	1	2	3	4	5	A	6	7	A	A	8
4AL22CS076	KEERTHANA R S	1	2	3	4	5	A	6	7	7	8	9
4AL22CS077	KEERTHIRAJ S B	1	2	3	A*	4	5	6	7	7	8	9
4AL22CS078	KIRAN KUMAR	1	2	3	4	5	6	7	8	8	9	10
4AL22CS079	KUSUMA C D	1	2	3	4	5	A	6	7	7	A	8
4AL22CS080	LAKSHMI SHIVABASAPPA BANAKAR	1	A	2	3	4	5	6	7	7	8	9
4AL22CS081	LOHITH B R	1	2	A	A	3	4	5	6	6	A	7
4AL22CS082	MAHIMA NAYAK	1	2	3	4	5	6	7	8	8	9	10
4AL22CS083	MALLIKA K	1	2	3	4	5	6	A	7	8	9	10
4AL22CS084	MANOHARI B R	1	A	2	3	A	4	5	6	6	7	8
4AL22CS085	MEGHA BASAVARAJ TAMBAKAD	A	1	2	3	4	5	6	7	7	A	8
4AL22CS086	MEGHANA N K	1	2	3	4	A	5	A*	6	6	A*	7
4AL22CS087	MEHEK H N	1	2	3	4	5	A	6	7	7	A	8
4AL22CS088	MERLYN LUVIS ALMEIDA	1	2	3	4	5	6	7	8	8	9	10
4AL22CS089	MOHAMMED AHAZAR	1	2	3	4	5	A	6	7	7	8	A
4AL22CS090	MOHIDIN AHMED KABEER	A	A	1	2	3	A	A	4	4	5	6
4AL22CS091	NAUSHA TENDULKAR	1	2	3	4	5	6	7	8	8	9	10
4AL22CS092	NEHA N RAO	1	2	3	4	5	A	6	7	7	8	9
4AL22CS093	NIKSHITHA P RAI	1	2	3	4	5	6	7	8	8	9	10
4AL22CS094	NISARGA S	1	2	3	A	4	5	6	7	7	8	9
4AL22CS095	NISHITHA SUVARNA	1	2	3	4	5	6	7	8	8	9	10
4AL22CS096	NISHMITHA S SHETTY	1	2	3	4	5	6	7	8	8	A*	9
4AL22CS097	PADMARAJ PRAPHULL KURUNDWADE	1	2	3	4	5	6	7	8	8	9	10
4AL22CS098	PALLAVI	1	2	3	4	5	6	A	7	7	8	9
4AL22CS099	PAVAN KUMAR H R	1	2	3	4	5	6	7	8	8	9	10

Blenbeale

Head of the Department
 Dept. of Computer Science & Engineering
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Department of Computer Science and Engineering
Week days Apple iOS Training

		1	2	3	4	5	6	7	8	9	10	11	12
		2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
USN	NAME	5	5	5	5	5	6	6	6	6	7	7	7
		2	9	16	23	30	6	13	20	27	4	11	18
4AL22CS100	PAVITRA ISHWARAPPA TALAWAR	A	1	A	2	3	4	5	6	7	8	9	10
4AL22CS101	POOJA K R	A	1	A	2	3	A	4	5	6	7	8	9
4AL22CS102	PRAJWAL	1	2	A	3	4	5	6	7	8	9	10	11
4AL22CS103	PRAMOD K S	A	1	2	3	4	5	6	7	A	8	A	A
4AL22CS104	PRANATHI BHAT	1	A	2	3	4	5	6	7	8	9	10	11
4AL22CS105	PRANAV TIRAKANAGOUDAR	A	A	1	2	3	4	5	6	7	8	9	A
4AL22CS106	PRATHAMESH SHETTY	A	1	2	A	3	4	5	6	7	8	A	9
4AL22CS107	PRATHI U SHETTY	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS108	PREETHAM DEVADIGA	A	1	A	2	3	4	5	6	7	8	9	10
4AL22CS109	PREETY KAKCHINGTABAM	1	2	3	4	A	5	6	7	8	9	10	11
4AL22CS110	PRIYANKA	A	A	A	1	2	A	3	4	5	A*	A*	6
4AL22CS111	PUTTARAJU D P	1	2	3	4	5	6	A	A	7	8	9	6
4AL22CS112	RAGHAVENDRA P KARJAGI	A	A	1	2	3	4	5	6	7	8	9	10
4AL22CS113	RAHUL S KOTI	A	1	A	2	A	3	4	5	6	7	8	9
4AL22CS114	RAJESHWARI	A	A	1	2	3	4	5	6	7	8	9	10
4AL22CS115	RAKSHITH V RAO	1	2	3	4	5	6	7	8	9	10	A	11
4AL22CS116	RAKSHITHA	A	1	2	3	4	5	6	7	8	9	10	11
4AL22CS117	RASHMITHA M S	1	2	A	3	4	5	6	7	8	9	A	10
4AL22CS118	RAVITEJ C NEELI	1	2	A	3	4	5	6	7	8	9	A	10
4AL22CS119	RITHIKA P SHETTY	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS120	ROHINI R BANAGAR	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS121	ROSHAN S	1	2	A	3	4	5	6	7	8	9	10	11
4AL22CS122	SAHANA G	1	2	3	4	5	6	7	8	9	10	11	12
4AL22CS123	SAHANA U	A	1	A	2	3	4	5	6	7	8	9	10
4AL22CS124	SAKSHI	A	1	2	3	4	5	6	7	8	9	10	11
4AL22CS125	SAKSHI B K	1	2	3	A	4	5	6	7	8	9	10	11
4AL22CS126	SAKSHI SHETTY	A	1	A	2	3	4	5	6	7	8	9	10
4AL22CS127	SAMBRAM	A	1	2	A	3	4	5	6	7	8	9	10
4AL23CS405	RAKESH RAJESH PATTAR	A	A	1	2	3	4	5	6	7	8	9	10
4AL23CS406	SACHIN IRANNA MUNDAS	1	2	3	4	5	6	7	8	9	10	11	A
4AL23CS407	SANIYA VATURI	1	2	3	4	5	A	6	7	8	9	10	11
4AL23CS408	SHRAVANA GOWRI	1	2	3	4	5	A	6	A	7	A*	A*	8

Signature

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Head of Department
Department of Computer Science and Engineering

Department of Computer Science and Engineering
Week days Apple IOS Training

		1	2	3	4	5	6	7	8	9	10	11
USN	NAME	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
		4	5	5	5	5	6	6	6	7	7	7
		29	6	13	20	27	3	10	24	1	15	22
4AL22CS128	SAMEEKSHA SHETTY	1	2	3	A	4	A	5	6	7	8	9
4AL22CS129	SANJANA MADI	1	2	3	4	5	6	7	8	9	10	11
4AL22CS130	SANJAY N	A	A	A	A	1	A	2	3	4	5	6
4AL22CS131	SHARANYA	1	2	3	A	4	5	6	7	8	9	10
4AL22CS132	SHARANYA R	1	A	2	A	3	4	5	6	7	8	9
4AL22CS133	SHARATH	1	2	3	4	5	6	7	8	9	10	11
4AL22CS134	SHARATH KUMAR B	1	A	A	2	A	A	A	A	A	A	A
4AL22CS135	SHASHANK BHANDARY	1	2	3	A	4	A	5	6	7	8	9
4AL22CS136	SHASHANK D	A	1	2	3	4	5	6	7	8	9	10
4AL22CS137	SHASHANK D P	1	2	3	4	5	6	7	8	9	10	11
4AL22CS138	SHASHANK S SHEELAVANTAR	1	2	3	A	4	5	6	7	8	9	A
4AL22CS139	SHASHWATI B U	1	2	3	A	4	A	5	6	7	8	A
4AL22CS140	SHERIN	1	2	3	4	5	6	7	8	9	10	11
4AL22CS141	SHETTY KRISHMA KRISHNA	1	2	3	4	5	6	7	8	9	10	11
4AL22CS142	SHETTY PRAKHYAT PRAKASH	1	2	3	4	5	6	7	8	9	10	11
4AL22CS143	SHETTY SAMAY DEEPAK	1	2	3	A	4	5	6	7	8	9	10
4AL22CS144	SHETTY VINITH VIJAY	1	2	3	4	5	6	7	8	9	10	11
4AL22CS145	SHIVAKUMAR V	1	2	3	A	4	5	6	7	8	9	10
4AL22CS146	SHIVALEELA KALASAD	1	2	3	4	5	6	7	8	9	10	11
4AL22CS147	SHIVANI KAMATH	1	2	3	A	4	5	6	7	8	9	10
4AL22CS148	SHIVAPRASAD R K	1	2	3	4	5	6	7	8	9	A	10
4AL22CS149	SHLAGHANA	1	A	2	A	3	A	4	5	6	7	8
4AL22CS150	SHODHAN KUMAR SHETTY	1	2	3	A	4	A	5	6	7	8	9
4AL22CS151	SHRADDHITHA P SHETTIGAR	1	2	3	4	5	6	7	8	9	A	10
4AL22CS152	SHRAVAN	1	A	2	3	4	5	6	7	A	8	9
4AL22CS153	SHRAVANKUMAR CHANDRASHEKHARA	A	1	2	A	A	3	4	5	6	7	8
4AL22CS154	SHRAVYA	1	2	A	3	4	5	6	7	8	9	10
4AL22CS155	SHRAVYA P SHETTY	A	1	2	3	4	5	6	7	8	9	10
4AL22CS156	SHRAVYA S M	1	A	2	A	3	4	A	5	6	7	8
4AL22CS157	SHREYA RAJENDRA GAONKAR	1	A	2	A	3	A	4	5	6	7	8
4AL22CS158	SHREYAS PUTHRAN	1	2	3	A	4	A	5	6	7	8	9
4AL22CS159	SIDDHARTH KANABARGI	A	A	A	A	1	2	3	4	5	A	6
4AL22CS160	SOWMYA SHETTY	1	2	3	A	4	5	6	7	8	9	10
4AL22CS161	SPOORTHY	1	2	3	A	4	5	6	7	8	A	9
4AL22CS162	SRIJAN G ANGADI	A	A	1	2	3	4	5	A	6	A	7

(Signature)

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Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

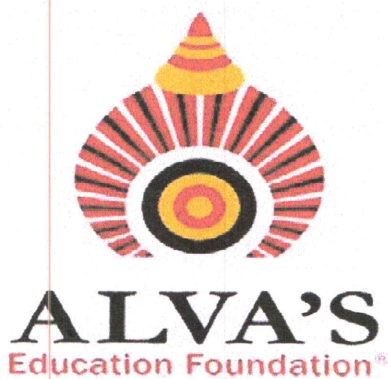
Department of Computer Science and Engineering
Week days Apple IOS Training

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4AL22CS163	SRIRAKSHA	1	A	2	3	4	A	5	6	7	8
4AL22CS164	SRUJAN B N	1	2	A	A	A	A	A	A	A	3
4AL22CS165	SRUSHTI N B	1	2	3	4	5	6	7	8	9	10
4AL22CS166	SUDEEKSHA SHETTY	1	2	3	4	5	6	7	8	9	10
4AL22CS167	SUDEEP YALLAPPA KALAPUR	A	1	2	3	4	5	6	7	8	9
4AL22CS168	SUMANTH	1	2	3	4	5	6	7	8	9	10
4AL22CS169	SUMANTH L	1	2	3	4	5	6	7	8	9	10
4AL22CS170	SUMANTH S	A	1	2	3	4	5	6	7	8	9
4AL22CS171	SURAJ	1	2	3	4	5	6	A	7	8	9
4AL22CS172	SURAKSHA B R	1	A	2	3	4	5	6	7	8	9
4AL22CS173	SUSHMITHA	1	2	3	4	5	6	7	8	9	10
4AL22CS174	SWANJITH A K	1	2	3	4	5	6	A	7	8	9
4AL22CS175	SWAPNIL SAMBHAJI ALORI	1	2	3	4	5	6	7	8	9	10
4AL22CS176	SWAROOP SHRINIVAS SALIAN	1	2	3	4	5	6	7	8	9	10
4AL22CS177	SWEEKRITHI SHETTY	1	2	3	4	5	6	7	8	9	10
4AL22CS178	TANGEVVA RUDRAPPA GADA	1	2	3	4	5	6	7	8	9	10
4AL22CS179	TARUN SHRAVANKUMAR AGA	1	2	3	4	5	6	7	8	9	10
4AL22CS180	THRISHA M S	1	2	3	4	5	6	7	8	9	A
4AL22CS181	V ADITYA	A*	1	2	3	4	5	6	7	8	9
4AL22CS182	VAIBHAVI MALEMATH	A	1	2	3	A*	A	A	4	5	6
4AL22CS183	VAIGAS LOYSTON VINCENT	1	2	3	4	5	6	7	8	9	10
4AL22CS184	VANDANA H M	1	2	3	4	5	6	7	8	9	10
4AL22CS185	VARSHITHA R	1	2	3	4	5	6	7	8	9	10
4AL22CS186	VARUN H M	A	1	2	3	4	5	6	7	8	A
4AL22CS187	VARUN N R	1	2	3	4	5	6	7	8	9	10
4AL22CS188	YOGESHWARA B	1	2	3	4	5	6	7	8	9	10
4AL22CS189	YOGHANA B K	1	A	2	3	4	5	6	7	8	9
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4AL23CS410	SOUNDARYA SUDHIR SAPARE	A	1	2	3	A	A	A	4	5	6
4AL23CS411	SRUSHTI E B	1	2	3	4	5	6	7	8	9	10
4AL23CS412	THRISHA K S	1	2	3	4	5	6	A	7	8	9

(Signature)

(Signature)
1/8/24
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidre - 574 225, D.K. Karnataka, India

**ALVA'S INSTITUTE OF ENGINEERING &
TECHNOLOGY, MOODBIDRE**



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Apple iOS LAB

**A Report of Week Days Training on
“FUNDAMENTALS OF iOS PROGRAMMING”**

(29th APRIL 2024 – 25th JULY 2024)

For IV SEM CSE Students

By: Mr. Venkatesh

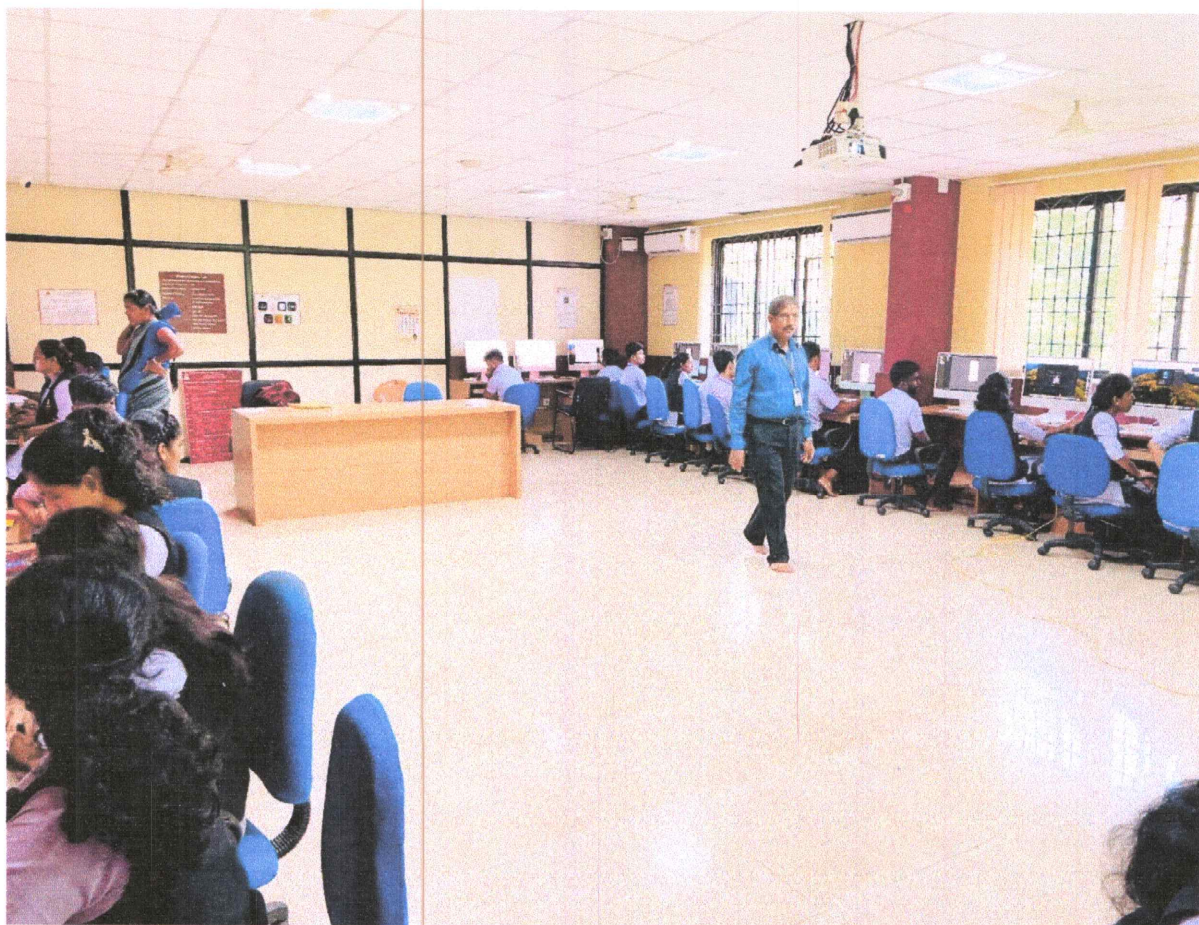
2023–24

CONTENTS

- 1. Introduction**
- 2. Syllabus Covered**
- 3. List of Programs**
- 4. Apple Guided Projects**
- 5. OutCome**

1. Introduction

Department of CSE organized a Week Days training Program on “Fundamentals of iOS Programming” for the students of Fourth Semester B.E. CSE. The training was held from 29th April 2024 to 27th July 2024 three hours in a week for every student.



Mr. Venkatesh, Senior Associate Professor in the Department of CSE AIET, was the Trainer of this training Program. As per the direction of Dr. Manjunath Kotari, HOD CSE, all the students of fourth semester CSE class were the participants of this program. The trainer, Mr. Venkatesh divided the students into six groups having maximum of 34 students in each group. Each group students are trained three hours in every week. Ms. Yakshitha is the lab instructor helped the students in timely execution of the day-wise programs.

2. Syllabus Covered

The trainer Mr. Venkatesh started with Simple Program execution using Swift C Language. He covered various basic features of Swift C Programming Language like Strings, Arithmetic Operators, Logical Operators, Control Statements, Looping constructs, Arrays, Structures, Classes, Swift Optionals etc... He took around three weeks session for swift C



After Swift C, he started the iOS Programming. He begins with introducing the Components of the iOS Programming environment and its usage. He started with designing a simple iOS App called "**LightOnOff**". He continued his training by guiding the students to implement the similar App called "**ColourToggle**". He guided the students to implement these apps in many ways, by using UIButtons, by using UISwitches etc...

3. List of Programs

The trainer covered the all the fundamentals of iOS App Development during his training period. Few fundamental iOS Apps were developed by the students. He also engaged the students in building three Apple guided projects.



The students are actively participated in the training program. The trainer guiding the students how to clear the different types of bugs. The bugs created by outlets and actions, the bugs created by swift files, etc....

The Few hostel students are also interested in working during late evening from 5 PM to 8 PM. If any students are pending with the program implementation, they finished it by sitting late evening in the Apple iOS Lab till 8 PM.

The list of Apps and guided projects are mentioned here below.

1 ColorToggle App

Design Three Buttons in the view and name them as “BuleGreen”, “RedYellow”, “FourToggle”. First two buttons will toggle the respective colors. For FourToggle Button, the colour should toggled from White → Purple → Green → Yellow → White ...

2 COPY EXERCISE

Design Two Labels, One Text Field and a Button on the view. Name the First Label with your First Name. Name the second Label with Last Name. Name the Button “SUBMIT”. By clicking the SUBMIT button, The Full name should be copied into TextField.

3 ArithmeticCalculation App

Design Two TextFields with Larger Font Size and Bold. Design Four Buttons with names “ADD”, “SUBTRACT”, “MULTIPLY” and “DIVIDE” respectively. During the Execution, User should enter One integer Number in one textField and another integer Number in another text Field. By Clicking on any one Button, Perform the respective operation on these two numbers and display the result in the Third Text Field.

4 NameSplit App

Design a Label Field containing Full Name. (Full Name may have First Name, Middle Name, and Last Name). Design Three Text Fields and One Button. Name the Button as “SPLIT”. Name the textFields as FirstName, MiddleName, and LastName. By clicking the SPLIT Button, the Full Name from the Label Field must be splitted into First Name, Middle Name and Last Name. Copy these three into three differnet Text Fields.

5 Swaping App

Design Two TextFields and One Button. Name the Button as XCHG. During the Execution, Enter any values in two textFields. By Clicking the XCHG Button, the values in the TextFields must be swapped.

6 Palindrome App

Design Two TextField and One Button. Name the Button as Palindrome. If the palindrome is clicked, if the content of the first textField is palindrome, then display the message "PALINDROME" in the Second TextField. Else Display the Message "NOT PALINDROME" in the second TextField

7 NegativePositiveZero App

Design one text field score. Design one button SUBMIT. By clicking the SUBMIT Button, if the score is negative, then move to negative ViewController else if score is positive, then move to Positive View Controller else move to Zero View Controller

8 Multiple Usernames and Default Password app

Design Two text fields Username and Password. Password should be secured. Design one button SUBMIT. By clicking the SUBMIT Button, if username is "aiet" or "cse" or "mijar" or "moodbidri" and default password is "1234", display the message "Welcome to username" (here username inside the message is title of username text field) in the navigationItem Title place of second view controller, otherwise display the message "Username password are incorrect".

9 Multiple Usernames and Multiple Password app (separate Password for different username)

Design Two text fields Username and Password. Password should be secured. Design one button SUBMIT. By clicking the SUBMIT Button, if username is "aiet" and password is "aaaa" or user name is "cse" and password is "bbbb" or username is "mijar" and password is "cccc" or username is "moodbidri" password is "1234", display the message "Welcome to username" (here username inside the message is title of username text field) in the navigationItem Title place of second view controller, otherwise display the message "Username password are incorrect".

10 Incrementor App

Design one textfield My Score1 and one Button INCREMENT1 in First view controller. One textfield My Score2 and one Button INCREMENT2 in Second view controller. One Text Field My Score3 in Third View Controller.

By clicking the Increment1 button, copy the incremented content of My Score1 to My Score2. By Clicking the Transfer2 Button, transfer the incremented content of My Score2 to My Score3.

11 OptionalObjectDispaly App

Design Marks View Controller containg the marks of Four Subject. If any one mark is greater than 100, it is invalid mark. If all the marks are valid, then display Total Marks in the totalViewController and make disappear the invalid textField. If anyone marks is invalid, then display the message "INVALID MARKS" in the invalid TextField and make disappear the Total textField.

4. Apple Guided Projects

1. Standard Simple Calculator App:

The trainer guided the students how to develop the basic calculator prototype containing various components. This project covers the iOS Auto Layout features and Stack view concepts. After designing the calculator prototype using Auto Layout and stack-view features, he guided how to develop the program for it. All the students successfully build their simple calculator in iOS environment.

2. Apple Pie Game:

This is an image view application and random number based project. This is a simple word-guessing game. Each player has a limited number of turns to guess the letters in a word. Each incorrect guess results in an apple falling off the tree. The player wins by guessing the word correctly before all the apples are gone. Whenever a round is won or lost, a new game is immediately started. If there are no more words left to guess, all buttons are disabled, and the app needs to be restarted.

3. Personality Quiz:

Players are presented with a lighthearted topic and answer questions that align them to a particular outcome. Here are some examples of personality quiz topics:

What animal are you?

What country should you visit next?

Which Apple product are you?

There are no correct answers to quiz questions. Answers are purely subjective, and their results don't even have to be logical.

For example, suppose you design a quiz called “What country should you visit next?” You could pose the question “What is your favorite color?” and decide that the answer “green” aligns to Italy and not to France. Other questions and answers might make more sense. If the player prefers sushi over pasta, you could award points for Japan instead of for Italy.

This guided project will use “Which animal are you?” as the quiz topic. The four possible outcomes are: dog, cat, rabbit, and turtle. But if you prefer to choose your own topic and outcomes, go ahead. As long as you’re following the steps in the project, any topic is fine. You will learn more if you are having a good time.



Finally, the trainer strongly suggested the students to continue the self-study of advanced topics in the iOS Programming and try to develop the real time applications in iOS Environment and try to upload it to iOS App Store.

OUTCOME

Total 201 students were registered. All 201 students were attended the training program regularly and got benefitted by this training. All the students build the three Apple Guided Projects successfully.


COORDINATOR


HOD CSE

Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidre - 574 225, D.K. Karnataka, India


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

Date: 15/July/2024

From,

VENKATESH

Apple iOS Training Coordinator

Department of CSE

AIET, Moodbidri

To

The PRINCIPAL

AIET, Moodbidri

Through

The HOD,

Department of CSE

AIET, Moodbidri

Respected Sir,

Sub: Permission to conduct One Week SDP

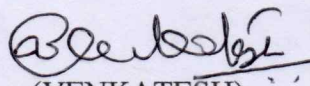
Department of CSE has decided to conduct 10 Days training on "**Fundamentals of Swift and iOS Programming**" for BCA students of Alva's Degree College, Moodbidri during 3rd & 4th week of August 2024 in Apple iOS LAB, AIET, Moodbidri. I request you to grant the permission to conduct this training for ALVAS BCA students.

Also, I also request you to permit the Account Section to receive the registration fees of Rs. 500/- from each student of BCA.

I attached the students list for this training along with this request letter.

Thanking You

Yours Sincerely,



(VENKATESH)

(Apple iOS Coordinator)

*Forwarded to Principal
15/7/24*

*Scanned
16/7/24*



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

(Autonomous Institution affiliated to VTU, Belagavi)

(Accredited by NAAC with A+ Grade, and Accredited by NBA-New Delhi 2019-2025)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Ten Days (60 Hrs) Training on **"Fundamentals of iOS Programming"** for BCA Students Alvas Degree College Vidyagiri
BATCH 1 Students (From 13th August 2024 to 24th August 2024) -- Registration Sheet

No	Name	Class (Section)	Phone Number	E-Mail Address	Signature
	BHARGAVI, B CA23314	II BCA (A)	8122515204	bhargavikalkur892@gmail.com	Bhargavi B.
	PRADEEP CA23353	II BCA (A)	8867222325	pradeepdshettigar7@gmail.com	Pradeep
	P ADHITI BHANDARKAR 23347	II BCA (A)	8792732757	badhiti56@gmail.com	P.A. Bhandarkar
	ROSHAN CA23377	II BCA (B)	9019937373	roshanmj95@gmail.com	Roshan
	AKASH CA23404	II BCA (B)	9110823479	akashau06@gmail.com	Akh
	AMRUTH KUMAR CA23407	II BCA (B)	8722622761	amruthdevadiga72@gmail.com	Amruth
	SHRAVAN NAYAK CA23388	II BCA (B)	9380994278	shravann796@gmail.com	Shravan
	SHABDHI CA23383	II BCA (B)	7483929925	shabdhishetty2@gmail.com	Shabdhi
	DILIP Manjunath CA23418	II BCA (B)	8248162685	bvmanjunath948@gmail.com	Dilip
	nimmachetta CA23431	II BCA (B)	9606576940	nimmachetlayeshwanth@gmail.com	Nimmachetta
	YRESHWANTH KUMAR REDDY	II BCA (B)	9606576940	nimmachetlayeshwanth@gmail.com	Yesh
1.	RAJATH KUMAR CA23494	II BCA (C)	9845702734	rajathkumar2734@gmail.com	Rajath
2.	PRAJWAL CA23484	II BCA (C)	7204944650	rshettyprajwal@gmail.com	Prajwal
3.	HRITHIKA CA23419	II BCA (C)	9108168406	hhithikapoojary@gmail.com	Hrithika
4.	P TRUPTHI CA23480	II BCA (C)	6361851315	trupthidongre@gmail.com	P. Trupthi
5.	MONIKA [CA23567]	II BCA (C)	9019654418.	monikangowda19@gmail.com	Not attended.



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Ten Days (60 Hrs) Training on **"Fundamentals of iOS Programming"** for BCA Students Alvas Degree College Vidyagiri

BATCH 1 Students (From 13th August 2024 to 24rd August 2024) -- Registration Sheet

No	Name	Class (Section)	Phone Number	E-Mail Address	Signature
5.	RAKSHITHA BANGERA CA23496	II BCA (C)	7892964067	bangerarakshitha99@gmail.com	
7.	ISHA CA23452	II BCA (C)	8123091605	isha605isha@gmail.com	
8.	KEERTHAN CA23459	II BCA (C)	7483317699	keerthanvenoor@gmail.com	
9.	RITHISH CA23501	II BCA (C)	8722442064	rithishshettigar@gmail.com	
10.	SEVANTH A G CA23524	II BCA (D)	9964923819	sevanthrao1406@gmail.com	
11.	SANJAY S CA23521	II BCA (D)	8147820134	sanjaysanjuss7700416@gmail.com	
12.	PRAJWAL CA23562	II BCA (D)	6360819503	prajwalpoojary9503@gmail.com	
13.	SUJITH S POOJARY CA23543	II BCA (D)	8296552880	sujithspoojary8296@gmail.com	
14.	SANJANA M HAKARI	II BCA (D)	9742682005	sanjanamhakari@gmail.com	
15.	CA23567				

Signature of the Coordinator

Signature of HOD BCA
Head of the Department
Dept. of Computer Science
Alva's College, Vidyagiri
MOODBIDRI - 574 227

Signature of HOD CSE AIFT
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidre - 574 225, D.K. Karnataka, India

**Ten Days (60 Hrs) Training on “Fundamentals of iOS Programming” for BCA Students Alvas Degree College Vidyagiri
BATCH 1 Students (From 13th August 2024 to 24rd August 2024) – Attendance Sheet**



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Ten Days (60 Hrs) Training on "Fundamentals of iOS Programming" for BCA Students Alvas Degree College Vidyagiri BATCH 1 Students (From 13th August 2024 to 24th August 2024) – Attendance Sheet

No	Name	2024 8 13 AM	2024 8 13 PM	2024 8 14 AM	2024 8 14 PM	2024 8 16 AM	2024 8 16 PM	2024 8 17 AM	2024 8 17 PM	2024 8 19 AM	2024 8 19 PM	2024 8 20 AM	2024 8 20 PM	2024 8 21 AM	2024 8 21 PM	2024 8 22 AM	2024 8 22 PM	2024 8 23 AM	2024 8 23 PM	2024 8 24 AM	2024 8 24 PM
1.	RAKSHITHA BANGERA																				
2.	ISHA																				
3.	KEERTHAN																				
4.	RITHISH																				
5.	SEVANTH A G																				
6.	SANJAY S																				
7.	PRAJWAL																				
8.	SUJITH S POOJARY																				
9.	SANJANA M HAKARI																				
10.																					

Signature of the Coordinator

Head of the Department
Dept. of Computer Science
Alva's Institute of Engineering & Technology
Moodbidri, D.K. Karnataka 574225

Signature of HOD BCA

Signature of HOD CSE AIT
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodbidri - 574 225, D.K. Karnataka, India

Evaluation Sheet

No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
7.	ISHA (15)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8.	KEERTHAN (10)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.	RITHISH (12)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.	SEVANTH A G (14)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11.	SANJAY S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12.	PRAJWAL (5) (15)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13.	SUJITH S POOJARY (1) (12)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14.	SANJANA M HAKARI (16) (15)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.																					

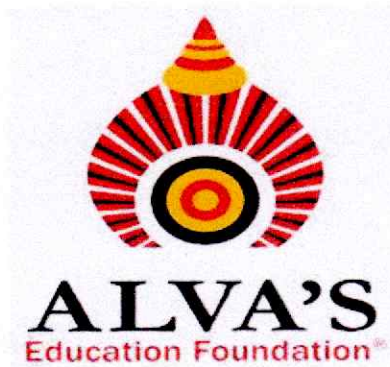
[Signature]

Signature of the Coordinator

[Signature]

Signature of lab Incharge

**ALVA'S INSTITUTE OF ENGINEERING &
TECHNOLOGY, MOODBIDRE**



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Apple iOS LAB

**A Report of Ten Days Training on
"iOS APP DEVELOPMENT PROGRAMMING USING SWIFT C"**

(First Batch: 13th AUGUST 2024 – 24th AUGUST 2024)

For

II YEAR BCA STUDENTS OF ALVAS DEGREE COLLEGE MOODBIDRI

By: Mr. Venkatesh

2024–25

CONTENTS

- 1. Introduction**
- 2. Syllabus Covered**
- 3. List of Programs**
- 4. Apple Guided Projects**
- 5. Outcome**

1. Introduction

Department of CSE organized a Ten Days training Program on “iOS App Development Programming Using Swift C” for the students of second year BCA Students of Alvas College Moodbidri. The training was held from 13th August 2024 to 24th August 2024. The trainer Mr. Venkatesh, welcomed the HOD and Students during the informal inauguration of the training program.



Dr. Manjunath Kotari inaugurated the program informally. In his inaugural speech, he said the students about the importance of iOS Programming. He also briefed about the android and iOS Applications. He suggested the students to develop an App in iOS and try to upload into iOS App Store.

Dr. Manjunath Kotari mentioned about our student's iOS programming App development experience in placement drive. He

also suggested the students to refer the iOS reports prepared by the AIET students.

Mr. Venkatesh, Senior Associate Professor in the Department of CSE AIET, was the Trainer of this training Program. Total 23 BCA students of second year from Alvas degree college Vidyagiri were registered for this training.



Mr. Venkatesh explained about the importance of iOS and he compared the iOS with android. He started the training with very simple problem like displaying the welcome message in Swift C language. He explained the different types of symbol definitions in the Swift C and its difference. He also explained when the constants and variables are to be used by giving the example of car travelling from one place to another place.

Ms. Yakshitha, the iOS lab instructor, helped the students in timely execution of the day-wise exercises.

2. Syllabus Covered

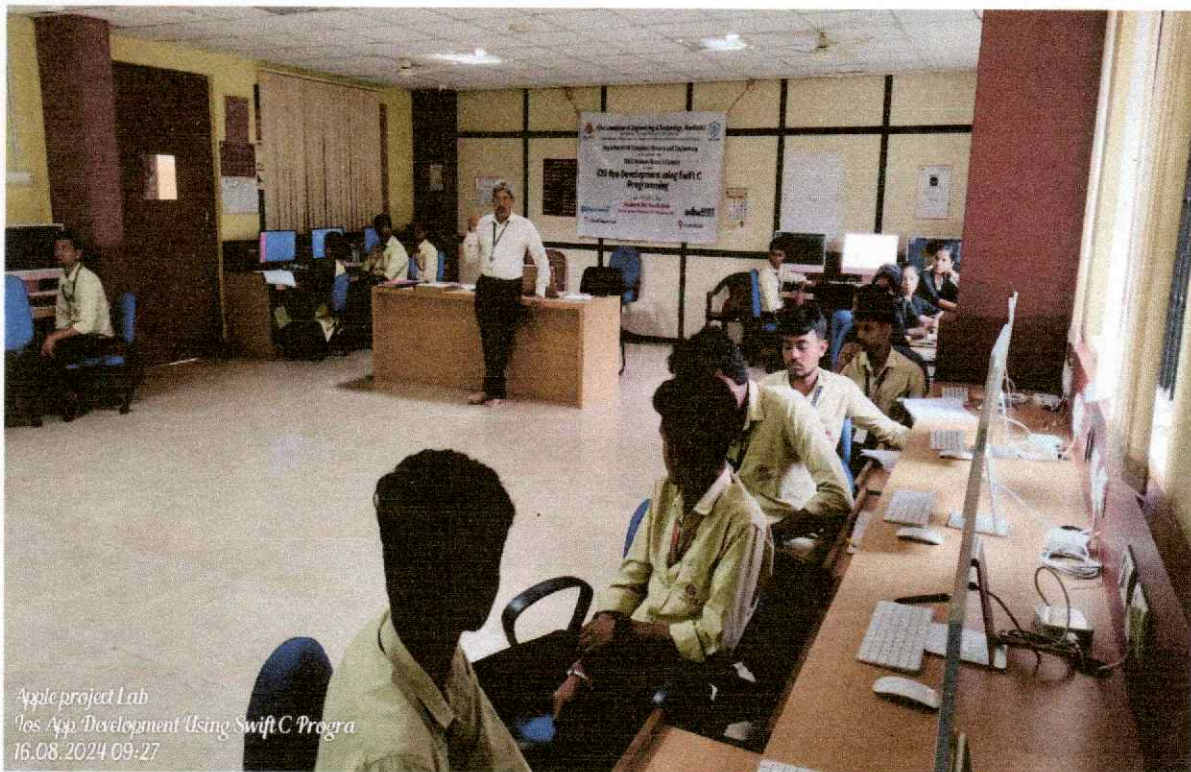
The trainer Mr. Venkatesh started with Simple Program execution using Swift C Language. He covered various basic features of Swift C Programming Language like Strings, Arithmetic Operators, Logical Operators, Control Statements, Looping constructs, Arrays, Structures, Classes, Swift Optional etc... He took around three days for swift C. He explained the various features of swift C with few suitable examples.



After Swift C, he started the iOS Programming. He begins with introducing the Components of the iOS Programming environment and its usage. He started with designing a simple iOS App called **"LightOnOff"**. He continued his training by guiding the students to implement the similar App called **"ColourToggle"**. He guided the students to implement these apps in many ways, by using UIButtons, by using UISwitches etc...

3. List of Programs

The trainer covered the all the fundamentals of iOS App Development during his training period. Few fundamental iOS Apps were developed by the students. He also engaged the students in building three Apple guided projects.



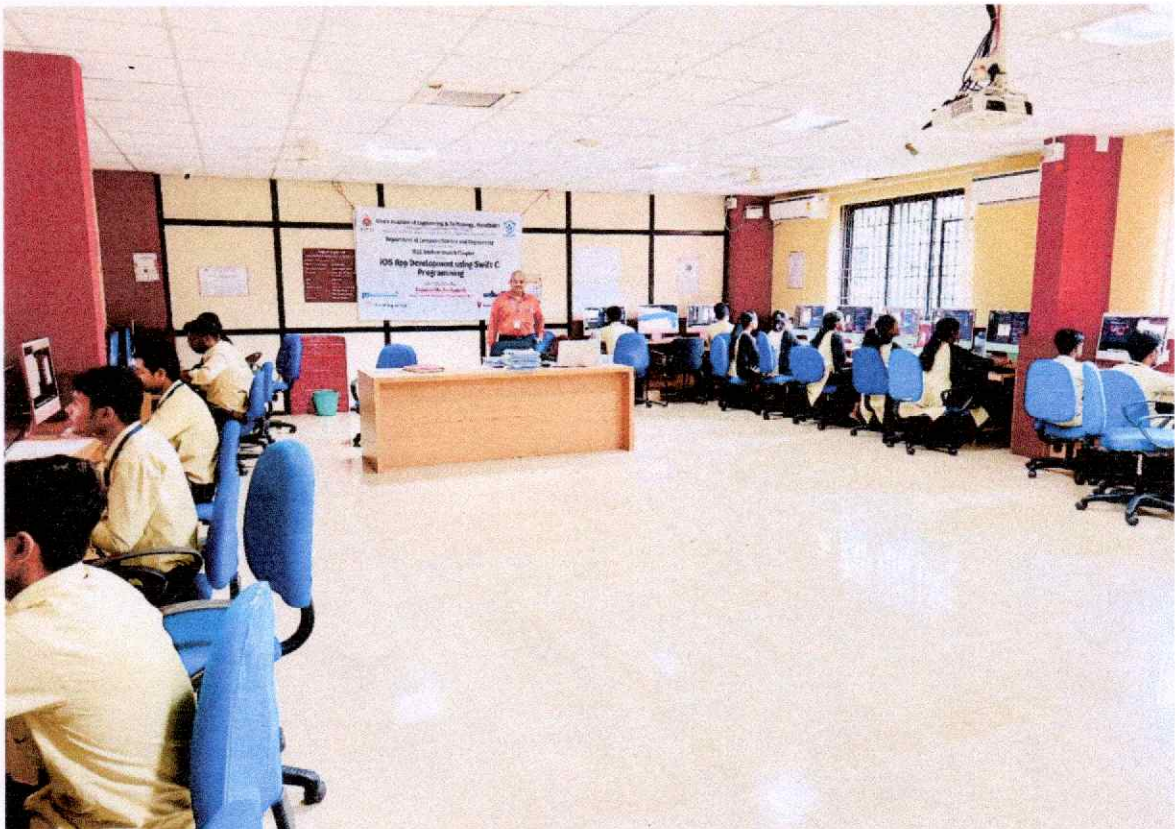
The students are actively participated in the training program. The trainer guiding the students how to clear the different types of bugs. The bugs created by outlets and actions, the bugs created by swift files, etc....

During fifth day of the training, the trainer conducted one-hour online practice test on the topics covered till that day. He also discussed about these questions after the test.

The list of iOS Apps and guided projects covered during the training sessions are mentioned here below.

1 ColorToggle App

Design Three Buttons in the view and name them as “BuleGreen”, “RedYellow”, “FourToggle”. First two buttons will toggle the respective colors. For FourToggle Button, the colour should toggled from White → Purple → Green → Yellow → White ...

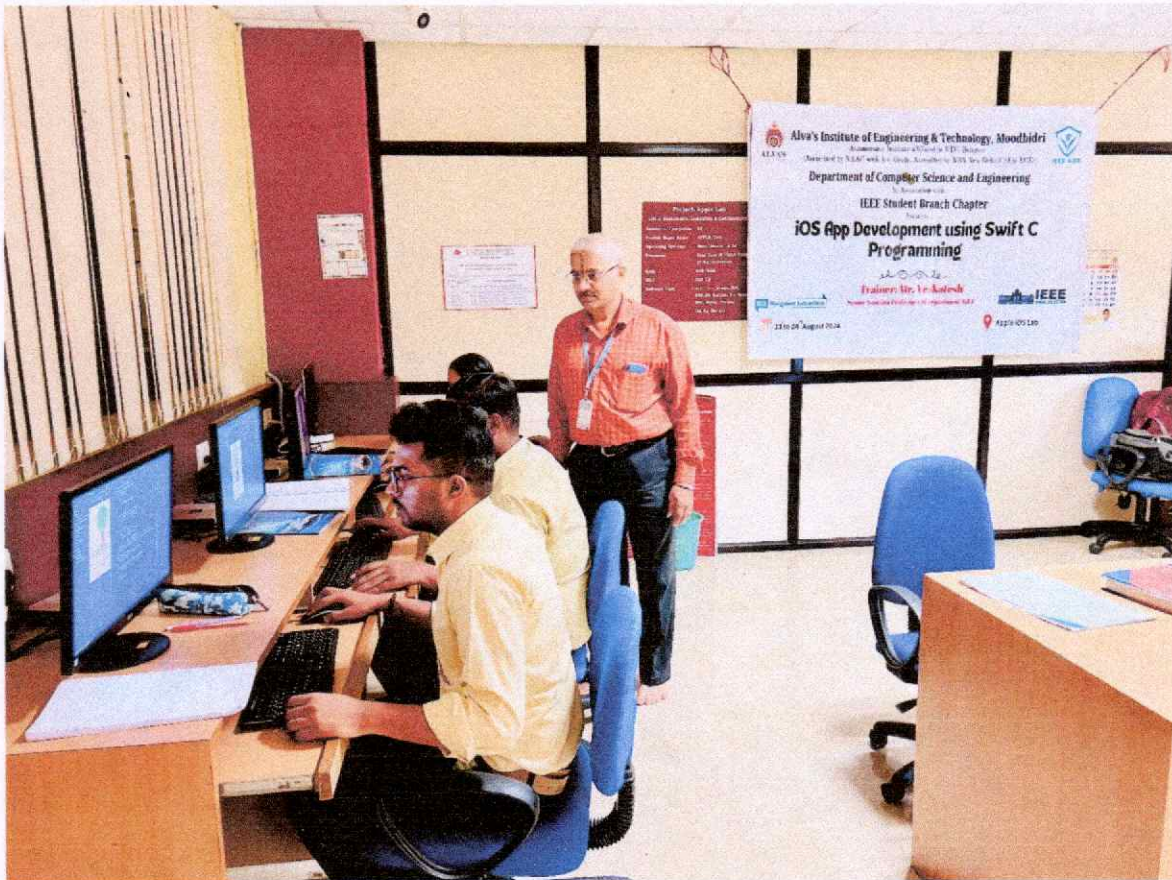


2 COPY EXERCISE

Design Two Labels, One Text Field and a Button on the view. Name the First Label with your First Name. Name the second Label with Last Name. Name the Button “SUBMIT”. By clicking the SUBMIT button, The Full name should be copied into TextField.

3 ArithmeticCalculation App

Design Two TextFields with Larger Font Size and Bold. Design Four Buttons with names “ADD”, “SUBTRACT”, “MULTIPLY” and “DIVIDE” respectively. During the Execution, User should enter One integer Number in one textField and another integer Number in another text Field. By Clicking on any one Button, Perform the respective operation on these two numbers and display the result in the Third Text Field.



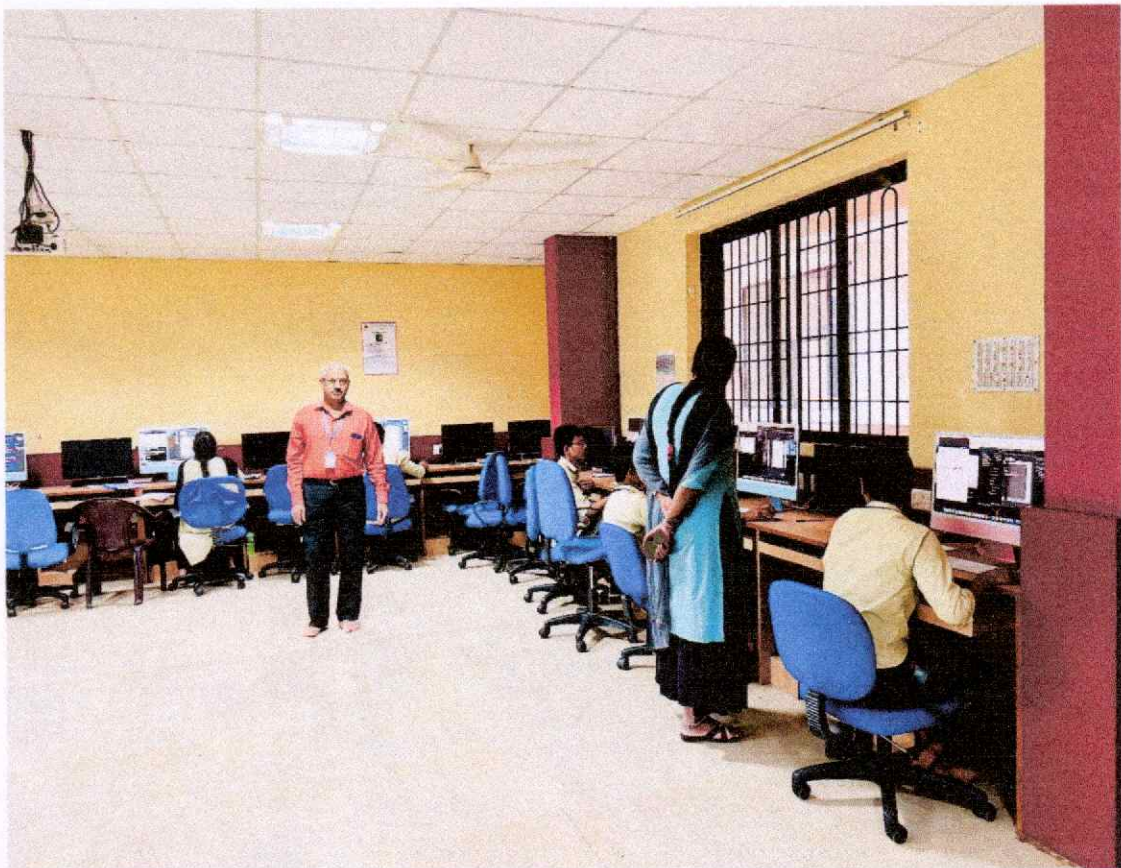
4 NameSplit App

Design a Label Field containing Full Name. (Full Name may have First Name, Middle Name, and Last Name). Design Three Text Fields and One Button. Name the Button as “SPLIT”. Name the textFields as FirstName, MiddleName, and LastName. By clicking the SPLIT

Button, the Full Name from the Label Field must be splitted into First Name, Middle Name and Last Name. Copy these three into three differnet Text Fields.

5 **Swaping App**

Design Two TextFields and One Button. Name the Button as XCHG. During the Execution, Enter any values in two textFields. By Clicking the XCHG Button, the values in the TextFields must be swapped.

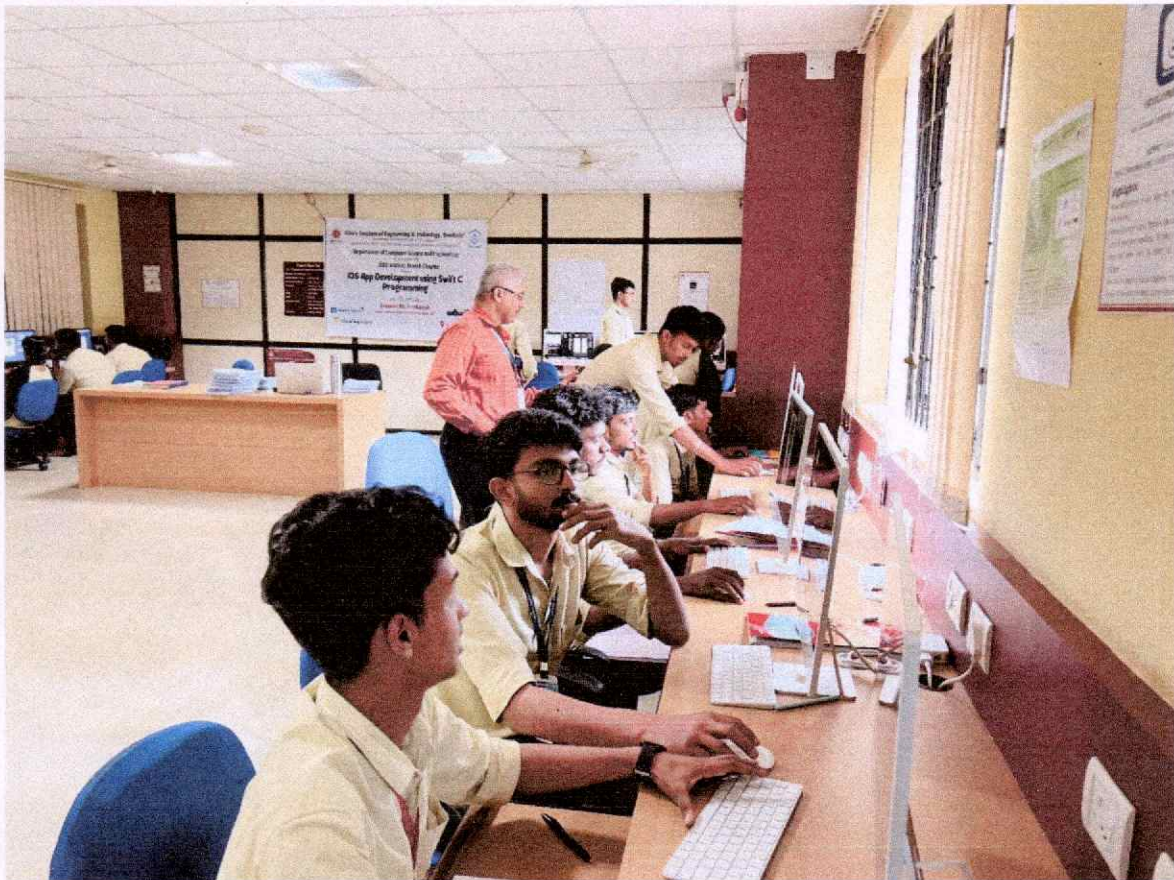


6 **Palindrome App**

Design Two TextField and One Button. Name the Button as Palindrome. If the palindrome is clicked, if the content of the first textField is palindrome, then display the message "PALINDROME" in the Second TextField. Else Display the Message "NOT PALINDROME" in the second TextField

7 NegativePositiveZero App

Design one text field score. Design one button SUBMIT. By clicking the SUBMIT Button, if the score is negative, then move to negative ViewController else if score is positive, then move to Positive View Controller else move to Zero View Controller

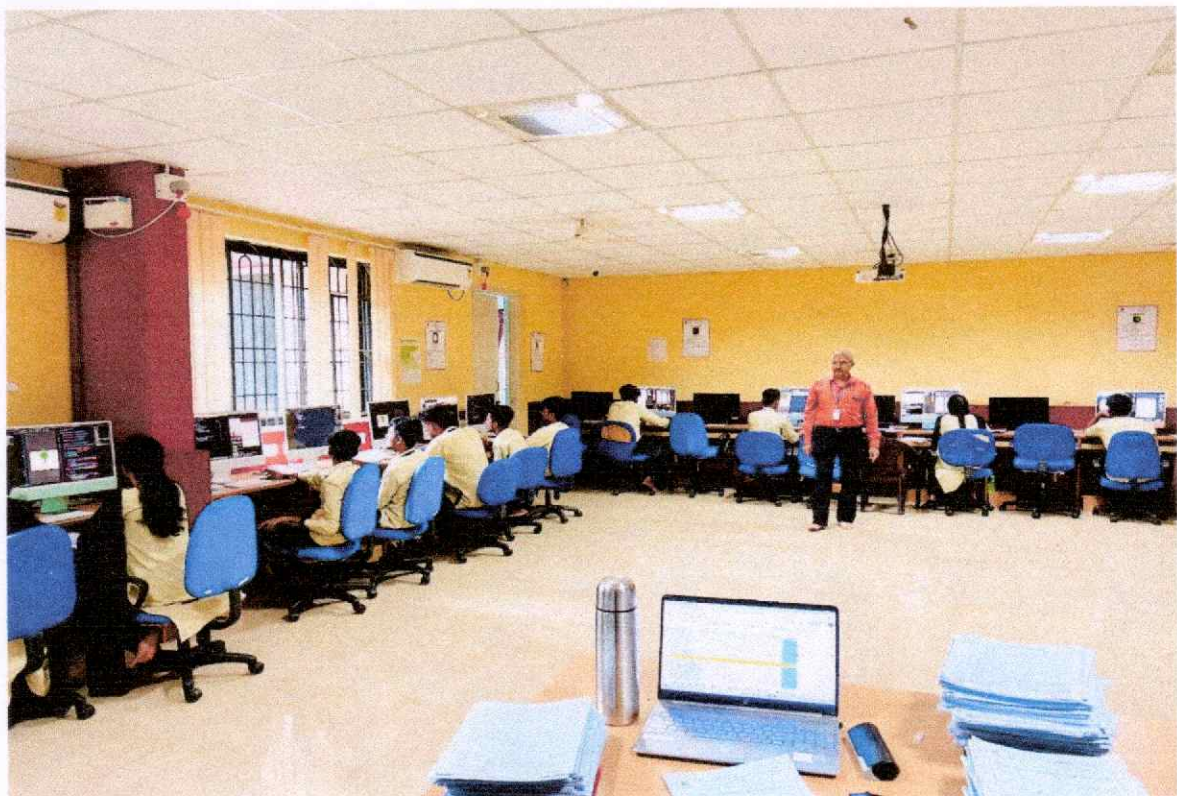


8 Multiple Usernames and Default Password app

Design Two text fields Username and Password. Password should be secured. Design one button SUBMIT. By clicking the SUBMIT Button, if username is "aiet" or "cse" or "mijar" or "moodbidri" and default password is "1234", display the message "Welcome to username" (here username inside the message is title of username text field) in the navigationItem Title place of second view controller, otherwise display the message "Username password are incorrect".

9 Multiple Usernames and Multiple Password app (separate Password for different username)

Design Two text fields Username and Password. Password should be secured. Design one button SUBMIT. By clicking the SUBMIT Button, if username is "aiet" and password is "aaa" or user name is "cse" and password is "bbb" or username is "mijar" and password is "cccc" or username is "moodbidri" password is "123", display the message "Welcome to username" (here username inside the message is title of username text field) in the navigationItem Title place of second view controller, otherwise display the message "Username password are incorrect".



10 Incrementor App

Design one textfield My Score1 and one Button INCREMENT1 in First view controller. One textfield My Score2 and one Button INCREMENT2 in Second view controller. One Text Field My Score3 in Third View Controller.

By clicking the Increment1 button, copy the incremented content of My Score1 to My Score2. By Clicking the Transfer2 Button, transfer the incremented content of My Score2 to My Score3.

11 OptionalObjectDispaly App

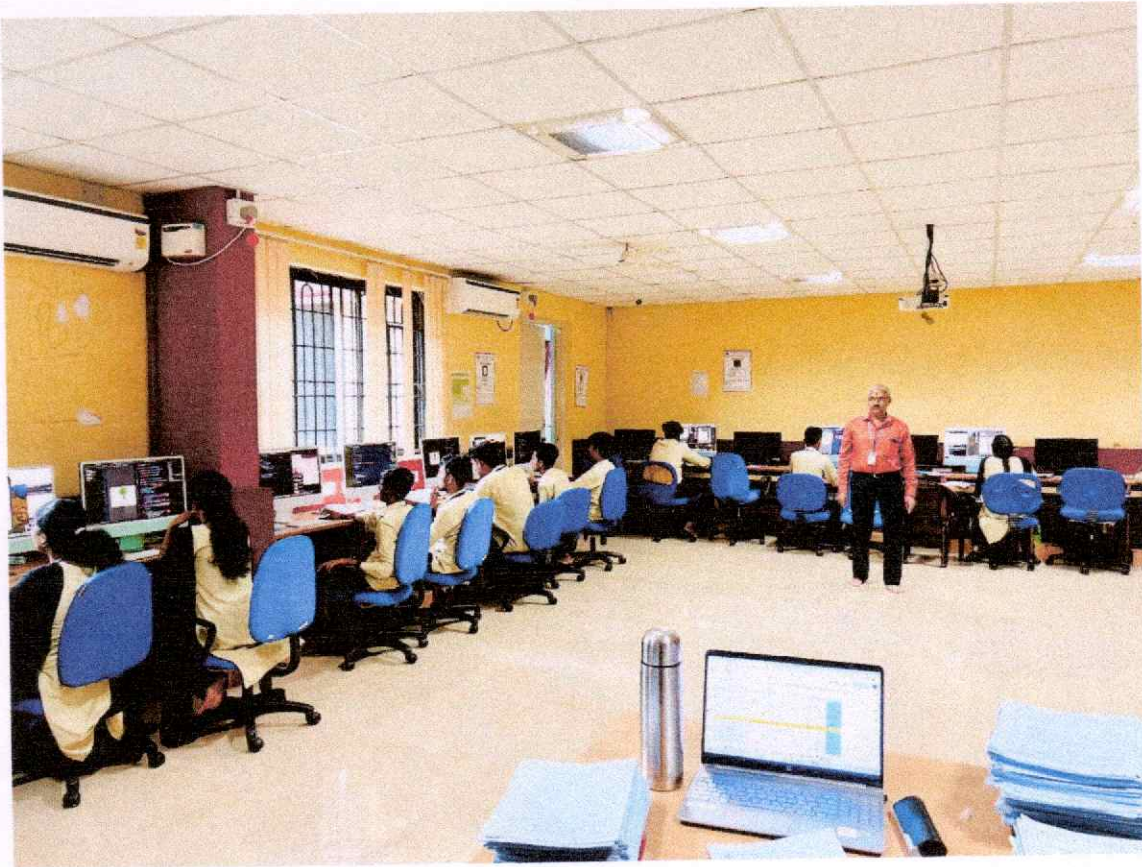
Design Marks View Controller containig the marks of Four Subject. If anyone mark is greater than 100, it is invalid mark. If all the marks are valid, then display Total Marks in the totalViewController and make disappear the invalid textField. If anyone marks is invalid, then display the message "INVALID MARKS" in the invalid TextField and make disappear the Total textField.



12 ImageGuess App

Draw one UIImageView **myImage** in the scene and a Button called **GuessImage**. Draw one TextField called **GuessMyImage**. User should type the image name in the textField **GuessMyImage** and click **GuessImage** Button. By Clicking the **GuessImage** Button,

Display random image in the ImageView **myImage** from available assets. If the image displayed in the **myImage** is same as specified in the **GuessMyImage** textfield, then Display the message "**Congratulations...Your Guess is Correct**" in the second TextField **guessResult**. Otherwise display the message "**Sorry...Your Guess is Wrong**" in the second textfield **guessResult**.

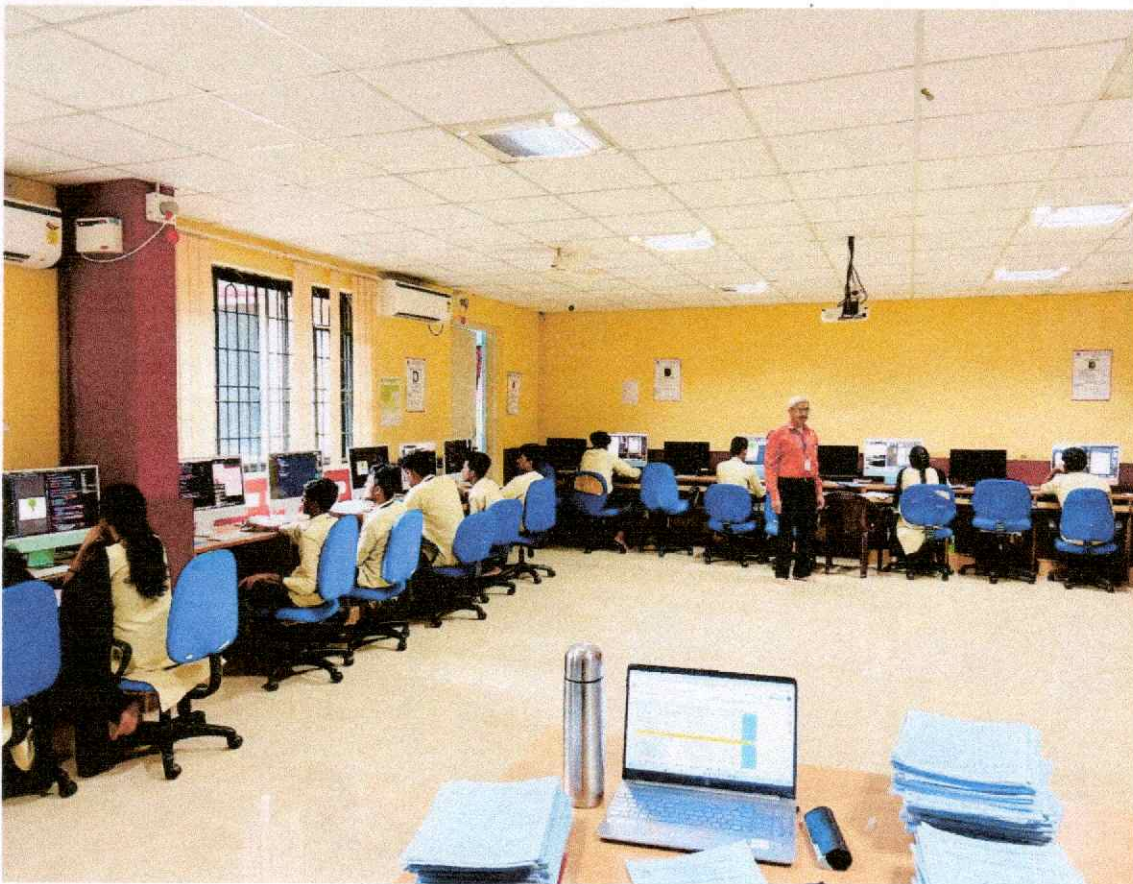


In addition to these programs, the trainer also guided the students to implement the three Apple guided projects: Standard simple calculator, Apple pie game and Personality Quiz.

4. Apple Guided Projects

1. Standard Simple Calculator App:

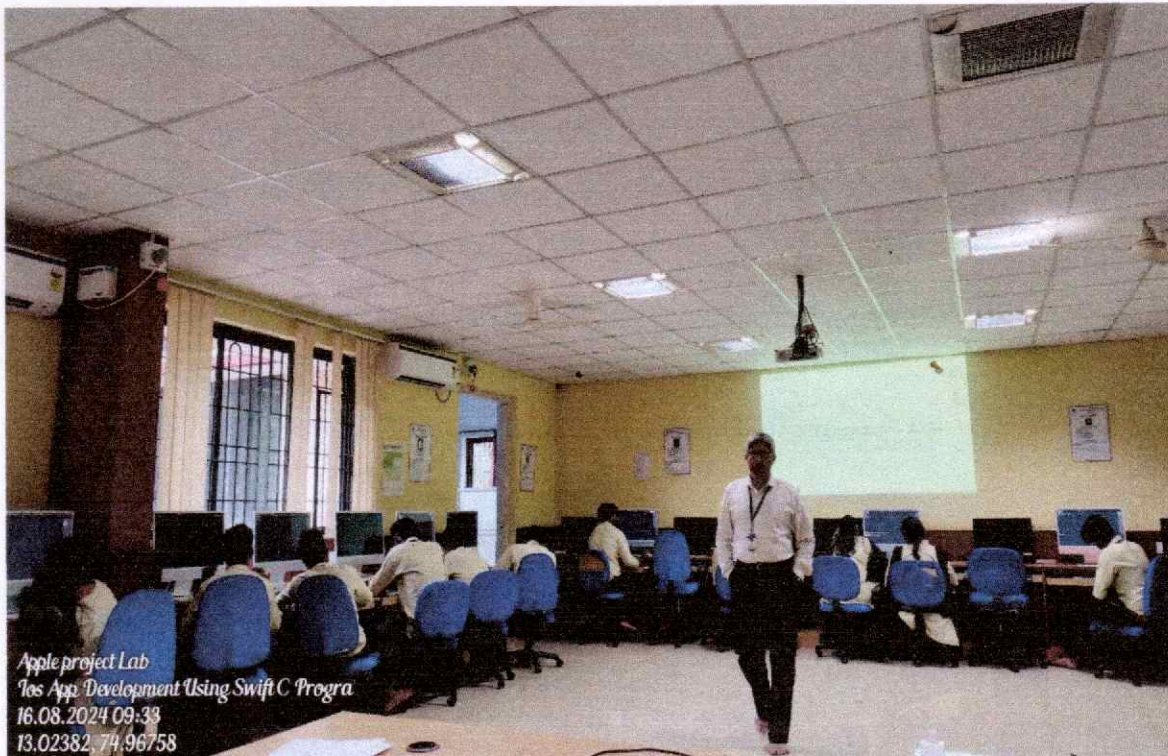
The trainer guided the students how to develop the basic calculator prototype containing various components. This project covers the iOS Auto Layout features and Stack view concepts. After designing the calculator prototype using Auto Layout and stack-view features, he guided how to develop the program for it. All the students successfully build their simple calculator in iOS environment.



2. Apple Pie Game:

This is an image view application and random number-based project. This is a simple word-guessing game. Each player has a limited number of turns to guess the letters in a word. Each

incorrect guess results in an apple falling off the tree. The player wins by guessing the word correctly before all the apples are gone. Whenever a round is won or lost, a new game is immediately started. If there are no more words left to guess, all buttons are disabled, and the app needs to be restarted.



3. Personality Quiz:

Players are presented with a lighthearted topic and answer questions that align them to a particular outcome. Here are some examples of personality quiz topics:

What animal are you?

What country should you visit next?

Which Apple product are you?

There are no correct answers to quiz questions. Answers are purely subjective, and their results don't even have to be logical.

For example, suppose you design a quiz called "What country should you visit next?" You could pose the question "What is your

favorite color?” and decide that the answer “green” aligns to Italy and not to France. Other questions and answers might make more sense. If the player prefers sushi over pasta, you could award points for Japan instead of for Italy.



This guided project will use “Which animal are you?” as the quiz topic. The four possible outcomes are: dog, cat, rabbit, and turtle. But if you prefer to choose your own topic and outcomes, go ahead. As long as you’re following the steps in the project, any topic is fine. You will learn more if you are having a good time.

Finally, the trainer strongly suggested the students to continue the self-study of advanced topics in the iOS Programming and try to develop the real time applications in iOS Environment and try to upload it to iOS App Store.

During the last day of the training, Dr. G Srinivasan is the guest for the informal valedictory function. He distributed the certificates to all participants.



In his valedictory speech, he said that this training is not the final. It is just a beginning of the iOS development. He suggested the students to improve their knowledge in iOS field by involving themselves in the app development.



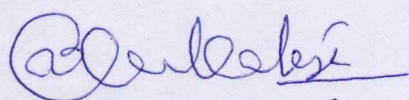
Students List of the Training Program

1	BHARGAVI	13	HRITHIKA
2	PRADEEP	14	P TRUPTHI
3	P ADHITI BHANDARKAR	15	RAKSHITHA BANGERA
4	ROSHAN	16	ISHA
5	AKASH	17	KEERTHAN
6	AMRUTH KUMAR	18	RITHISH
7	SHRAVAN NAYAK	19	SEVANTH A G
8	SHABDHI	20	SANJAY S
9	DILIP MANJUNATH	21	PRAJWAL POOJARY
10	NIMMACHETLA YESHWANTH KUMAR REDDY	22	SUJITH S POOJARY
11	RAJATH KUMAR	23	SANJANA M HAKARI
12	PRAJWAL		

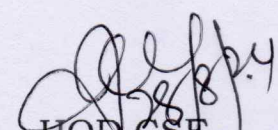
OUTCOME

Total 23 students were trained during this training session. All 23 students were attended the training program regularly and got benefitted by this training. All the students build the three Apple Guided Projects successfully.

Training certificates are distributed by the guest Dr. G Srinivassan, Professor, Department of CSE, AIET to all the participants on the last day of the training.


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