



Atharva iMac Lab

Report A.Y.2024-25

Introduction:

Mobile app development has exploded over the past few years. Users increasingly turn to smartphones and tablets to consume and create content, whether on the go or on the couch. As a result, today's wireless mobile devices offer a wealth of applications. Major application stores such as Apple's iOS App Store and Google Play have collections in the hundreds of thousands of apps. Technical estimates forecast that the mobile App development field will explode in huge proportions in coming decades and with the rapid proliferation of mobile technologies, comes new challenges which needs to be addressed with sophisticated and versatile applications.

The idea of a state-of-the-art iMac Lab at Atharva College of Engineering was conceived by Honourable Shri Sunil Rane Sir and was released on 15th December, 2014

Utilization of iMac Lab:

Weekly Training on Basics of iMac & iOS App Development:

- Under the guidance of the principal sir, a plan was made to open the iMac Lab for a 10 day training all the students of the college in batches based on the enrolment.
- **Every 2 week 1 batch of 20 students each** with preference to final year & third year students.
- **Duration: 30 hours in a week** (including 1 hour test)
- **Assessment: 1 hour on the last day.** Multiple choice questions.
- **Certification criteria: 80 % attendance & a minimum of 40 % marks in the test.** • **Criteria of student selection :Online Registration for Atharavites. (provisional students are not allowed).**



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Schedule and Topics in Training :

Day 1	Introduction to MAC, MAC Vs. Windows, Overview of features and app, History of MAC OS,iWork Pages,Keynote ,Number, iBook registration And downloading book ,X code Introduction
Day 2	Hands on pages ,Keynote and Number
Day 3	SWIFT lesson :Introduction to SWIFT and Playground, variable, data type,
Day 4	constants, operators and control flow
Day 5	SDK lesson 1: Xcode , Building , Running And Debugging Of App
Day 6	Debugging, Documentation , Interface builder basic
Day 7	SWIFT lesson : String function, Structure , Classes and Inheritance , Collection loops.
Day 8	Optional Type casting, Guard,Scope,Enumeration
Day 9	SDK lesson 2: Introduction to UI KIT, Displaying Data,
Day 10	Displaying control in action Auto Layout , revision and exam

Training Statistics for Academic year 2024-2025:

AACTE Swift Training -

Faculty Training :

- We had planned to conduct a 5 week Faculty training program for 3 faculty members in association with Apple India
- 5 week training will be conducted twice a week on Fridays and Saturdays.
- Total Duration : 40 Hrs.



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List of Faculties Trained

- Dhanashree Bhanushali - INFT Department
- Ashwini Gaikwad - CMPN Department
- Anuradha Kapoor - INFT Department

Internal Training for Faculties.

- We had planned to conduct a 5 week Faculty training program for 3 faculty members in association with Apple India .
- 5 week training will be conducted twice a week on Fridays and Saturdays.
- Total Duration : 40 Hrs.

List of Faculty Members for training program:

Sr. No.	Department	Team Member
1	CMPN	Ashwini Gaikwad
2	INFT	Anuradha Kapoor
		Dhanashree Bhanushali
3	ELEC	Priyanka Tripathi
		Priyanka Sharma
4	EXTC	Vivek Ramakrishnan
		Neeta Moharkar
5	ECS	Snehal Bhelkar

The above faculty members were trained by Nidhi Bhavsar, Ashwini Gaikwad and Anuradha Kapoor.



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Student Training:

- To encourage maximum students for enrolling the course
- To explain the Job benefits of the Course
- Best Platform to design and creativity due to strength application available to students.
- Increases marketability, validation of knowledge, enhanced academic performance .
- Certification proves that you are both well trained and committed to professional growth.

Details of Batch Odd Sem & Even Sem A.Y. 2024-2025

Batch	No. of students	Duration Date
Batch 1	20	12/08/2024 to 27/09/2024
Batch 2	20	28/08/2024 to 20/09/2024
Batch 3	20	03/02/2025 to 14/02/2025
Batch 4	20	10/03/2025 to 24/03/2025

LAB Utility

- Weekly utility for 20 to 25 hrs
- INFT department also Conduct Practical for Mini Project lab for 2nd year and 3rd year Student and ROSPL LAB..



PRINCIPAL
ATHARVA COLLEGE OF ENGINEERING
MUMBAI

IMac Coordinator

Prof. Dhanashree Bhanushali(INFT)

Dr. Ramesh Kulkarni



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