SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

R E P O R T of EVENT

Session on

"Problem-Solution Fit & Product-Market Fit"

On

14th March, 2024

ORGANIZED BY

IIC CELL SCET, R&D Cell AND- SCET

Dr. Mayuri Mehta
Faculty Coordinator

Dr. Nirali Nanavati
Faculty Coordinator

Dr. Utpal Pandya
President – IIC, SCET

Event Highlights

The Team

Faculty Coordinator	:	Dr. Mayuri Mehta , Dr. Nirali Nanavati
IIC Cell – SCET	:	Dr. Utpal Pandya, President, IIC-SCET
		Dr. Dhruti Sharma, Convener, IIC- SCET

Details of Event

Event Type	:	University / Institute Level Program
Event Platform	:	Sarvajanik College of Engineering & Technology (SCET)
Category	:	IIC - activity for Quarter -2 (2023-24)
Schedule	:	14th March, 2024 (2:00 pm to 4:30 pm) EC AV Room
Aspirants	:	UG students of Sarvajanik College of Engineering & Technology, SCET
Accessibility	:	Open to all (Students)
Participated Entry	:	140 Students + 8 Faculties

Objectives of the Talk: To make students well-aware about the industry techniques and technologies from various esteemed industry experts.

Date & Day: 14th March 2024 (Thursday)

Time: 2:00 PM to 4:00 PM

Venue: EC-AV Room

Attendees: 148 attendees (140 students of BE II Computer Engineering Department, and 8 faculty members)

Speakers:

Mr. Nirav Alagiya, CEO at OptimumBrew
Mr. Ritesh Kadmawala, Founder of VertexCover
Ms. Sweety Gandhi, COO at WebOsmotics
Mr. Adarsh Sojitra, Founder of ServerAvatar

Coordinator: Prof. (Dr.) Mayuri Mehta, Department of Computer Engineering
Prof. (Dr.) Nirali Nanavati, Department of Computer Engineering

Key Takeaways:

- Understanding the perspectives of the startup founders and getting their guidelines for problem – solution fit and product-market fit.
- Embracing emerging technologies can drive innovation and competitive advantage for businesses.
- Various new age technologies were discussed and the tech stacks of these leading companies was explained to the students.
- Regarding cloud computing, an important takeaway was that it offers scalability, flexibility, and cost efficiencies but requires robust security measures and efficient management.
- Regarding DevOps, agile methodologies, and automation tools, it was explained that they are essential for accelerating development cycles and delivering high-quality software.
- Further prioritizing security and privacy considerations is paramount in software development to mitigate risks and build trust with users.

Summary of the Event:

The Department of Computer Engineering organized the Developers' Summit under R&D Cell, SCET in association with SSIP Cell & IIC Cell of SCET and eChai, Surat on 14th Mar 2024. The SCET Developers' Summit 2024 to understand the Problem-Solution and Product-Market Fit brought together a diverse group of developers, engineers, and industry experts to discuss the latest trends, technologies, and challenges in the software development landscape. The summit featured expert speakers' presentations, networking opportunities, and knowledge sharing among participants.

The Summit started with a brief introduction of each speaker and their felicitation by the faculty members. After felicitation, the stage was set for the speakers to share their knowledge with students. The event started with Mr. Nirav Alagiya, CEO at OptimumBrew and an alumni of SCET who shared valuable insights about his work as the founder of PhotoADKing. He mentioned issues related to graphic design and art block faced by designers, and sufficing client's needs. He also showed a small demonstration of how the site works,

explaining the backend of the system, and managing the huge database using AWS cloud service and MySQL. Further, Mr. Alagiya also shared about product reliability and stability.

The next speaker we had was Mr. Ritesh Kadmawala, Founder of VertexCover and who works as an engineering consultant for leading companies. He shared details on Generative AI, how to commence on building a chatbot, using APIs of AI tools such as ChatGPT, Gemini, Mistral. He mentioned the issues while dealing with generative AI wherein language barriers can be faced. He also mentioned how this issue can be resolved using embedding. He also discussed other issues related to Generative AI based applications viz. non-determinism, hallucination, metadata, prompt engineering, etc.

Further we had Ms. Sweety Gandhi, COO at WebOsmotics, providing us with information on how scalability is beneficial in any product's development journey. She shared about various ways of scaling consisting of vertical and horizontal scaling. She also discussed handling growth, managing user experience, reliability of product upon its development, database sharding and use of microservices easing the scaling process and at last shared their company's success story. Ms. Sweety also discussed cloud computing platforms like AWS and Google Cloud, providing a comprehensive understanding of scalability in the digital realm to the students.

The last speaker of the summit was Mr. Adarsh Sojitra, founder of ServerAvatar. He discussed his company's functioning, as it provides server management facility where different users can deploy and manage their servers at a single place. He also showed a demonstration on how their website works and emphasized on how scaling was an eminent process for their company and the challenges faced on extending above 1000 users of the company.

In the end, we had an engaging questionnaire session between students and speakers, where speakers solved the student's questions with their profound knowledge and industrial expertise.

We extend our sincere gratitude to our honorable principal Dr. Hiren Patel for permitting us to organize this talk. His constant support and guidance inspire us to organize such enlightening events for our fellow students and colleagues. We are also thankful to Dr. Utpal Pandya, Dean, R&D and Dr. Dipali Kasat, HOD, Department of Computer Engineering for encouragement and prompt support always. We would also like to thank Mr. Manoj Adwani, Director, Web Osmotic Pvt. Ltd, Founder, narad.io for helping us with the ideation of the event and for extending collaboration for the event. We extend our earnest gratitude to all the speakers for accepting our invitation and sparing their valuable time to be with us for the Summit. Sincere thanks to all the student volunteers, lab assistants and lab attendants for making necessary arrangements for this session. Thanks to all staff members of the Computer Engineering department for extending their help in all the possible ways whenever required. Last but not the least, we are very thankful to all the participants for their active presence during the session.

Photos of the event:

Compiled By
Dr. Nirali Nanavati