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Full Legal Business Name: Dr. Vitt	salma vixte patil college of Engineering, Ahmednage
GST Registration Number:	
Signatory Name: Dr. Uday (First Name)	Naik (Last Name)
Signatory E-Mail:	engenagar com
Registered Address:	no vikhe patil college of Engineering,
Vilad ghas	F, Po:m.I.D.C, Ahmednagar
City: Ahmtdnagar	Pin Code: 414111
Phone: 6554990210	Primary Business email: Principal Ologgnagar.com
Declaration of Authorized Sign	atory
For and on behalf of	
Dr. Vithairao Vikha Patif Signaturege of Engineering Ahmednagar By signing, I hereby agree that above	information given is true and correct; and agree that Apple absolute and sole discretion to decline/ reject this form

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AACTe Candidate T3 Evaluation

T3 Candidate / Organization	Ravindra J	anardan L	awande			
T3 Course	Develop i	n Swift				
T3 end Date	16th June	2022				
T3 Mentor / Reviewer	Amit Gula	i				
T3 Result	Passed T	3 part				
Teach-backs Performance:	Excellent	Above Average	Average	Needs Improvement	Poor	
Professionalism		-	-	-		Comments
Advocates Apple responsibly						Ravindra was able to bring about the salient aspects of Apple platforms, and development tools.
Ability to work with peers						Highly professional, and willing to help out and cooperate with peers.
Instructional Presentation						
Presentation skills						Ravindra is having good experience as an educator, teaching computer science courses. Teach back sessions conducted by Ravindra were good, and he explained all the concepts well and with great clarity. Tone, speed of delivery was mostly consistent, however in a few instances it may be a bit faster for beginner audience. This was rectified in the subsequent sessions. Example code and slides were used effectively for teach the concepts during the Teachback. Good mix of theory and practical examples
Communication of key ideas						Key ideas for each concept was explained satisfactorily, and the focus was also maintained for the topic under discussion.
Organization and preparation						Ravindra was well prepared for each teach back session. The source code using playgrounds was prepared and ready to go.
Technical Proficiency						
Knowledge of subject matter						Ravindra has good knowledge about concepts related to Swift language, and iOS app development. Feedback and points of improvement were provided where there were gaps.
Ability to answer questions						Ravindra was able to answer most of the queries addressed to him effectively.

Comments:

Ravindra Janardan Lawanda is an Assistant Professor, Vithalrao Vikhe Patil College of Engineering, Ahmednagar, India. He is an experienced educator having taught courses on, System Programming, Operating Systems etc. Sushant conducted 4 online teach back sessions over a period of 4 days (4 hour session / day) on the following topics:

- 1. Class
- 2. Functions

3. Segue and Navigation Controllers

4. Interface Builder Basics

His demeanour was that of a thorough professional and was well prepared for his teach back sessions. His speech was very clear and he maintained a calm and consistent pace during the presentation. All the concepts for a given lesson were covered and code examples were provided for the same.

Overall, the teach backs were very good.

Recommendations:

I recommend Ravindra Janardan Lawande as an Apple Certified Trainer for Develop in Swift - Fundamentals.



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Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil



Second Year of Engineering (Semester III)

Introduction to basic Swift Programming

Teaching Scheme	Credit	Examination Scheme
Theory : 2 Hrs/week	Theory: 02	Mid_Sem: 30
Laboratory: 4 Hrs/week	Practical:04	End_Sem: 70

Course Objectives:

1. To learn and understand the basics of the Swift Language.

2. Understanding the programming concepts and features of Swift.

3. To understand the concepts of Variables, Data types and Control flow, functions, structures in Swift.

4. To provide knowledge of Interface Builder basics for Mobile app development using Xcode.

Course Outcomes:

Upon completion of the course, students will be able to:

CO1. Identify and Understand the basic terminologies used in Swift programming Language.

CO2. Proficient in using the basic constructs of Swift, to develop program.

CO3. Code and debug Swift programs using Xcode and Playground

CO4. Understand the fundamentals of Swift and be able to apply it in iOS app development.

Course Contents			
Unit I	Installation Basics &	08 Hours	
	Introduction to Swift		

Introduction to Xcode and Swift Playgrounds: Installation of Swift on macOS and Linux, creating a package, Building an Executable, Working with multiple Source File. Installation of Xcode, Working with Xcode, create a simple program and execute it using Xcode, Working with swift playgrounds, create a simple program and execute it using swift playgrounds.

Introduction of Swift: features of Swift, Data types, constant and variables, operators Type Annotations, Naming Constants and Variables, Printing Constants and Variables,

						<u> </u>			
	Unit II		S	trings &	2 Contro	l Flow		08 Hour	'S
Strings a	and Characte	e rs : St	ring Lit	erals, M	ultiline S	String Liter	als, Special	Charact	ters in String
Literals	Initializing	an	Emnty	String	String	Mutahility	v Workin	σ with	Characters

Initializing an Empty String, String Mutability, Working Concatenating Strings and Characters, String Interpolation, Counting Characters, Substrings, **Comparing Strings, Prefix and Suffix Equality**

For-In Loops, While Loops: While, Repeat-While. Conditional Statements: If-else, Switch, Control Transfer Statements: continue, break, fall through, return, and throw.

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Unit III	Functions	07 Hours
Functions: Defining and C	alling Functions, Function Pa	arameters and Return Values:
Functions Without Return Va	alues, Functions with Multiple	Return Values, Optional Tuple
Return Types, Function Argun	nent Labels and Parameter Nan	nes: Specifying Argument Labels,
Omitting,		



Argument Labels, Default Parameter Values, Variadic Parameters, Function Types, Function, Types as Parameter Types.

Unit IV	Structures and Classes	07 Hours	
Structures: Definition Synt	tax, Structure and Class In	stances, Accessing Properties,	
Memberwise Initializers for	Structure Types, Value types of	or Reference Types. Properties:	
Stored Properties, Lazy Store	d Properties, Computed Proper	ties, Property Observers. Global	
and Local Variables, Type P	roperties, Type Property Synt	ax, Querying and Setting Type	
Properties			
Methods, Instance Methods, s	elf-Property, Mutating Method,	Type Methods Inheritance: Base	
Class, types of Inheritance	, Sub classing, Overriding: A	Accessing Superclass Methods,	
Properties, and Subscripts, O	verriding Methods, Overriding	Properties, Overriding Property	
Getters and Setters, Preventin	g Overrides.		
Unit V	Interface Builder Basics	07 Hours	
Introduction: Introduction	to iOS, Mobile application of	levelopment, Overview of iOS	
platform, setting up Xcode & t	ools, MVC design pattern.		
Interface Builder Basics: C	ommon system views, Interfa	ce Builder Storyboards, project	
options, default project, create	e a new project with label and a	greet function.	
Unit VI	Introduction to UIKit	07 Hours	
Common system views	configuration: Label (UILa	bel), Image view,Text view,	
Toolbars(UIToolbar), Navigat	ion bars, tab bars, Controls, But	ton, Segmented controls, Sliders,	
Switches, Date pickers, UIk	Kit User Interface Catalog, D	isplaying data: Content mode,	
Unexpected Clipping.			
Auto Layout: Layout for mu	iltiple sizes, Why Auto Layout	?, Create alignment constraints,	
create size constraints, Resol	ve constraint issues, Safe area	layout guide, resolve constraint	
warnings, Constraints betwee	warnings, Constraints between siblings,		
Stack Views: Stack views, stack view attributes, Size classes			
Learning Resources			
Text Books:			
1. Matthew Mathias, John Gallagher, Swift Programming: The Big Nerd Ranch Guide 2nd edition			
2015. 2. Matt Neuberg , iOS 12 Programming Fundamentals with Swift, OReilly; 5th edition.			
3. App Development with Swift (as available on iBook Store)			
Reference Books:			
4 D I D (1 1 1 1 1			

- macOS, iOS, and Beyond, O'Reilly Media, Inc., 3rd ed, 2018.
- 2. Jon Hoffman, Mastering Swift 4, Packt Publishing Limited ,4 thedition,2017.

3. Vandad Nahavandipoor. iOS 11 Swift Programming Cookbook, O'Reilly Media, 2017

4. S. Yamacli, Beginner's Guide to iOS 11 App Development Using Swift 4: Xcode, Swift and App Design Fundamentals, (1e), USA: CreateSpace Independent Publishing Platform, 2017.

Swift Laboratory

Suggested List of Laboratory Experiments/Assignments

Student should perform at least 15 experiments from group A **(Use suitable programming language/Tool for implementation)**

Group A:

1. Installation of Swift , Xcode and Playground.

2. Program to print Hello world (Using terminal and Xcode)

3. Program to demonstrate variable and constant declaration in Swift.



- 4. Program to demonstrate different arithmetic operators in Swift.
- 5. Program to demonstrate String Literals, Multiline string and special characters.
- 6. Program to demonstrate String mutability, Empty String and String Interpolation.
- 7. Program to demonstrate Characters in Swift.
- 8. Program to demonstrate various String comparisons in Swift.
- 9. Program to demonstrate For-In loop in Swift.
- 10. Program to demonstrate While loop in Swift.
- 11. Program to demonstrate Repeat-While in Swift.
- 12. Programs to demonstrate various control statements in Swift.
- 13. Programs to demonstrate function with and without return type and parameters.
- 14. Program to demonstrate function returning multiple values.
- 15. Program to demonstrate function returning optional tuple.
- 16. Programs to demonstrate function with and without argument label.
- 17. Program to demonstrate Structure.
- 18. Program to demonstrate Properties, Member wise and Initializers for Structure Types.
- 19. Programs to demonstrate Stored Properties, Lazy Stored Properties, and Computed

Properties, and Property Observers.

20. Programs to demonstrate different types of Inheritance in Swift.

Group B :

1. Lab - Introduction.playground

- 2. Lab Constants and Variables.playground
- 3. Lab Operators.playground
- 4. Lab Control Flow.playground
- 5. Lab Strings.playground
- 6. Lab Functions.playground
- 7. Lab Structures.playground
- 8. Lab Classes.playground
- 9. Lab Loops.playground

Group C:

- 1. Guided Project: Light
- 2. Guided Project: Apple Pie





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Dr. Vitthalrao Vikhe Patil Foundation's

Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar



Second Year of Engineering (Semester IV)

Advanced Swift Programming and UI Concepts

Teaching Scheme	Credit	Examination Scheme
Theory : 2 Hrs/week	Theory: 02	Mid_Sem: 30
Laboratory: 4 Hrs/week	Practical:04	End_Sem: 70

Course Objectives:

1. To learn and understand the optionals, Type casting in Swift Language

2. Understanding the app anatomy and life cycle in Swift.

3. To learn concept of view controller life cycle and building simple workflows.

4. To provide knowledge of segues and navigation controllers for Mobile app development using Xcode.

Course Outcomes:

Upon completion of the course, students will be able to:

CO1. Identify and understand the optionals, Type casting used in Swift programming Language.

CO2. Proficient in building simple workflows.

CO3. Apply the Knowledge optionals, Type casting for iOS App development.

CO4. Understand the advanced concepts of Swift and be able to apply it in iOS app development.

Course Contents			
Unit I	Optionals	08 Hours	

Optionals: Intro to Optionals, Specifying the Type of an Optional, Working with Optional Values, Functions and Optionals, Failable Initializers, Optional Chaining, Implicitly Unwrapped Optionals,

Unit II	Type Casting and Inspection,Guard,Enums	07 Hours
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Type Casting, Any, Guard with optionals, Constant and variable scope, variable shadowing, Shadowing and Initializers, Enumerations

Unit III	App Anatomy and Life	08 Hours
Onitin	Cycle	

App life Cycle, break down the delegate, Protocols methods: Did Finish Launching, Will Resign Active, Did Enter Background, Will Enter Foreground, Did Become Active, Will Terminate. **View Controller life Cycle:** viewDidLoad, viewWillappear, viewDidappear, viewWillDisappear





Unit IV	Building Simple Workflows	07 Hours

Design Principles, Aesthetic Integrity, Consistency, Direct Manipulation, Feedback, Metaphors, User Control, Human Interface Guidelines, Navigation Hierarchy, Hierarchical Navigation, Flat Navigation, Content-Driven, or Experience-Driven, Navigation, Navigation Design Guidelines, Example Workflow

Unit V	Segues, Navigation Controllers and Tab Bar	07 Hours
	Controllers	

Segues, Unwind Segue, Navigation Controllers, Navigation Bar, Navigation Item, Pass Information, Create Programmatic Segues,

Tab Bar Controllers: Add a Tab Bar Controller, Add Tabs, Tab Bar Items, Customize Tab Bar

Items, Configuring The TabBar, Programmatic Customization, Link the Tabs to Code

11	User Interactivity and	07 Hours
Unitiv	Advanced UI Concepts	

Common system views configuration: Gestures, Extensions, Delegation, Protocols, Closures, and Handling Touches.

Basic iOS Animations: Timer, view based animations, UI dynamics, Alerts, Actions Sheets, Notifications, Segues.

Learning Resources

Text Books:

 Matthew Mathias, John Gallagher, Swift Programming: The Big Nerd Ranch Guide 2nd edition, 2015.
Matt Neuberg, iOS 12 Programming Fundamentals with Swift, OReilly; 5th edition.
App Development with Swift (as available on iBook Store)

Reference Books:

1. Paris Buttfield-Addison, Jonathon Manning , Tim Nugent Learning Swift: Building Apps for macOS, iOS, and Beyond, O'Reilly Media, Inc., 3rd ed, 2018.

2. Jon Hoffman, Mastering Swift 4, Packt Publishing Limited ,4 thedition,2017.

3. Vandad Nahavandipoor. iOS 11 Swift Programming Cookbook, O'Reilly Media, 2017

4. S. Yamacli, Beginner's Guide to iOS 11 App Development Using Swift 4: Xcode, Swift and App Design Fundamentals, (1e), USA: CreateSpace Independent Publishing Platform, 2017.

Swift Laboratory

Suggested List of Laboratory Experiments/Assignments

(Use suitable programming language/Tool for implementation)

Group A:

- 1. Lab: Optionals.playground
- 2. Lab: Type casting.playground
- 3. Lab: Guard.playground
- 4. Lab: Enumerations.playground





Group B:

- 1. Create an App to demonstrate Lifecycle of an App.
- 2. Create an App to demonstrate ViewController Lifecycle.
- 3. Create an App to demonstrate User Interactivity and Advanced UI Concepts.
- 4. Create different apps using Timer, Alerts, Actions Sheets and Notifications.

Group C:

Guided Project: **Personality Quiz**







Third Year of Engineering (Semester V)

iPhone Application Development

Teaching Scheme	Credit	Examination Scheme
Theory : 2 Hrs/week	Theory: 02	Mid_Sem: 30
Laboratory: 4 Hrs/week	Practical:04	End_Sem: 70

Course Objectives:

1. To learn and understand the MVC Design pattern in Swift Language

2. Understanding the Parsing JSON data, SqLite databases in Swift.

3. To learn concept of Data Persistence.

4. To provide knowledge of Introduction to machine learning CoreML.

Course Outcomes:

Upon completion of the course, students will be able to:

CO1. Identify and understand the MVC Design pattern used in Swift programming Language.

CO2. Proficient in using the Parsing JSON data, SqLite databases of Swift, to develop program.

CO3. Apply the Knowledge Data Persistence for iOS App development.

CO4. Understand the fundamentals of machine learning CoreML and be able to apply it in iOS app development.

	Course Contents	
Unit I	iPhone Application	08 Hours
	Development	

Understand the MVC Design pattern, MVC in XCode, Using Application Templates, User Input and Output: Handling Keyboard Input, Implementing Alert, Sounds and Vibrations, Using XCode debugger.

	Unit II	Database Management and Web Services	08 Hours	
-			 11	

Parsing JSON data, Parsing XML data, SqLite databases, Web Service APIs calls

Unit III Data Persistence		07 Hours
File System, SQLite, NSUserDefau	ılts	

Concurrency and Background Execution: GCD and Closures, NSOperation and NSOperation Queue, Background execution





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Introduction to machine learning CoreML - Using pre-trained machine learning models for image recognition Using IBM Watson Bluemix and Carthage for intelligent iOS apps Advanced CoreML - Converting a model from Caffe to MLModel CreateML - Creating your own image recognition model Advanced CreateML - Create a Twitter sentiment analysis machine learning model using natural language processing (NLP) tools from CreateML.

Introduction to augmented reality, ARKit and SceneKit, Creating 3D objects and text in AR

Unit V	Augmented Reality on iOS	07 Hours
	and ARKIT	

Animations in AR Plane detection Measuring real world distances in AR Image recognition and tracking in AR Rendering 3D models on tracked images Playing videos in real world tracked images

Unit VI	Publishing to App Store	07 Hours
Familiarising with App Store, Co	onnect How to write the app listi	ng, Apple TestFlight, Submitting
your app for review		

Learning Resources

Text Books:

1. Matthew Mathias, John Gallagher, Swift Programming: The Big Nerd Ranch Guide 2nd edition, 2015. 2. Matt Neuberg , iOS 12 Programming Fundamentals with Swift, OReilly; 5th edition.

3. App Development with Swift (as available on iBook Store)

4. Beginning ARKit for iPhone and iPad: Augmented Reality App Development for iOS, Wallace Wang, Springer India

5. Beginning Machine Learning In Ios Coreml Framework, Thakkar, Springer India

6. Machine Learning for iOS Developers, Abhishek Mishra, Wiley

Reference Books:

1. Paris Buttfield-Addison, Jonathon Manning , Tim Nugent Learning Swift: Building Apps for macOS, iOS, and Beyond, O'Reilly Media, Inc., 3rd ed, 2018.

2. Jon Hoffman, Mastering Swift 4, Packt Publishing Limited ,4 thedition,2017.

3. Vandad Nahavandipoor. iOS 11 Swift Programming Cookbook, O'Reilly Media, 2017

4. S. Yamacli, Beginner's Guide to iOS 11 App Development Using Swift 4: Xcode, Swift and App Design Fundamentals,(1e), USA: CreateSpace Independent Publishing Platform, 2017.

Group A:

Swift Laboratory

1. Guided Project: Habits

2. Guided Project: **Restaurants**

Gropu B:

 $1.\,Develop\,Weather\,Forecasting\,App\,using\,iOS$

2. Develop student information system app for college using iOS

- 3. Develop Financial App using iOS
- 4. Create an iOS Question AnswerApp
- 5. Create a Calulator App using los

Group C:

- 1. Design ios app based on CoreML
- 2. Design ios home decore app based on AR model



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LJ.Lawande, Apple Trainer for n r (Technical) for info. pls	R.J.Lawande will communicate ndance is compulsory for all stud of. R.J.Lawande e Certified Trainer	Module Fundamental of Swift Lang (Module-1) Advanced Swift Languages (Module-2)	HIICI Apple HIICI Apple students are hereby informed to to dule-2 from 22/01/2024. to
na, & Dr. S.R.Udawant, ATC Coordina	if any extra classes & change in scl lents Dr.S.R.Udawant Apple Certified Trainer	given below. guages Day & Time Monday & Tuesday 8.45am to 9.55am Wednesday & Thursday 8.45am to 9.55am	Centre of Engineering, Ahmedn Centre of Excellence hat, we are rescheduling the class
ttorfor na & record	nedule Dr. Uday Naik Principal		agar Date: 16/01/2022, es of Apple Module-1

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Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar DTE College Code: EN-5161

APPLE CENTRE OF EXCELLENCE

(Authorized Training Center Education)

List of Students

Fundamental of Swift Language (Module-I)

A.Y 2023-2024

Sr. No	Name of the Student	Apple ID
1	Vaishali Bizote	APL-023-301
2	Deshmukh Pratiksha P	APL-023-302
3	Unde Shivani	APL-023-303
4	Kore Shreya	APL-023-304
5	Aditi Pawar	APL-023-305
6	Vaishnawi Gade	APL-023-306
7	Sneha Panpat	APL-023-307
8	Pooja Kakade	APL-023-308
9	Namrata Pimparkar	APL-023-309
10	Galande Ashnita Tanhaji	APL-023-310
11	Dongare Pratiksha G.	APL-023-311
12	Waghmode Tejaswini A.	APL-023-312
13	Akshada Sharad Aware	APL-023-313
14	Dipti Bhaskar Berad	APL-023-314
15	Rutuja Narayan Mote	APL-023-315
16	Sejal Sameer Zende	APL-023-316
17	Mansi Gugale	APL-023-317
18	Arpita Teli	APL-023-318
19	Dhadge Ishwari Ananta	APL-023-319
20	Kakade Nishigandha Sachin	APL-023-320
21	Boob Gayari Radhesham	APL-023-321
22	Amol Subhash Dangat	APL-023-322
23	Khatane Sanskruti Sudam	APL-023-323
24	Mhaske Siddhi Madhukar	APL-023-324
25	Chavan Prerana Avinash	APL-023-325
26	Pagire Siddhi Rajendra	APL-023-326
27	Yemul Sakshi Krushnahari	APL-023-327
28	Zambare Ishwari Balasaheb	APL-023-328
29	Shivam Dadasaheb Gavhane	APL-023-330
30	Divate Eshwari Machindra	APL-023-332

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Apple Coordinator (Dr.S.R.Udawant)

Principal (Dr.U.P.Naik)



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Dr. Vithalrao Vikhe Patil

(Authorized Training Center Education)

List of Students

Authorised

Education

Advanced Swift Programming & UI Concepts (Module-II)

A.Y 2023-2024

Sr. No	Name of the Student	Apple ID
1	CHAUDHARI KALPESH RAVINDRA	APL-M23-102
2	KULKARNI BHAKTI GAJANAN	APL-M23-108
3	GAWARE AARTI SHOBHACHAND	APL-M23-109
4	KATORE SMITA ASHOK	APL-M23-110
5	JADHAV NIKHIL DILIP	APL-M23-111
6	ADESH SANGALE	APL-M23-116
7	OM RAUT	APL-M23-117
8	PARAM RAJIV	APL-M23-119
9	GUDGAL ANIKET NAVNATH	APL-M23-202
10	BHOSALE PUSHPAK ASHOK	APL-M23-203
11	BHANUSE KAUSHIK VISHWAS	APL-M23-205
12	NIRBAN TANMAY ASHISH	APL-M23-209
13	BIJJA ADITYA RAJENDRA	APL-M23-210
14	KUSAKAR YASH RAJESH	APL-M23-215
15	SASE CHAITANYA BHARAT	APL-M23-219
16	KALE ISHWARI ATMARAM	APL-M23-301
17	DALVI AMRUTA SUBHASH	APL-M23-302
18	JADHAV VAISHNAWI KHANDU	APL-M23-303
19	KALAMKAR ADITI SATRISH	APL-M23-304
20	LOTKE ASHWINI SAMBHAJI	APL-M23-305
21	DHORKULE RUTUJA RAMHARI	APL-M23-306
22	POOJA RAMESH HARISCHANDRE	APL-M23-310
23	SNEHAL PANDURANG KOTKAR	APL-M23-312
24	BHAKTI JAYESH BARSHIKAR	APL-M23-313
25	RUTUJA PRADIP BODAKHE	APL-M23-314
26	SAHIL JADHAV	APL-M23-321

Apple Coordinator

(Dr.S.R.Udawant)

Principal

(Dr.U.P.Naik)





Dr. Vitthalrao Vikhe Patil Foundation's Dr. Vithalrao Vikhe Patil

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College of Engineering Ahmednagar DTE College Code: EN-5161

APPLE CENTRE OF EXCELLENCE

(Authorized Training Center Education)

Result Exam: Aug-2024									
Fundamental of Swift Language (Module-I)									
	A.Y 2023-2024		Date: 30/(30/08/2	024		
Sr. No	Name of the Student	Seat No	Th	Pr	Tw	Total	Pointer	Grade	Rank
1	Vaishali Bizote	2023240001	55	44	46	145	7.26	A+	
2	Deshmukh Pratiksha P	2023240002	57	43	46	146	7.29	A+	
3	Unde Shivani	2023240003	60	46	49	155	7.74	A+	
4	Kore Shreya	2023240004	57	45	47	149	7.47	A+	
5	Aditi Pawar	2023240005	51	40	42	133	6.66	А	
6	Vaishnawi Gade	2023240006	41	38	41	120	6.00	А	
7	Sneha Panpat	2023240007	42	41	41	124	6.21	А	
8	Pooja Kakade	2023240008	59	30	36	125	6.24	А	
9	Namrata Pimparkar	2023240009	48	31	41	120	6.00	А	
10	Galande Ashnita Tanhaji	2023240010	56	45	47	148	7.41	A+	
11	Dongare Pratiksha G.	2023240011	51	43	45	139	6.93	А	
12	Waghmode Tejaswini A.	2023240012	48	32	40	120	6.00	А	
13	Akshada Sharad Aware	2023240013	67	42	47	156	7.80	A+	
14	Dipti Bhaskar Berad	2023240014	71	46	49	166	8.30	A++	1
15	Rutuja Narayan Mote	2023240015	40	30	38	108	5.40		
16	Sejal Sameer Zende	2023240016	AB	AB	AB	AB	ABS	ENT	
17	Mansi Gugale	2023240017	63	45	49	157	7.83	A+	
18	Arpita Teli	2023240018	57	30	35	122	6.12	Α	
19	Dhadge Ishwari Ananta	2023240019	56	31	36	123	6.15	Α	
20	Kakade Nishigandha Sachin	2023240020	46	40	41	127	6.36	Α	
21	Boob Gayari Radhesham	2023240021	46	39	40	125	6.27	Α	
22	Amol Subhash Dangat	2023240022	65	47	49	161	8.05	A++	2
23	Khatane Sanskruti Sudam	2023240023	59	43	46	148	7.41	A+	
24	Mhaske Siddhi Madhukar	2023240024	56	44	46	146	7.32	A+	
25	Chavan Prerana Avinash	2023240025	68	46	46	160	8.00	A++	3
26	Pagire Siddhi Rajendra	2023240026	66	44	48	158	7.92	A+	
27	Yemul Sakshi Krushnahari	2023240027	64	46	50	160	7.98	A+	
28	Zambare Ishwari Balasaheb	2023240028	43	37	40	120	6.00	A	
29	Shivam Dadasaheb Gavhane	2023240029	45	35	40	120	6.00	Α	
30	Divate Eshwari Machindra	2023240030	51	41	43	135	6.75	А	

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Training Centre Dr. Vithalrao Vikhe Patil Foundation

Ahmedr

(Dr.S.R.Udawant)

Principal (Dr.U.P.Naik)



Training Centre Dr. Vithalrao Vikhe Patil Foundation College of Engineering Ahmednagar DTE College Code: EN-5161 Ahmedi

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Dr. Vithalrao Vikhe Patil

APPLE CENTRE OF EXCELLENCE

(Authorized Training Center Education)

Result Exam: Aug-2024									
Advanced Swift Programming & UI Concepts (Module-II)									
A.Y 20	23-2024						Date: 30/08/2024		
Sr. No	Name of the Student	Seat No	Th	Pr	Tw	Total	Pointer	Grade	Rank
1	Mr. Chaudhari Kalpesh R.	2022230001	51	45	46	142	7.11	A+	
2	Miss. Kulkarni Bhakti Gajanan	2022230006	65	46	47	158	7.90	A+	
3	Miss. Gaware Aarti S.	2022230007	68	47	48	163	8.15	A++	1
4	Miss. Katore Smita Ashok	2022230008	65	48	47	160	8.00	A++	
5	Mr. Jadhav Nikhil Dilip	2022230009	AB	AB	AB	AB	ABSENT		
6	Mr. Aadesh Sangale	2022230014	64	38	43	145	7.26	A+	
7	Mr. Om Raut	2022230015	59	30	36	125	6.24	A+	
8	Mr. Param Rajiv	2022230016	43	39	40	122	6.09	A+	
9	Mr. Gudgal Aniket N.	2022230018	42	46	45	133	6.66	A+	
10	Mr. Bhosale Pushpak A.	2022230019	69	46	45	160	8.00	A++	
11	Mr. Bhanuse Kaushik Vishwas	2022230020	56	45	47	148	7.41	A+	
12	Mr. Nirban Tanmay A.	2022230023	52	34	38	124	6.18	А	
13	Mr. Bijja Aditya R.	2022230024	48	35	38	121	6.03	А	
14	Mr. Kuskar Yash Rajesh	2022230029	47	36	38	121	6.06	А	
15	Mr. Sase Chaitanya B.	2022230031	58	28	34	120	6.00	А	
16	Miss. Kale Ishwari A.	2022230033	67	46	47	160	8.00	A++	3
17	Miss. Dalvi Amruta S.	2022230034	59	36	41	136	6.78	А	
18	Miss. Jadhav Vaishnawi K.	2022230035	48	37	39	124	6.21	А	
19	Miss. Kalamkar Adiiti S.	2022230036	54	35	39	128	6.39	А	
20	Miss. Lotke Ashvinee S.	2022230037	54	38	41	133	6.66	А	
21	Miss. Dhorkule Rutuja R.	2022230038	66	45	46	157	7.85	A+	
22	Miss. Pooja R Harischanre	2022230042	AB	AB	AB	AB	ABSENT		
23	Miss. Snehal Pandurang Kotkar	2022230043	67	47	47	161	8.05	A++	2
24	Miss. Bhakti Jayesh B.	2022230044	45	40	41	126	6.30	А	
25	Miss. Rutuja Pradip B.	2022230045	52	44	46	142	7.08	A+	
26	Mr. Sahil Jadhav	2022230051	42	39	40	121	6.03	А	

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Principal (Dr.U.P.Naik)





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(Authorized Training Center Education)

Result Exam: Oct-2023

Fundamental of Swift Language (Module -I)

Batch: March 2023	Seat No: 2022230006							
Name of the student : Miss. Kulkarni Bhakti Gajanan								
Subject Head	Max. Marks	Marks Obtained	Grade					
Fundamental of Swift Language (TH)	100	66	А					
Fundamental of Swift Language Lab (PR)	50	46	0					
Fundamental of Swift Language Lab (TW)	50	46	0					
Total	200	158						
Pointer	7.9	Grade	A+					

Prof.R J. Lawande

Apple Certified Trainer

Prof. Dr. S R. Udawant ATC Coordinator Prof.Dr. Uday P. Naik Principal



Grading : 0-3.9 Fail (FF), 4.0 - 4.4 C, 4.5-4.9 B, 5-5.9 B+, 6.0-6.9 A, 7.0-7.9 A+, 8.0-8.9 A++, 9.0-10% O (Outstanding)





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This is to certify that,

Mr./Miss Shejul Amol Gorakshnath

has successfully completed course (Duration 6 Months) "Fundamental of Swift Language - Apple Module-I" with **A+** grade during academic year 2022-23.

Prof. Ravindra J. Lawande Apple Certified Trainer

Vilad Ghat, Vadgaon Gupta PO MIDC, 0 Ahmednagar, (MS) India - 414111

Prof. (Dr.) Sandip R. Udawant, Apple Center Coordinator



Prof. (Dr.) Uday P. Naik, Principal

Certificate No.







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with A+ grade during academic year 2022-23.

Plant

Prof. Ravindra J. Lawande **Apple Certified Trainer**

 Vilad Ghat, Vadgaon Gupta PO MIDC, Ahmednagar, (MS) India - 414111









Prof. (Dr.) Uday P. Naik, Principal

Certificate No.

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and

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Prof. Dr. S R. Udawant

ATC Coordinator

Prof.Dr. Uday P. Naik

Principal



Grading : 0-3.9 Fail (FF), 4.0 - 4.4 C, 4.5-4.9 B, 5-5.9 B+, 6.0-6.9 A, 7.0-7.9 A+, 8.0-8.9 A++, 9.0-10% O (Outstanding)



Inaugural of Apple Centre of Excellence by the hands of Hon. Vice chancellor, SPPU, Pune





Apple Centre of Excellence Laboratory



