ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, NewDelhi.
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

M.O.D.
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, D.K

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.
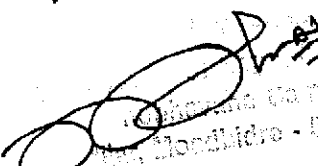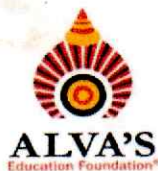
Thanking You

Yours faithfully

(VENKATESH) 21/10/2023

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, D.K

Date:21-10-2023

To,

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

Through
  The HOD CSE
  AIET MOODBIDRI

<u>Sub</u>; 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

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

REGISTRATION SHEET

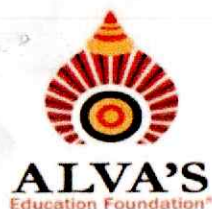|	USN	NAME	Phone Number	Email Address	Signature
1.	4AL22CS007	Akhilesh H R	9108503988	akhill.cse@gmail.com	
2.	4AL22CS015	Apoorva	8904580049	apoorvapkamane@gmail.com	
3.	4AL22CS018	Arvind Kumar Ojha	9572353826	arvind22cse15@gmail.com	
4.	4AL22CS025	Bhoomika R	7338566253	bhoomi.r1230@gmail.com	
5.	4AL22CS026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

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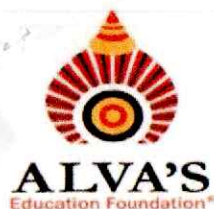Affiliated to VTU Belagavi, Approved by AICTE, New Delhi

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26.	4AL22CS093	Nikshitha P Rai	9353041306	nikshithaprai2004@gmail.com	
27.	4AL22CS094	Nisarga S	6363343472	nisargas0904@gmail.com	
28.	4AL22CS095	Nishitha Suvarna	7259019347	nishithasuvarna74@gmail.com	
29.	4AL22CS096	Nishmitha S Shetty	7676591321	nishmithas439@gmail.com	
30.	4AL22CS100	Pavitra Ishwarappa Talawar	9448868759	talawarpavitra132@gmail.com	
31.	4AL22CS106	Prathamesh Shetty	6362941356	4al22cs106@aiet.org.in	
32.	4AL22CS107	Prathi U Shetty	8197851509	sprathi630@gmail.com	
33.	4AL22CS119	Rithika P Shetty	9740261242	rithikashetty474@gmail.com	
34.	4AL22CS124	Sakshi	9036974572	acharyasakshi399@gmail.com	
35.	4AL22CS146	Shivaleela Kalasad	7204494039	ramkalasad77@gmail.com shivaleelakalasad439@gmail.com	
36.	4AL22CS151	Shraddhitha P Shettigar	8660039121	shraddhithapshettigar@gmail.com	
37.	4AL22CS165	Srushti N B	6364809767	srushtiicse@gmail.com	
38.	4AL22CS175	Swapnil Sambhaji Alori	6363452392	swapnilalori62084@gmail.com	
39.	4AL22CS178	Tangevva Rudrappa Gadad	7975157130	ashwinigadad3@gmail.com	
40.	4AL22CS185	Varshitha R	9972892287	rvarshita8@gmail.com	
41.	4AL22CS189	Yoghana B K	9008298681	yoghanabk479253@gmail.com	

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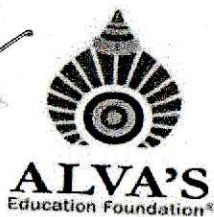### (Accredited by NBA, New Delhi 2019-2025)

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3.	4AL22CS018	Arvind Kumar Ojha	9572353826	arvind22cse15@gmail.com	Apoo
4.	4AL22CS025	Bhoomika R	7338566253	bhoomi.r1230@gmail.com	
5.	4AL22CS026	Brijesh S K	6360682898	brijesh300704@gmail.com	Bhoomi
6.	4AL22CS030	Chethan Kumar	9845713536	chethukumar9845@gmail.com	Baijel
7.	4AL22CS036	Deepika N	9535171078	anjali8139958932@gmail.com	Chethan Kumar
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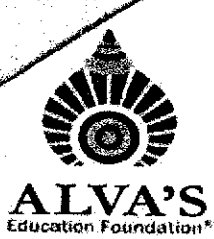Affiliated to VTU Belagavi, Approved by AICTE, New Delhi

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COORDINATOR   HOD CSE

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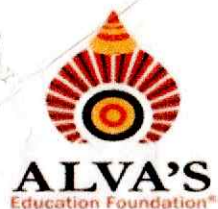### Certification Course on Apple iOS App Development Using Swift and X Code – 2022-23

ATTENDANCE SHEET

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

COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA, New Delhi 2019-2025)
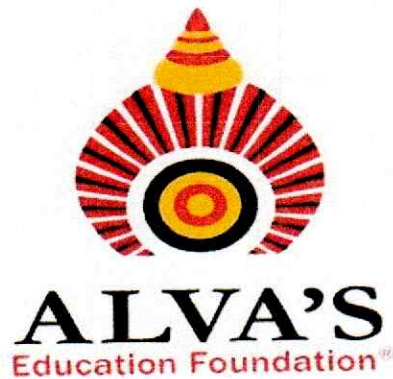### Certification Course on Apple iOS App Development Using Swift and X Code – 2022-23

ATTENDANCE SHEET

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

COORDINATOR

HOD CSE

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY, MOODBIDRE

ALVA'S
Education Foundation®

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

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.

GPS Map Camera

Tenkamijar, Karnataka, India
2XF9+F23, Tenkamijar, Karnataka 574225, India
Lat 13.02384°
Long 74.967589°
22/11/23 09:20 AM GMT +05:30

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.

GPS Map Camera

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Lat 13.023856°
Long 74.967612°
22/11/23 09:13 AM GMT +05:30

Google

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.

Tenkamijar, Karnataka, India
2XF9+F23, Tenkamijar, Karnataka 574225, India
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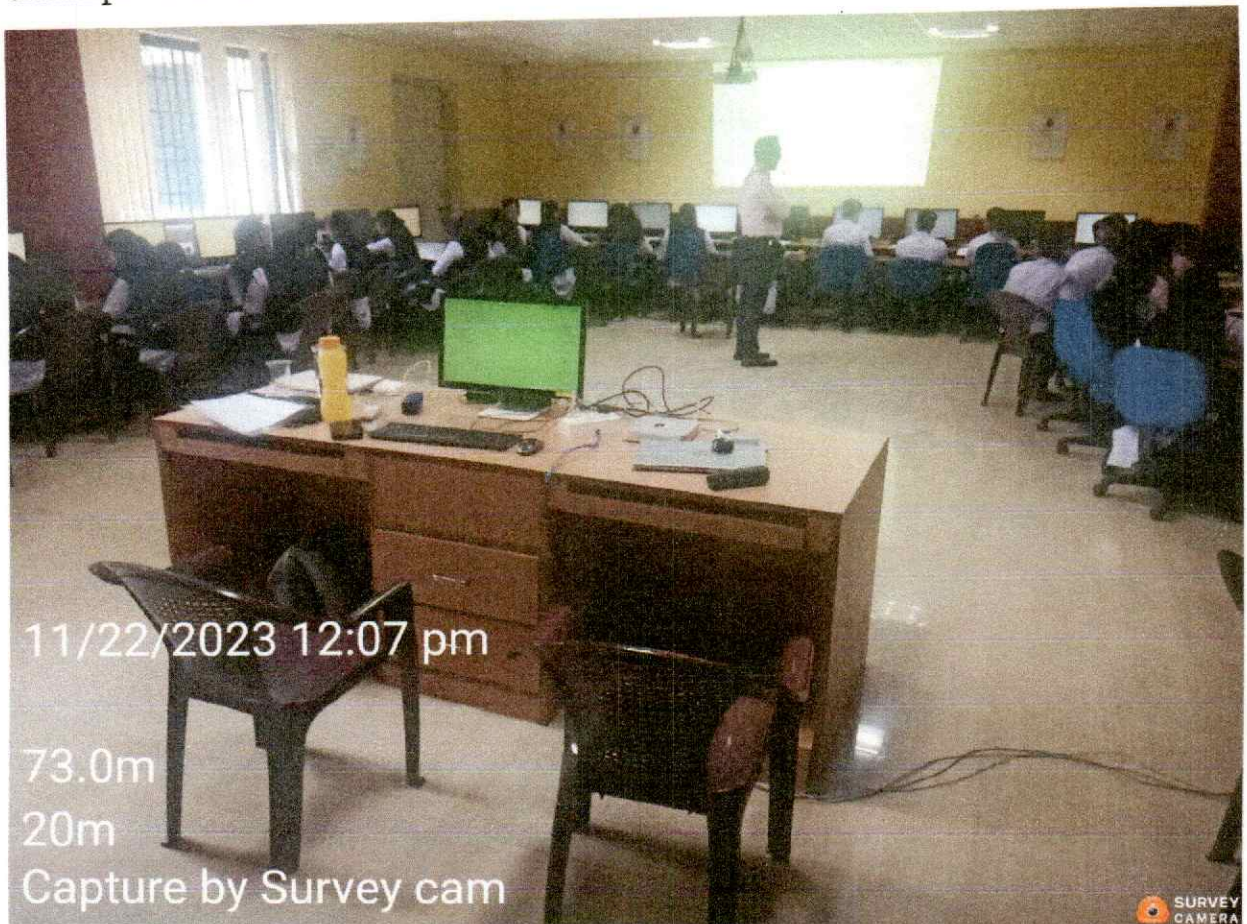Long 74.96762°
22/11/23 09:14 AM GMT +05:30

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.

11/22/2023 12:07 pm
73.0m
20m
Capture by Survey cam

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.

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Capture by Survey cam

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.

Apple project Lab
Training On Apple Ios Programing.
27.11.2023 14:50
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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.

Apple project Lab
Training On Apple Ios Programing.
28.11.2023 09:59
13.02385, 74.96762

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

Apple project Lab
Training On Apple Ios Programing.
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13.02384, 74.96763

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
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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)