

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

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

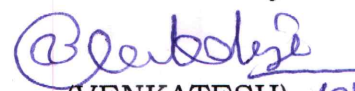
Sub: Weekdays training program on **"Fundamentals of iOS Programming"**

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

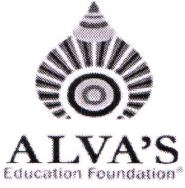
Yours faithfully


(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


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



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

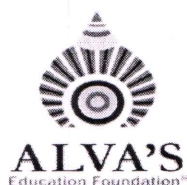
CIRCULAR

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


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



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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

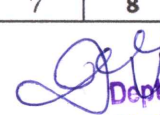
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

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 MILEE 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
Alva's Institute of Engineering and Technology
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

Deepti
Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology,
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	12
USN	NAME	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
		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

Signature

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
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4AL22CS154	SHRAVYA	1	2	A	3	4	5	6	7	8	9	10
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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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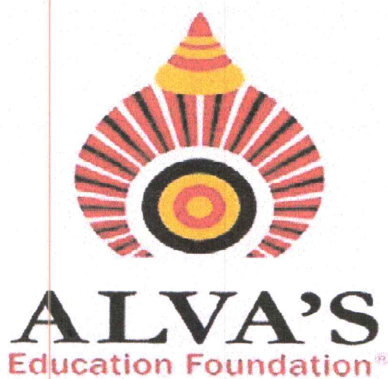
Department of Computer Science and Engineering
Week days Apple iOS Training

		1	2	3	4	5	6	7	8	9	10
		2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
USN	NAME	5	5	5	5	6	6	6	7	7	7
		8	15	22	29	12	19	26	3	10	24
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4AL22CS167	SUDEEP YALLAPPA KALAPUR	A	1	2	3	4	5	6	7	8	9
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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
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4AL22CS175	SWAPNIL SAMHAJI 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
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4AL22CS190	YUMLEMBAM HENBA SINGH	1	2	3	4	5	6	7	8	9	10
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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




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**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

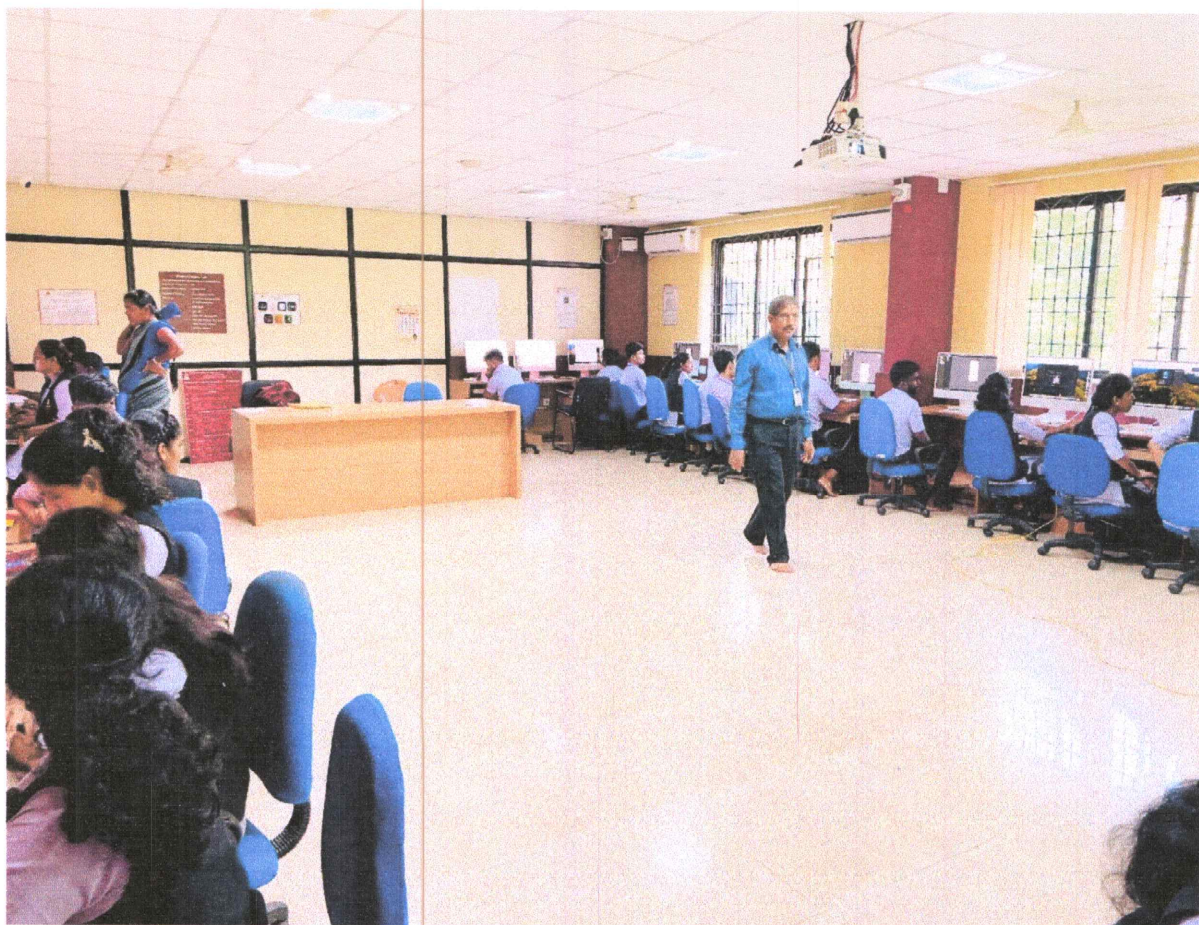
2023–24

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- 2. Syllabus Covered**
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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.


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