

**Swarnim Institute of Technology**  
**Department Of Computer Engineering**  
**Department of Information Technology**

Gandhinagar , 17/01/2024 — Swarnim Institute of Technology recently organized a highly successful workshop on Artificial Intelligence (AI), Data Science, and Data Analysis in collaboration with Pioneer Tech. The event took place on the 17th of January 2024 and saw active participation from students pursuing B. Tech, Diploma, and Computing programs.

The workshop provided an invaluable platform for students and faculty to delve into the latest advancements in AI and data-related technologies. Through collaboration with Pioneer Tech, a leading tech organization, participants gained practical insights into the applications and significance of these cutting-edge fields.

Both students and faculty members exhibited enthusiastic engagement throughout the workshop, showcasing the institute's commitment to fostering a dynamic learning environment. The event aimed to equip participants with essential skills and knowledge in AI, Data Science, and Data Analysis, aligning with the ever-evolving demands of the tech industry.

Swarnim Institute of Technology continues to play a pivotal role in preparing students for the challenges of the modern workforce. The success of this workshop underscores the institute's dedication to providing quality education and staying at the forefront of technological advancements.



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai  
Shah  
DN: c=IN, o=Personal, title=4505,  
postalCode=02ae99b014542a10b44  
03eead1ee,  
2.5.4.20=f204876d3d5d2076d89a30ee  
40335a9f5d009d3a489331c3d6ebd0  
07951483, postalCode=380015,  
cn=Registrar,  
serialNumber=0260a2677309ae3dc,  
serialNumber=0260a2677309ae3dc,  
407066b446, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'



**Registrar**

Swarnim Startup & Innovation University  
At : Bhayan Rathod, Gandhinagar.



Grafen

SWARNIM INSTITUTE OF  
TECHNOLOGY

Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: cn=, o=Personal, email=4505,  
pseudonym=02ae9fb0114542e5bb44  
53ee0d1fcc,  
2.5.4.20-42d6874d45a02b76899e3bee  
af3b3e9f5408942de4f9537358eeb40  
d7951483, c=, st=Karnataka,  
serialNumber=01260a2fa77309ae82dc  
5ae6b105cf71c63a14741552ca365cbb7  
40766bb4d4d6, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.



## Swarrnim Startup & Innovation University Activity Report 2024

<b>Institute/Department</b>	<b>SWARRNIM INSTITUTE OF TECHNOGY</b>
<b>Activity/Event Name</b>	Workshop
<b>Date of the event</b>	19/01/2024
<b>Duration</b>	2Hrs(10:00amto12:00PM)
<b>Participant's Branch/Institutes</b>	<b>SWARRNIM INSTITUTE OF TECHNOLOGY</b>
<b>Total Number of Participants</b>	60
<b>Name of Mentor/Principal</b>	DR.JayanShekar
<b>Name of Speaker/Guest</b>	Mr.Chintan Dave
<b>Faculty Coordinator Details (Name,Designation,Contact Details)</b>	Prof.Kalpesh Patel Assistant professor Computer Engineering Department
<b>Student Coordinator Details (Ifany)</b>	NA

  
**Registrar**  
 Swarnim Startup & Innovation University  
 At : Boyan Rathod, Gandhinagar.

## **Objective of the event:**

The primary objective of the AI Certification Workshop is to equip participants with a comprehensive understanding of Artificial Intelligence, spanning from fundamental concepts to advanced applications. The workshop aims to bridge the gap between theory and practical implementation, empowering attendees to apply AI principles in real-world scenarios.

## **Flow of Event:**

The workshop will unfold in a structured manner, covering key aspects of AI through Engaging presentations, interactive discussions, and hands-on exercises. Mr.Chintan Dave, a seasoned expert in the field, will guide participants through the following agenda:

1. Introduction to AI & Ai Cert: Overview of AI concepts & Its certification, its evolution, and its impact on various industries.
2. Fundamental Principles: A deep dive in to the fundamental principles of AI, including machine learning neural networks, and natural language processing.
3. Real-world Applications: Exploration of AI applications across diverse sectors, show casing its transformative potential.
4. Hands- on Exercises: Practical sessions allowing participants to apply their knowledge and skills in real-world scenarios, facilitated by Mr.Chintan Dave.

## **Significance/Outcome:**

The AI Certification Workshop holds immense significance for participants, the institute, and the broader community:

1. Skill Enhancement: Participants will gain practical insights and skills essential for navigating the AI landscape, enhancing their professional capabilities
2. Networking Opportunities: The event provides a platform for participants to connect with peers, industry professionals, and the esteemed facilitator, fostering valuable networks within the AI community.
3. Industry-Relevant Certification: The certification awarded by Swarrim Institute of Technology holds weight in the industry, signifying a commitment to excellence in the field of Artificial Intelligence.
4. Empowering Innovation: As AI continues to drive innovation across industries, This workshop empowers individuals to contribute to and lead the charge in shaping the future.

  
**Registrar**  
Swarrim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.



## **Conclusion:**

As a special feature, Mr.Chintan Dave will be available for consultation sessions, offering participants the rare opportunity to seek personalized guidance on their AI-related queries and projects.

## **Photographs:**



*Dr. Mohit*

SWARNIM INSTITUTE OF  
TECHNOLOGY

*Parul*  
Registrar

Swarnim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.



  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.

1. Understanding the ethical considerations and legal framework surrounding Hacking practices.
2. Recognizing the significance of cyber security measures in safeguarding digital assets and privacy.
3. Identifying common cyber threats and adopting proactive strategies to mitigate risks.
4. Gaining insights into ethical hacking techniques and best practices for securing systems and networks.
5. Acquiring practical skills through hands-on exercises and demonstrations.

The workshop on Ethical Hacking and Cyber Security, organized in collaboration with Cyber Octet Private Limited, provided participants with a comprehensive understanding of the principles and practices essential for safe guarding against cyber threats. The interactive sessions, practical demonstrations, and engaging discussions facilitated knowledge sharing and skill development, empowering attendees to adopt proactive measures in securing their digital environments.



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: c=IN, o=Personal, title=4505,  
pseudonym=02ae9fb0b114542e5bb44  
53de0d1fccc,  
2.5.4.2.4026474d445a02b76d89e3bae  
af3635e9f5408942de4f9537c58ee840  
74951483, postalCode=380015,  
st=Gujarat,  
serialNumber=01260a2fa7f3709ae82dc  
5a6be105cf71634c14741552ca365cb01  
407666b4d6d, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.



Dr. Mohit  
SWARINIM INSTITUTE OF  
TECHNOLOGY



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai  
Shah  
DN: c=IN, o=Personal, title=4595,  
personalEmail=02a9f9b114542a5b44  
@3a6edf1fca,  
2.5.4.20=f2a874484a02a3f0b9a0ba  
a533a5a7f430943a5a99371c0a4b40  
7991483, postalCode=380015,  
1= Gujarat,  
serialNumber=0260a2677309ae83dc  
5a6e19f5c7163c417a1552a3a5c0d7  
40766b446b, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
**Registrar**  
Swarinim Startup & Innovation University  
At : Bhoyan Rathod, Gandhinagar.





- **Community Engagement:** The event served as a catalyst for fostering a vibrant developer community, wherein individuals come together to learn, collaborate, and innovate.

**Closing Thoughts:** The "Introduction to GitHub with GitHub.dev" session, spear headed by Aryan Gajjar, proved to be a sounding success leaving attendees inspired and equipped to embark on their coding endeavors with renewed vigor. As the world of technology continues to evolve, such educational initiatives play a pivotal role in equipping aspiring developers with the tools and insights needed to thrive in an ever-changing landscape.



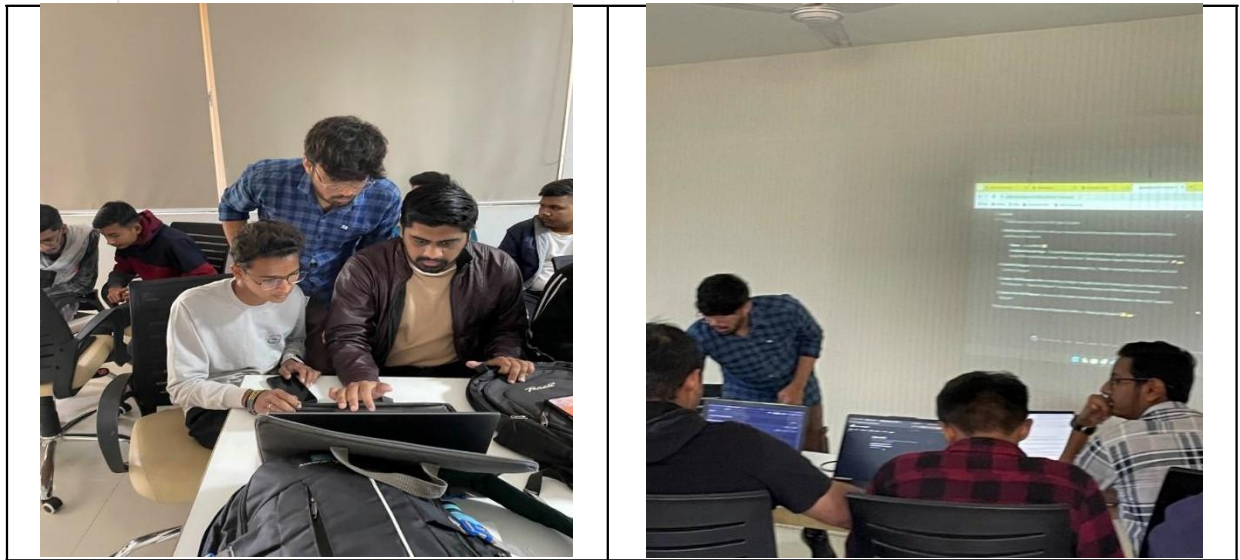
Ragin  
Ravindraba  
hai Shah

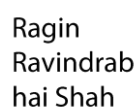
Digitally signed by Ragin Ravindraba  
Shah  
DN: c=IN, o=Personal, title=4595,  
personalid=02a9f9b114542a5b44  
@Swarmim, ou=,  
2.5.4.20=f2a874484a02a3f089a0a  
a633a5a7f403943a499137c0a4d0  
7991483, postalCode=380015,  
st=Gujarat,  
serialNumber=0260a2677709ae3dc,  
sneeze195c7163c41741552a3a95cde7  
40766da446, cn=Ragin Ravindraba  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

A handwritten signature in blue ink, appearing to read "R. Rathod".

**Registrar**  
Swarmim Startup & Innovation University  
At : Bhoyan Rathod, Gandhinagar.

## Glims of event



SWARNIM INSTITUTE OF  
TECHNOLOGY

Digitally signed by Ragin Ravindrabhai Shah  
DN: cn=BH, o=Personal, title=4505,  
pseudonym=02ae9fb01145425ebb44  
53deed1f2c2,  
2.5.4.2.40=828474d54052b76d99e3bee  
af63be9f5408942da49f537c3eeeb40  
d7951483, postalCode=380015,  
st=Gujarat,  
serialNumber=01260a2fa77309ae82dc  
5aebe10f5c7f163c41741552ca365cb67  
407666b4d6, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 to 45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.

Swarnnim Institute of Technology

**Department Of Computer Engineering**

## Department of Information Technology


# One day Workshop Introduction to GitHub with GitHub.dev

Microsoft Learn  
Student Ambassadors

# Introduction to GitHub with GitHub.dev

## Aryan Gajjar ( $\alpha$ -MLSA)



 29/01/2024  
Monday

🕒 10:30 to 12:00 📍 Apple Lab , SSIU

## Perks

Certificate from MLSA

### LinkedIn Premium (Winners)



**Date: January 29, 2024**

**Time: 10:30 AM to 12:00 PM**

**Location:** Apple Lab, Swarnnim University

**Overview:** On January 29, 2024, developers and coding enthusiasts gathered at Swarnnim University's Apple Lab for an enlightening session on "Introduction to GitHub with GitHub.dev," featuring the esteemed expertise of Aryan Gajja (Student) from the Department of Computer Engineering.



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: c=IN, o=Personal, title=4505,  
pseudonym=02ae9fb0114542e5bb44  
53de0d1fccc,  
2.5.4.2.4026474d4a5a02b76d89e3bae  
af363e9f5408942de4f9537c58eeb40  
7d951483, postalCode=380015,  
st=Gujarat,  
serialNumber=01260a2fa77309ae82dc  
5a6be105cf71634c14741552ca365cb01  
407666b4d6c, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.



### Event Highlights:

**Expert Insights:** Aryan Gajjar, a seasoned expert in the field of Computer Engineering, led participants on an immersive journey through the intricacies of GitHub and its revolutionary extension, GitHub.dev.

**Hands-On Learning:** Attendees had the unique opportunity to delve into practical demonstrations, gaining invaluable hands-on experience in navigating GitHub's interface and leveraging GitHub.dev's cutting-edge features.

**Interactive Discussion:** The session fostered an environment of collaborative learning, with attendees actively engaging in discussions, sharing insights, and exploring innovative ways to optimize their coding workflows.

**Networking Opportunities:** Participants seized the chance to connect with like-minded individuals, forging new professional connections and expanding their network within the developer community.

### Key Takeaways:

- **Enhanced Understanding:** Attendees gained a comprehensive understanding of GitHub's functionality and the seamless integration of GitHub.dev into their coding toolkit.
- **Empowerment:** Armed with newfound knowledge and skills, participants left feeling empowered to elevate their coding journey and tackle projects with confidence.
- **Community Engagement:** The event served as a catalyst for fostering a vibrant developer community, where individuals come together to learn, collaborate, and innovate.

**Closing Thoughts:** The "Introduction to GitHub with GitHub.dev" session, spearheaded by Aryan Gajjar, proved to be a resounding success, leaving attendees inspired and equipped to embark on their coding endeavours with renewed vigour. As the world of technology continues to evolve, such educational initiatives play a pivotal role in equipping aspiring developers with the tools and insights needed to thrive in an ever-changing landscape.

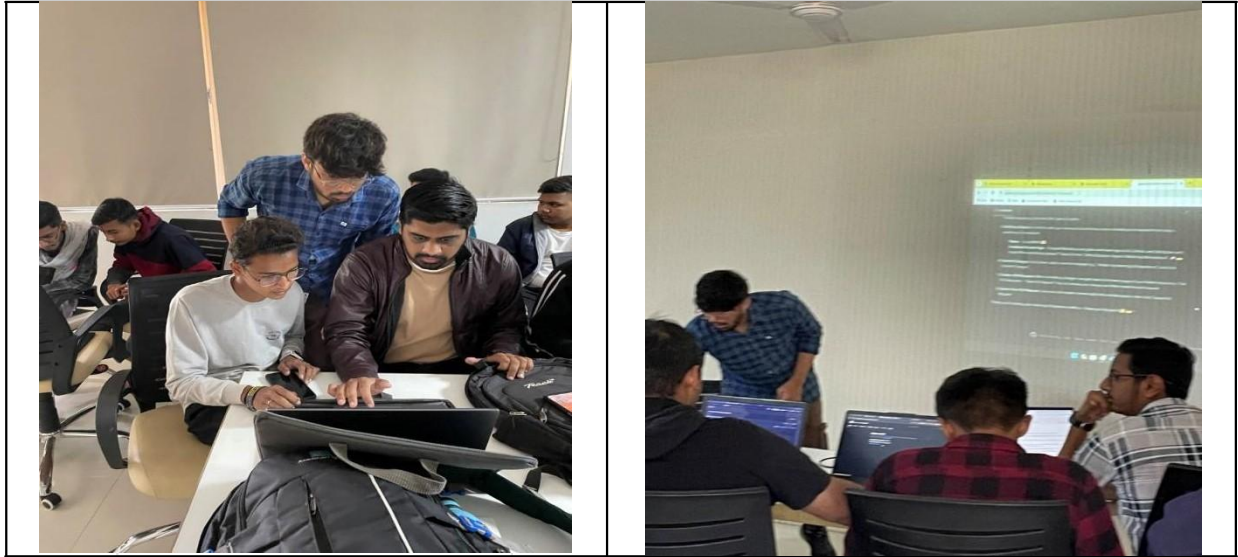


Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: c=IN, o=Personal, title=4505,  
pseudonym=02ae9fb0114542e5bb44  
53de0d1fccc,  
2.5.4.2.4=7634874d45a02b76d89e3bae  
af3635e9f5408942de4f9537c58ee840  
74951483, postalCode=380015,  
st=Gujarat,  
serialNumber=01260a2fa77309ae82dc  
5a6be105cf71634c14741552ca365cb01  
407666b4d6c, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.

## Glims of event



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai  
Shah  
DN: c=IN, o=Personal, title=4505,  
personalEmail=02a9f9b114542a5b44  
@3aeeff10ae,  
2.5.4.20=f2a8b74484a02a30f089a0ba  
4b33a5a7f403943a499337c0aeb40  
37951483, postalCode=380015,  
1=649a9e,  
serialNumber=0260a2677309ae83dc,  
seeDef195c7163c41741552a3a95c0d7  
407660a446, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
**Registrar**  
Swarinim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.



Dr. Mohit

SWARNIM INSTITUTE OF  
TECHNOLOGY



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai  
Shah  
DN: c=IN, o=Personal, title=4505,  
pseudoym=02aef8b114542a10b44  
03baf1f1c,  
2.5.4.20=02a487a4845a02b76d8f9e3e  
46303a95f80802a489315158e0b40  
07951483, postalCode=380015,  
st=Gujarat,  
serialNumber=0286025677309ae2dc  
5a6e10f5c77165c4741552ca365c067  
407060446, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'


  
**Registrar**  
Swarnim Startup & Innovation University  
At : Bhoyan Rathod, Gandhinagar.

**Swarnim Institute of Technology**


## Department of Information Technology

**Department of Computer Engineering**

## Workshop API 101 using Postman



Google Developer Student Clubs  
Swarnim Startup and Innovation University





SWARNIM  
STARTUP & INNOVATION  
UNIVERSITY  
WHERE IDEAS COME ALIVE.

POSTMAN


# API 101 using Postman

Learn basics of API and earn some swags.


 **Thursday September 21,**  
**10:30 a.m.**



**Aryan Gajjar**  
**Postman Students Expert**  
Swarnim University



**Smit Patel**  
**Postman Student Leader**  
SSIT Gandhinagar



## Topic: API 101 using Postman

**Expert: Arayn Gajjar**

**Date: September 21, 2023**

**Time: 10:30 AM onwards**

**Place: Apple Lab, Swarnnim University**

**Introduction:** The session titled "API 101 using Postman" was conducted by Arayn Gajjar, an expert in the field, on September 21, 2023, at the Apple Lab in Swarnnim University. The session aimed to provide participants with fundamental knowledge and practical insights into working with APIs using the Postman tool.

### Key Points Covered:

## 1. Understanding APIs:

- Arayn Gajjar provided a comprehensive overview of Application Programming Interfaces (APIs), explaining their significance in modern software development.
- Participants gained insights into the role of APIs in facilitating communication between different software systems.



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: cn=, o=Personal, title=4505,  
pseudonym=02ae9bb114542e5bb44  
253eedd1fcca,  
2.5.4.20=f2d4874d45a02b76d89a3bae  
af63b5e9f5408942da49f53758eeb40  
d7951483, postalCode=380015,  
st=Gujarat,  
serialNumber=01260a2fa7709ae82dc  
5aeb610f5c717163c41741552ca365cb61  
407666b44d6, cn=Ragin Ravindrabhai  
Shah  
Shah (2024) 2024, 10:30:46 AM, (UTC)

  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.

## 2. Introduction to Postman:

- The session delved into the features and functionalities of Postman, a popular API development tool.
- Arayn Gajjar demonstrated how Postman simplifies the process of testing, documenting, and debugging APIs.

## 3. Practical Demonstration:

- Participants had the opportunity to observe practical demonstrations of API requests and responses using Postman.
- Arayn Gajjar walked through various scenarios, showcasing how to create requests, handle authentication, and interpret responses.

## 4. Best Practices and Tips:

- The expert shared best practices for designing and consuming APIs, emphasizing clarity, consistency, and security.
- Participants received valuable tips for optimizing their API development workflows using Postman.

**Interactive Session:** The session fostered active participation, with attendees engaging in discussions, asking questions, and sharing their experiences related to API development and Postman usage. Arayn Gajjar encouraged a collaborative learning environment, addressing queries and providing additional insights based on real-world scenarios.

**Conclusion:** The session "API 101 using Postman" proved to be informative and beneficial for participants, equipping them with foundational knowledge and practical skills essential for working with APIs. Arayn Gajjar's expertise and interactive teaching style contributed to the success of the session, leaving attendees with a deeper understanding of API concepts and the proficiency to leverage Postman effectively in their projects.



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai  
Shah  
DN: c=IN, o=Personal, title=4505,  
pseudoym=02ae9f9b114542a5b44  
@3xetd1fice,  
2.5.4.20=f2a8b74845a02a30c089a0bae  
4b333a0f7420943a5a49937c0bae4d0  
27991483, postalCode=380015,  
st=Gujarat,  
serialNumber=0260a26a77309ae3dc,  
sneeze195c7163c417a1552a3a95cde7  
40766da446, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
**Registrar**  
Swarnim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.





Grafen

SWARNIM INSTITUTE OF  
TECHNOLOGY

Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: cn=, o=Personal, ou=4505,  
pseudonym=02ae9fb01145425bb44  
d53ee0d1fccc,  
2.5.4.20.7263474d45a02b76d89e3bee  
af3b3e9f5408942da4f953735eeeb40  
d7951483,2089244936=380015,  
st=Gujarat,  
serialNumber=01260a2fa77309ee82dc  
5ae0e105cf72634741741552ca365cb67  
407666b4d6, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Boyan Rathod, Gandhinagar.

## Workshop on Vector Design Tool-Figma

**Introduction:** In today's digital era, understanding various technologies and their applications is crucial for individuals and businesses alike. This report provides an overview of essential technologies, human interface guidelines, designing fundamentals, vector design tool Figma, video editing using iMovie, and fundamentals of iOS development.

- 1. Technologies Overview:** Technologies encompass a broad spectrum of tools and systems utilized to accomplish various tasks. These can range from hardware like computers and smartphones to software applications and programming languages. Understanding technologies helps individuals leverage them effectively for personal or professional purposes.
- 2. Human Interface Guidelines & Designing Fundamentals:** Human Interface Guidelines (HIG) are a set of principles and recommendations provided by platform developers (such as Apple or Google) to ensure consistency and usability in software interfaces. Designing fundamentals involve understanding principles of visual design, user experience (UX), and user interface (UI) design. This includes aspects such as typography, color theory, layout, and usability.
- 3. Vector Design Tool - Figma:** Figma is a cloud-based design tool used for creating user interfaces, websites, and other digital designs collaboratively. It allows real-time collaboration, prototyping, and sharing of designs. Figma's intuitive interface, robust features, and collaborative capabilities make it a popular choice among designers and design teams.
- 4. Video Editing with iMovie:** iMovie is a video editing software application developed by Apple Inc. It offers a user-friendly interface and a wide range of tools for editing videos, adding effects, transitions, and audio. iMovie is suitable for beginners and intermediate users looking to create professional-looking videos for various purposes, including personal projects, social media content, and presentations.
- 5. iOS Fundamentals & Mobile Application Development:** iOS is Apple's mobile operating system powering devices such as iPhones and iPads. Understanding iOS fundamentals is essential for developing mobile applications for these devices. This involves learning programming languages like Swift, understanding the iOS SDK (Software Development Kit), UI/UX design principles specific to iOS, and adhering to Apple's App Store guidelines for app submission.

**Conclusion:** In conclusion, familiarity with various technologies, human interface guidelines, designing fundamentals, tools like Figma and iMovie, as well as iOS fundamentals, is crucial in today's digital landscape. Whether you're a designer, developer, or content creator, mastering these concepts and tools can significantly enhance your skills and productivity in the digital realm. Continuously staying updated with advancements in technology and design trends is also essential for staying competitive in the industry.

**Here is the schedule of the Faculty Development Program to be held from 1st May to 3rd May 2023.**

Swarnnim Startup & Innovation University (FDP Schedule)		
Date	Topic of the Session	Timings
1st May 2023	Introduction to Technologies	12 PM - 3 PM
	Human Interface Guidelines & Designing Fundamentals	3 PM - 5 PM
2nd May 2023	Vector Design tool- Figma	9 AM - 1 PM
	Video Editing with iMovies	2 PM - 5 PM
3rd May 2023	iOS Fundamentals & Mobile Application Development	9 AM - 3 PM



Ragin  
Ravindrab  
hai Shah

Digitally signed by Ragin Ravindrabhai Shah  
DN: c=IN, o=Personal, title=4505,  
pseudonym=02ae99bb114542e5bb44  
5d3eed1fccc,  
2.5.4.20=f2d4b74d45a02b76d99e3bae  
af3b5e9f5408942de4f9537c58eeb40  
d7951483, postalCode=380015,  
st=Gujarat,  
serialNumber=0f260a2fa77309ae82dc  
5aeb10f5cf7163c41741552ca365cb6f  
407666eb4d6d, cn=Ragin Ravindrabhai  
Shah  
Date: 2024.10.10 10:45:46 +05'30'

  
Registrar  
Swarnim Startup & Innovation University  
At : Bovan Rathod, Gandhinagar.