

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.



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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 into 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, showcasing 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.



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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

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Swarnim Institute Of Technology
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One day Workshop on Ethical Hacking and Cyber Security

Date: February 1st, 2024

Time: 10:30 AM - 12:30 PM

Venue: Apple Lab

Introduction: On February 1st, 2024, a workshop focusing on Ethical Hacking and Cyber Security was conducted in collaboration with Cyber Octet Private Limited. The workshop aimed to provide participants with comprehensive insights into the principles, techniques, and importance of ethical hacking and cybersecurity in today's digital landscape.

Agenda:

1. Introduction to Ethical Hacking
2. Understanding Cyber Security Fundamentals
3. Exploring Common Cyber Threats
4. Ethical Hacking Techniques and Best Practices
5. Practical Demonstrations and Hands-on Exercises
6. Q&A Session

Workshop Overview:

The workshop began with an introductory session, setting the stage for the exploration of ethical hacking and cybersecurity concepts. Participants were introduced to the ethical considerations and legal aspects associated with hacking practices.

Following the introduction, experts from Cyber Octet Private Limited delivered engaging presentations on the fundamentals of cybersecurity, emphasizing the need for proactive measures to protect sensitive data and infrastructure from cyber threats.

A detailed discussion on common cyber threats provided participants with insights into the evolving tactics used by malicious actors to compromise systems and

Ethical hacking techniques and best practices were elucidated through practical demonstrations and case studies. Participants had the opportunity to observe simulated cyber-attacks and learn how ethical hackers identify vulnerabilities and mitigate risks through penetration testing and vulnerability assessments.

The workshop concluded with a dynamic Q&A session, allowing participants to seek clarification on specific topics and engage in insightful discussions with the speakers and fellow attendees.

1. Understanding the ethical considerations and legal framework surrounding hacking practices.
2. Recognizing the significance of cybersecurity 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.

Conclusion: 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 safeguarding 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.

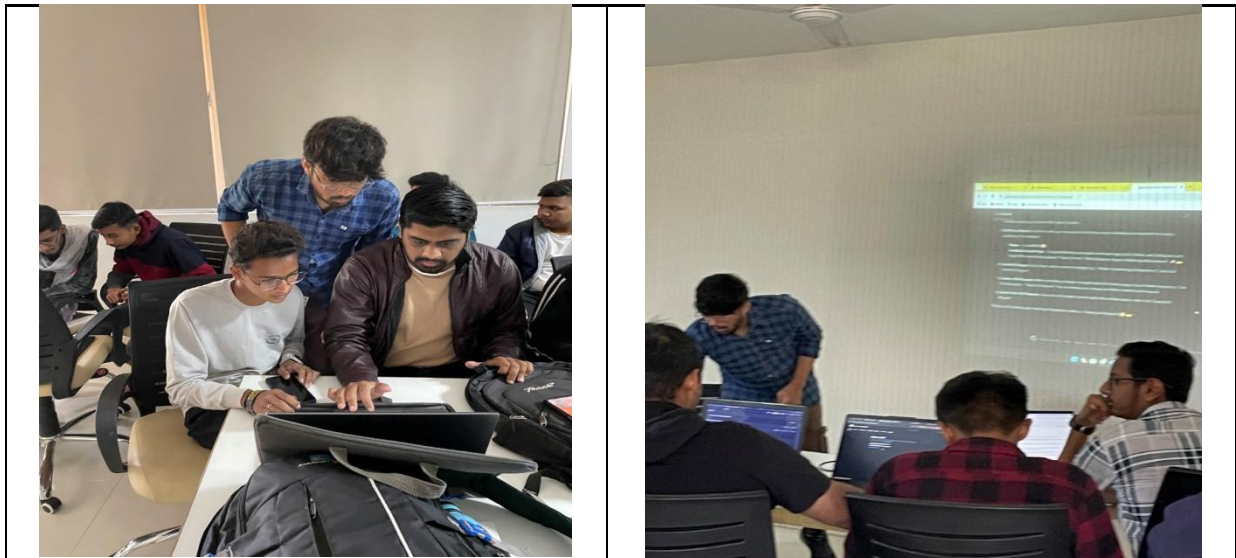


Dr. Mohit
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- **Empowerment:** Armed with newfound knowledge and skills, participants left feeling empowered to elevate their coding journey and tackle projects with confidence.
- **Community Engagement:** The event served as a catalyst for fostering a vibrant developer community, where individuals come together to learn, collaborate, and innovate.

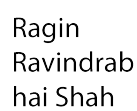
Closing Thoughts: The "Introduction to GitHub With GitHub.dev" session, spearheaded by Aryan Gajjar, proved to be a resounding success, leaving attendees inspired and equipped to embark on their coding endeavors with renewed vigor. As the world of technology continues to evolve, such educational initiatives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

Glims of event





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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 (α-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.

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.



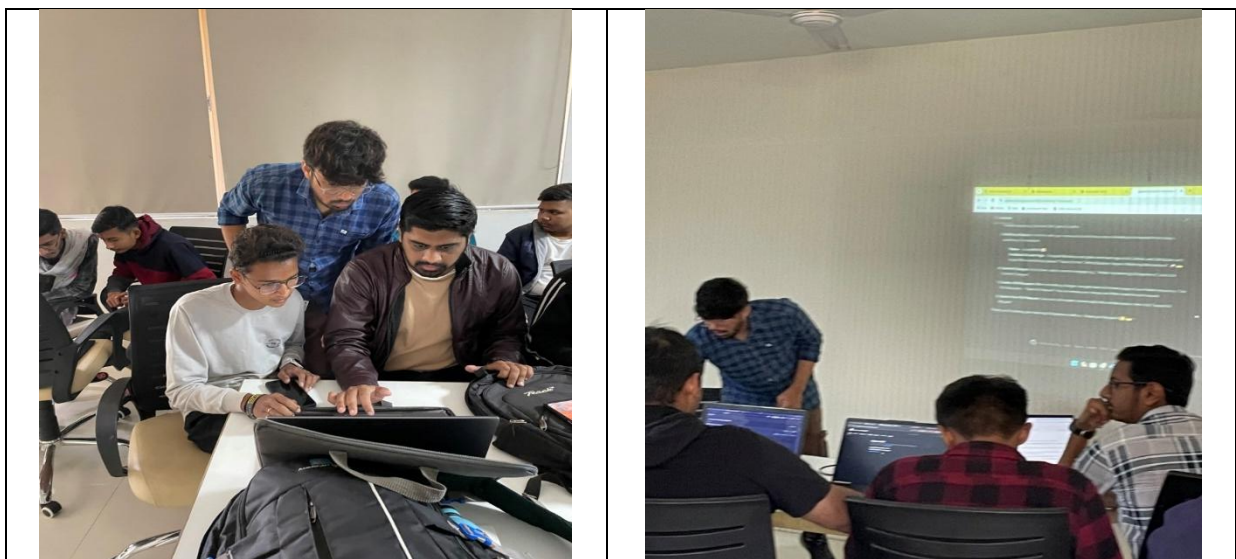
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- ### Key Takeaways:

- 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 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.

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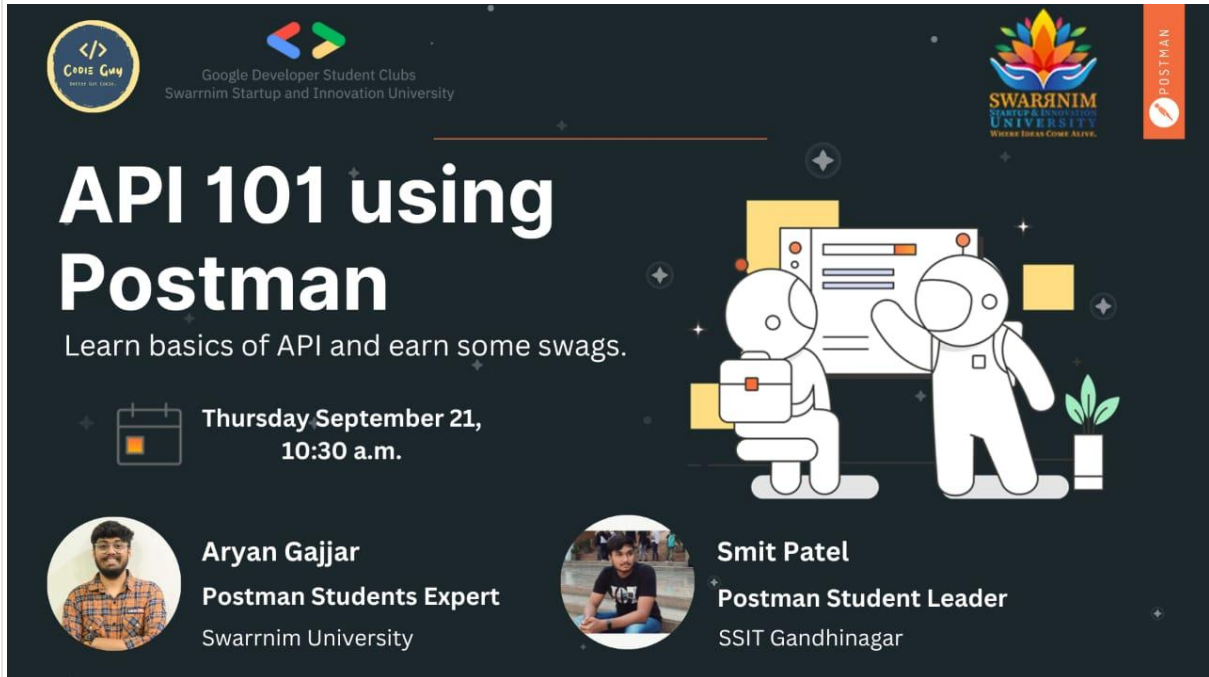




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Workshop API 101 using Postman



The poster features a dark blue background with white and yellow text. At the top left, there are logos for 'CODE GUY', 'Google Developer Student Clubs', and 'Swarnim Startup and Innovation University'. The main title 'API 101 using Postman' is in large white font, followed by the subtitle 'Learn basics of API and earn some swags.' Below this, a calendar icon indicates the date 'Thursday September 21, 10:30 a.m.' Two circular profile pictures of the speakers are shown: Aryan Gajjar and Smit Patel. To the right, there is an illustration of two astronauts in white suits, one sitting and one standing, with a small potted plant. The Swarnim logo and a 'POSTMAN' logo are in the top right corner.

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, Swarnim 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 Swarnim 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.

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 Demonstrations:

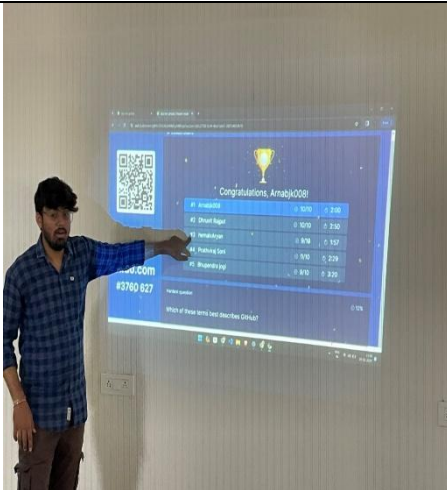
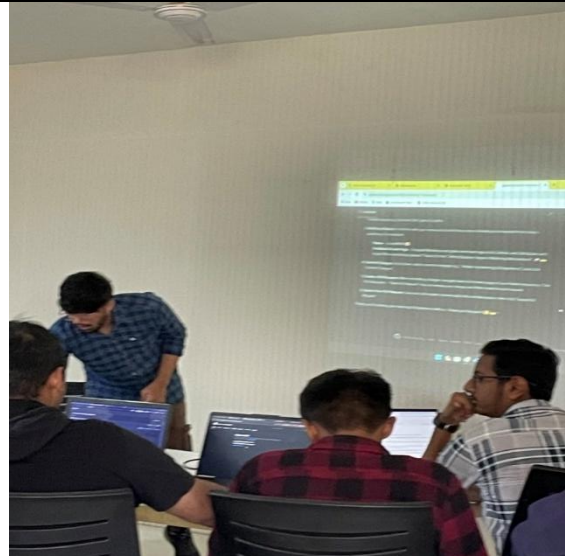
- Participants had the opportunity to observe practical demonstrations of API requests and responses using Postman.
- Arayn Gajjar walked through various scenarios, showcasing how to create requests, handle authentication, and interpret responses.

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.



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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