



Bhoj Reddy Engineering College for Women

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Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in



Department of Computer Science and Engineering

File No: BRECW/CSE/AY24-25-Odd/Guest Lecture/Report/001

Date: 28/10/2024

Report of Guest Lecture

Topic: “Unlocking the Power of UI-UX Design Frameworks”

Class: II and III B Tech CSE A & B

Date: 23 October 2024


Venue: Indoor Auditorium, Ramdev Block

S No	Class	Date and Time (Hrs)	Venue	Speaker
1	II and III B Tech CSE A & B	23 October 2024 10:00 to 12:30 Hrs	Indoor Auditorium, Ramdev Block	Mr E Vikas Pavar, Managing Director- DTR Technologies Pvt. Ltd., Hyderabad.

All the students must attend the guest lecture without fail.

Note:

- 1) The faculty who are handling II and III B Tech CSE A & B should mark the attendance as per the timetable in the forenoon session. The afternoon session classwork will be conducted as per the timetable.
- 2) All the CSE teaching and non-teaching faculty who do not have class work are requested to attend the guest lecture.


Principal

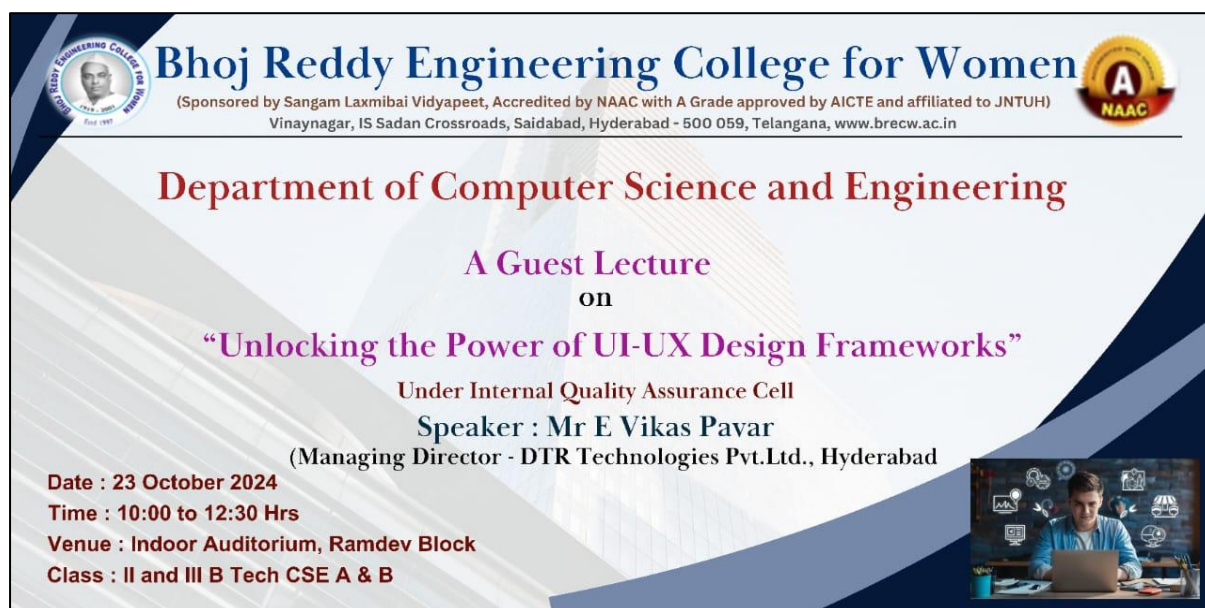
To

All HoDs and HoFs for circulation among the students and staff members.

Copy to

1. Chief Operating Officer
2. Director-HR & Academics
3. Vice Principal
4. IQAC Coordinator
5. Seminar & Workshop Coordinator
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Banner:



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Department of Computer Science and Engineering

A Guest Lecture
on
“Unlocking the Power of UI-UX Design Frameworks”

Under Internal Quality Assurance Cell
Speaker : Mr E Vikas Pavar
(Managing Director - DTR Technologies Pvt.Ltd., Hyderabad)

Date : 23 October 2024
Time : 10:00 to 12:30 Hrs
Venue : Indoor Auditorium, Ramdev Block
Class : II and III B Tech CSE A & B

Activity Report

General Information

Type of Activity	Student Development Program (Foster interaction, Interactive Q&A Session, Case Studies and Real-Life Examples)
Title of the Activity	Guest Lecture
Date/s	23 October 2024
Time	10:00 – 12:30 Hrs
Venue	Indoor Auditorium, Ramdev Block
Collaboration/Sponsor (if any)	SLV

Speaker/Guest/Presenter Details

Name of the Speaker: Mr E Vikas Pavar

Title/Position: Managing Director

Organization: DTR Technologies Pvt. Ltd., Hyderabad

Mr E Vikas Pavar is an entrepreneur and critical thinker, deeply committed to solving real- world challenges across various technology-driven industries. Over the past two years, he have devoted to two primary ventures—FrictionLearn in the EdTech space and Medivivo Healthcare. Recently, he has also embarked on an exciting new project in the ride-hailing sector. Passionate about connecting with like-minded individuals, he actively seek people who exhibit strong work ethics and a true passion for the entrepreneurial journey.

Inaugural Session:

Welcome Address: The event began with a warm welcome to all attendees. The program commenced with an introductory note, highlighting the importance of UI-UX design in today’s digital world and how it plays a crucial role in delivering seamless user experiences. This address set the tone for the enriching session ahead and prepared the students to gain valuable insights into the industry.

Address by HoD-CSE, Dr. B. Raveendranadh Singh: Dr. B. Raveendranadh Singh, Professor & Head of the CSE Department, addressed the gathering. He emphasized the role of UI-UX design in software and product development and encouraged students to utilize this opportunity to learn from industry experts. He expressed the department’s commitment to introducing students to practical, industry-aligned knowledge that complements their academic curriculum.

Keynote Address by Mr. E. Vikas Pavar: The keynote speaker, Mr. E. Vikas Pavar, an experienced UI-UX designer and industry professional, took the stage to delve into the core aspects of UI-UX design frameworks. His session covered a wide array of topics, including:

Introduction to UI and UX Design

Mr. E. Vikas Pavar began by breaking down the fundamentals of User Interface (UI) and User Experience (UX), explaining the distinct yet interconnected roles each plays in product design.

UI (User Interface): He described UI as the visual layout through which users interact with a product. This includes buttons, icons, color schemes, typography, and the general aesthetic appeal. UI design, he explained, is about creating visually engaging and intuitive layouts that align with the product's brand identity, providing an attractive and seamless interaction platform for users.

UX (User Experience): UX, on the other hand, focuses on the broader journey and the ease with which users accomplish their goals using the product. It is more concerned with functionality, usability, and the emotional response of users. Mr. E. Vikas Pavar highlighted that UX design is centered around research and testing, aiming to create a user-friendly experience that feels effortless and meaningful. To illustrate how these two elements contribute to an end-user's experience, Mr. E. Vikas Pavar gave real-life examples of successful products where UI-UX has a direct impact on user satisfaction, engagement, and retention. For instance, he compared the design strategies of popular applications, showing how they streamline tasks for users while maintaining aesthetic appeal, balancing form and function.

Importance of Design Frameworks

Mr. E. Vikas Pavar then explained the role and importance of design frameworks, which serve as structured approaches that standardize and streamline the design process. These frameworks provide guidelines that help designers achieve consistency and coherence in their projects. He discussed several benefits of using design frameworks:

Efficiency: Frameworks save time by providing reusable components, allowing designers to focus on customization rather than building elements from scratch.

Consistency Across Platforms: Using frameworks helps maintain a consistent look and feel across different screens and devices, enhancing the user experience by eliminating inconsistencies that might confuse users.

Collaborative Benefits: Frameworks make it easier for teams to work together, as they establish shared guidelines that everyone follows. This is particularly useful for larger design teams or projects involving multiple designers and developers.

Mr. E. Vikas Pavar also explained how design frameworks can help in achieving brand uniformity, ensuring that all product interfaces remain true to the brand's identity and voice.

Key Frameworks and Tools

One of the most practical segments of the lecture was Mr. Pavar's introduction to popular design tools and frameworks, which he demonstrated as essential resources for modern UI-UX designers:

Adobe XD: A powerful tool for UI-UX design, Adobe XD enables designers to create and share prototypes. Mr. E. Vikas Pavar demonstrated its capabilities for responsive design, interactive prototyping, and user testing, emphasizing how it simplifies feedback loops.

Figma: He highlighted Figma's collaborative features, which make it ideal for team projects. Since it's a cloud-based tool, multiple designers can work on a project simultaneously, enabling real-time edits and updates. This feature, he pointed out, is especially valuable for remote teams or projects that require constant iteration.

Sketch: Known for its extensive library of plugins and integrations, Sketch is a widely adopted tool in the design community. Mr. E. Vikas Pavar showcased how Sketch can be used for high-fidelity mockups and vector graphics, stressing its flexibility in handling complex design requirements.

These tools, he explained, help designers rapidly prototype, test, and iterate, which is crucial in today's fast-paced digital environment where continuous improvement and responsiveness to user feedback are essential.

Best Practices and Industry Standards

In a highly practical segment, Mr. E. Vikas Pavar shared several best practices that have become industry standards, emphasizing the importance of creating accessible, user-friendly, and aesthetically pleasing designs:

Accessibility: He stressed that designs should be accessible to all users, including those with disabilities. This includes considering color contrast for readability, creating keyboard navigable interfaces, and providing alternative text for images. Accessibility, he explained, is not only ethical but also broadens a product's user base.

Usability Testing: Mr. E. Vikas Pavar recommended conducting usability testing at each stage of development, which helps in identifying pain points and gathering real-time feedback. This iterative approach ensures that the final product is intuitive and meets user expectations.

User-Centered Design: Emphasizing a user-first approach, he suggested that designers should constantly think from the perspective of the end-user. This involves extensive research, user personas, and empathy mapping to align design choices with user needs.

Consistency: Consistency in design, he noted, helps build user familiarity and reduces cognitive load, making interfaces easier to navigate. This includes consistent placement of navigation elements, icons, and font styles throughout the application.

Future Trends in UI-UX Design

Finally, Mr. E. Vikas Pavar discussed future trends in UI-UX that are shaping the industry and preparing designers to stay ahead in this dynamic field:

AI-Driven Design: Mr. E. Vikas Pavar touched on the emerging influence of artificial intelligence in UI-UX, particularly in areas such as automated design adjustments, personalization, and predictive analytics. AI tools can assist designers by suggesting layout changes or optimizing designs based on user behavior patterns.

Inclusive Design: He emphasized the importance of inclusive design practices, which strive to create products that can be used by as many people as possible. Inclusive design, he mentioned, goes beyond accessibility by accommodating diverse user backgrounds, cultures, and needs.

Voice and Gesture Interfaces: With the rise of voice assistants and gesture-based navigation, he suggested that designers should consider incorporating non-traditional interactions. This trend is particularly relevant for designing interfaces that allow hands-free operation, thus enhancing the usability of applications for a broader user base.

Micro-Interactions and Animation: He noted the increasing role of subtle animations and micro-interactions that improve user experience by providing visual feedback, guiding users, and enhancing engagement without overwhelming them.


Mr. E. Vikas Pavar concluded by encouraging students to keep exploring these evolving trends, as they hold significant potential for reshaping the landscape of digital design. He urged them to adopt a growth mindset and be open to continuous learning in order to stay relevant in the rapidly changing field of UI-UX design.

Vote of Thanks: The session concluded with a Vote of Thanks, extending gratitude to Mr. E. Vikas Pavar for his enlightening talk and to all dignitaries, faculty members, and students who attended. The event organizers expressed appreciation for the support from the management, faculty, and the contributions of all team members involved in the event's success.


Conclusion

The Guest Lecture on “Unlocking the Power of UI-UX Design Frameworks” was a resounding success, offering students an invaluable learning experience that will undoubtedly enhance their skills in user interface and user experience design. This event marked a significant step towards equipping students with the knowledge and tools necessary to create user-centered digital solutions. The Department of CSE looks forward to organizing similar events that bridge the gap between academic knowledge and industry expectations, helping students stay at the forefront of technological advancements.

Feedback Analysis Form



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Department of Computer Science and Engineering


Guest Lecture Feedback Form Analysis

Topic: “Unlocking the Power of UI-UX Design Frameworks” Date: 23 October 2024
 Conducted in collaboration with Computer Society of India, Hyderabad.
 Feedback collected from 184 number of students.

S.No	Unlocking the Power of UI-UX Design Frameworks	Excellent (4)	Good (3)	Average (2)	Not Satisfied (1)
		No. of students given	No. of students given	No. of students given	No. of students given
1	Learned something previously unknown	38	53	63	30
2	This Guest lecture was worth my time	31	64	56	33
3	This Guest lecture helped me to improve my technical and practical skills	38	58	55	33
4	This Guest lecture will be helpful for developing my Mini / Major projects	37	60	53	34
5	Suggestions for improvement of the Guest Lectures in future received are:	Use more real time examples and share resources			

Overall Analysis of the feedback is: *It was good*


 Dr P Deepthi
 Seminars and Workshops In-charge


 Dr B Raveendranadh Singh
 HoD-CSE

Dr P Deepthi
 Seminars &
 Workshops In-charge

Dr B Raveendranadh Singh
 HoD-CSE

Geo-Tag Photos:

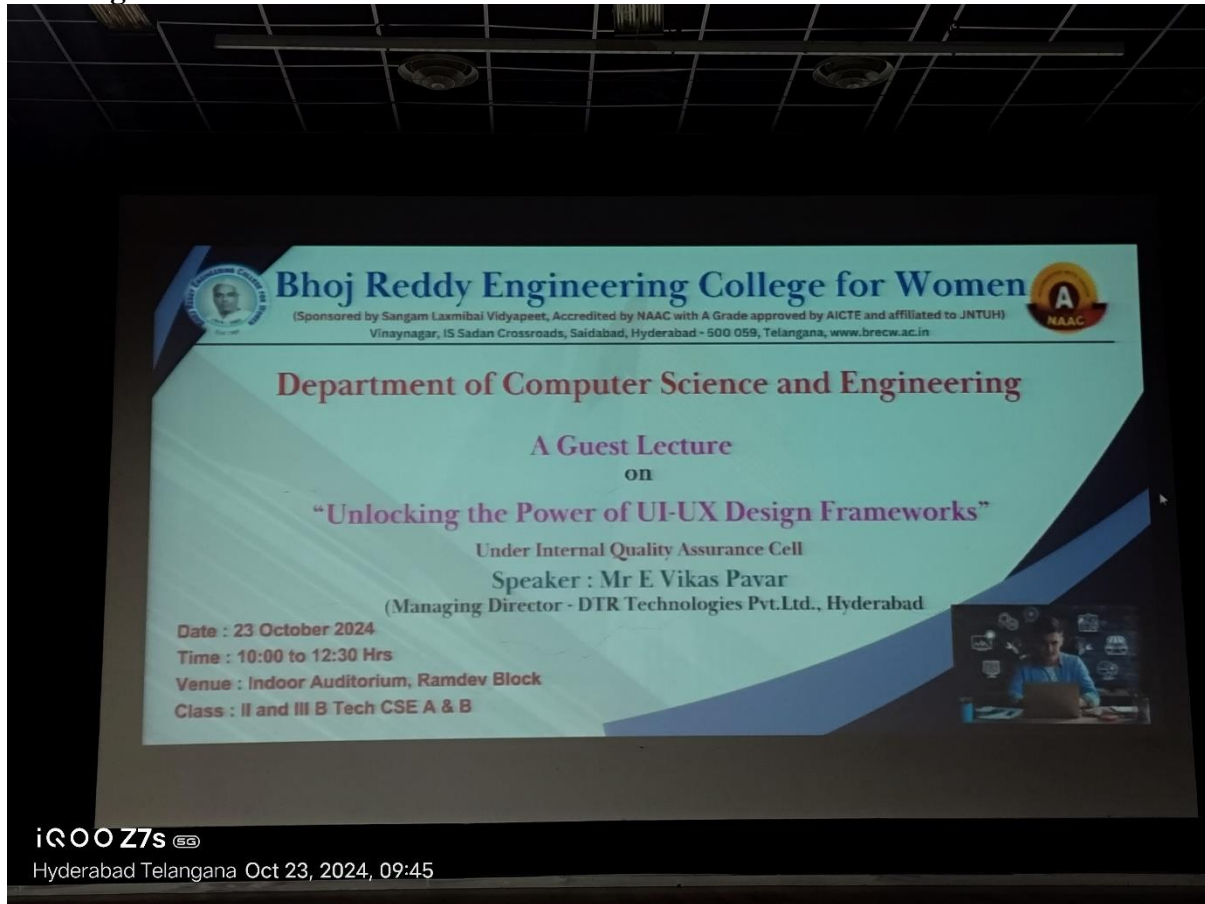


Figure 1: Banner of the Guest Lecture

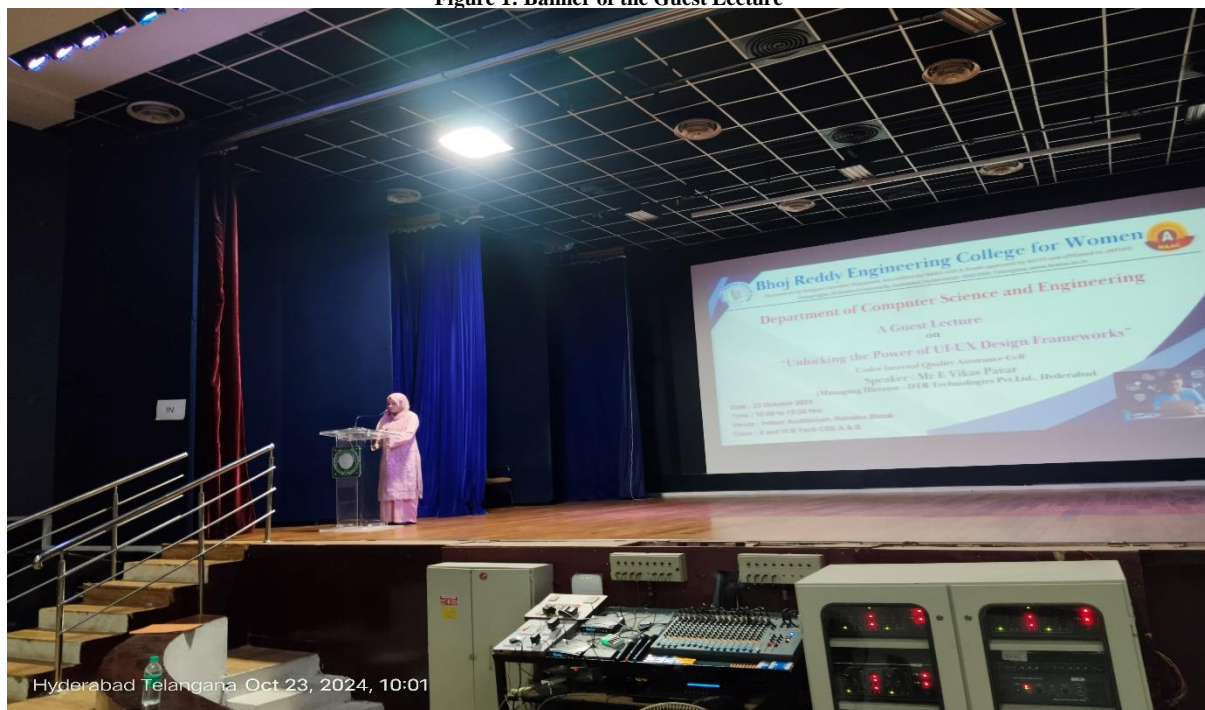


Figure 2: During Inauguration Session, Ms Nuha Qadeer Student of III CSE giving the Welcome Address



Figure 3: Dr B Raveendranadh Singh, Head of the Department of CSE, highlighted the significance of “Unlocking the Power of UI-UX Design Frameworks”

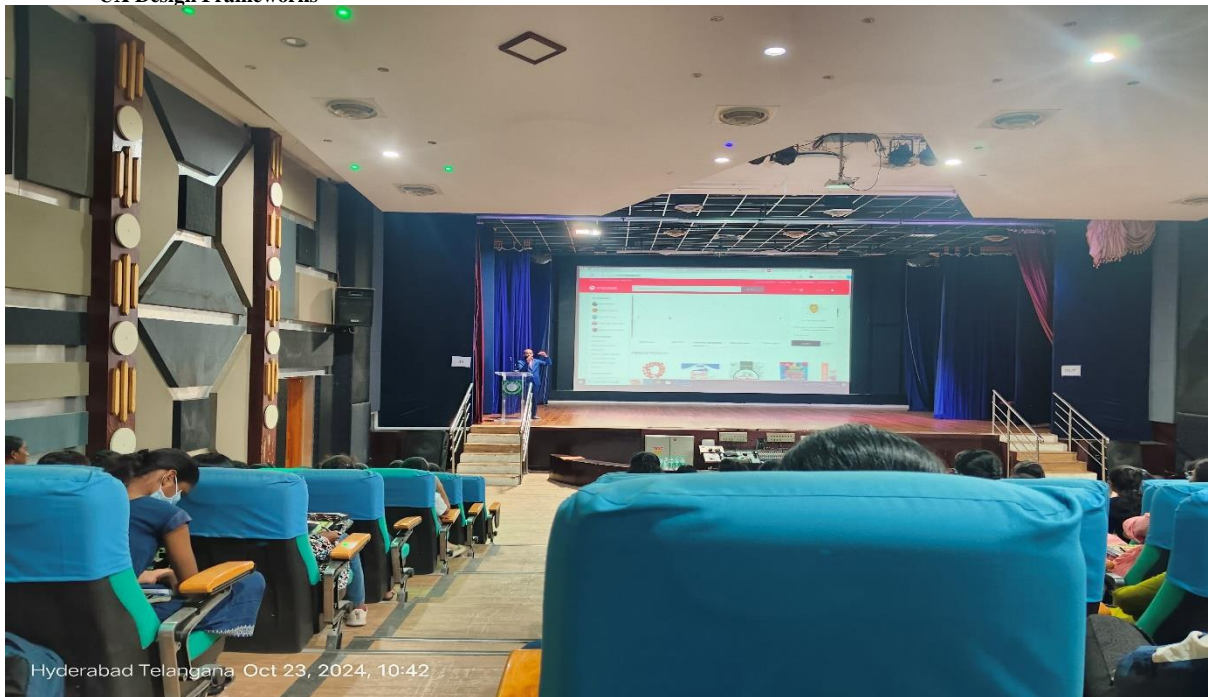


Figure 4: The chief guest Mr E Vikas Pavar delivering the basics of Unlocking the Power of UI-UX Design Frameworks and its underlying principles



Figure 5: II & III CSE students and staff involved in the guest lecture



Figure 6: II & III CSE students and staff involved in the guest lecture



Figure 7: II & III CSE students in the guest lecture



Figure 8: II & III CSE students in the guest lecture



Figure 9: II & III CSE students in the guest lecture



Figure 10: II & III CSE students in the guest lecture

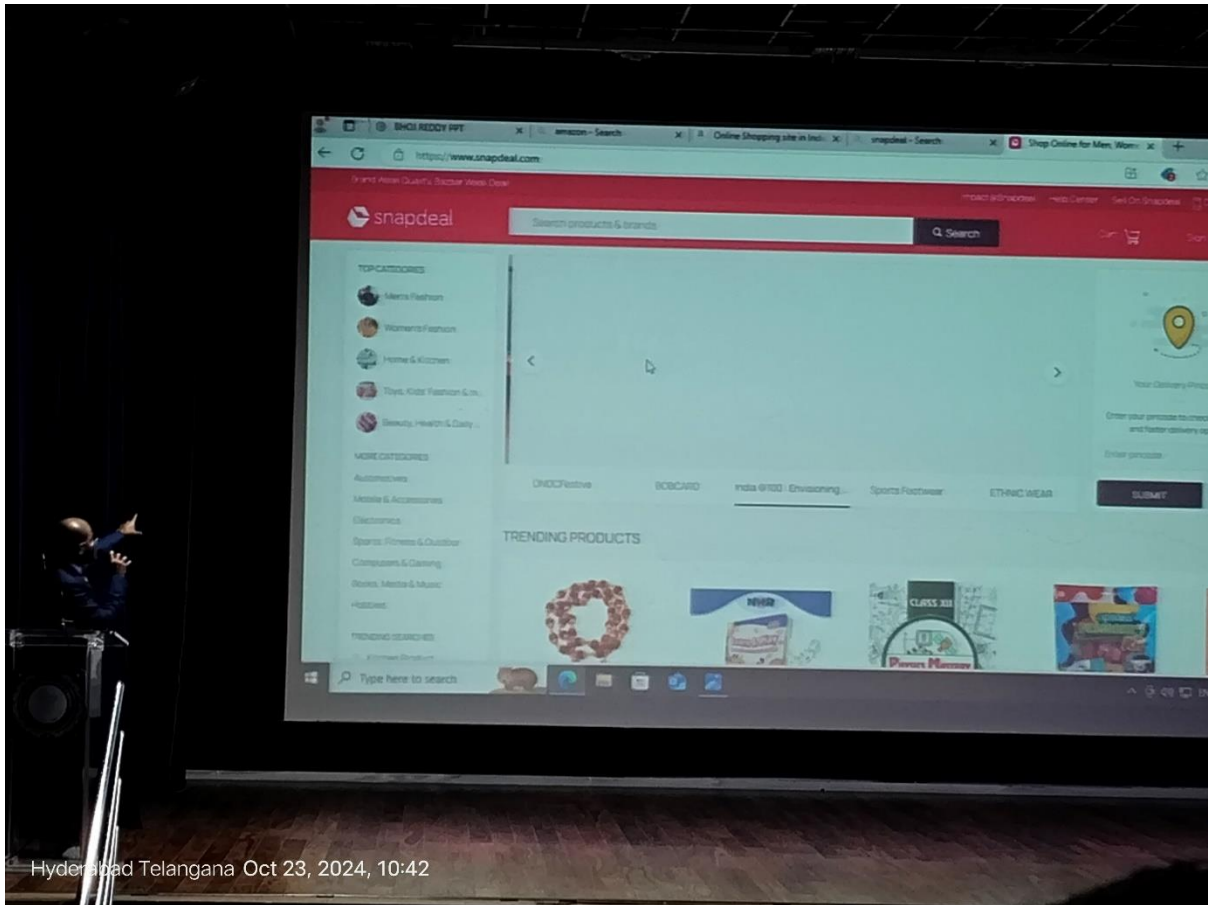


Figure 11: Mr E Vikas Pavar is showing the importance of UI & UX



Figure 12: Students asking doubts



Hyderabad Telangana Oct 23, 2024, 10:53

Figure 13: Mr E Vikas Pavar had given a task to students



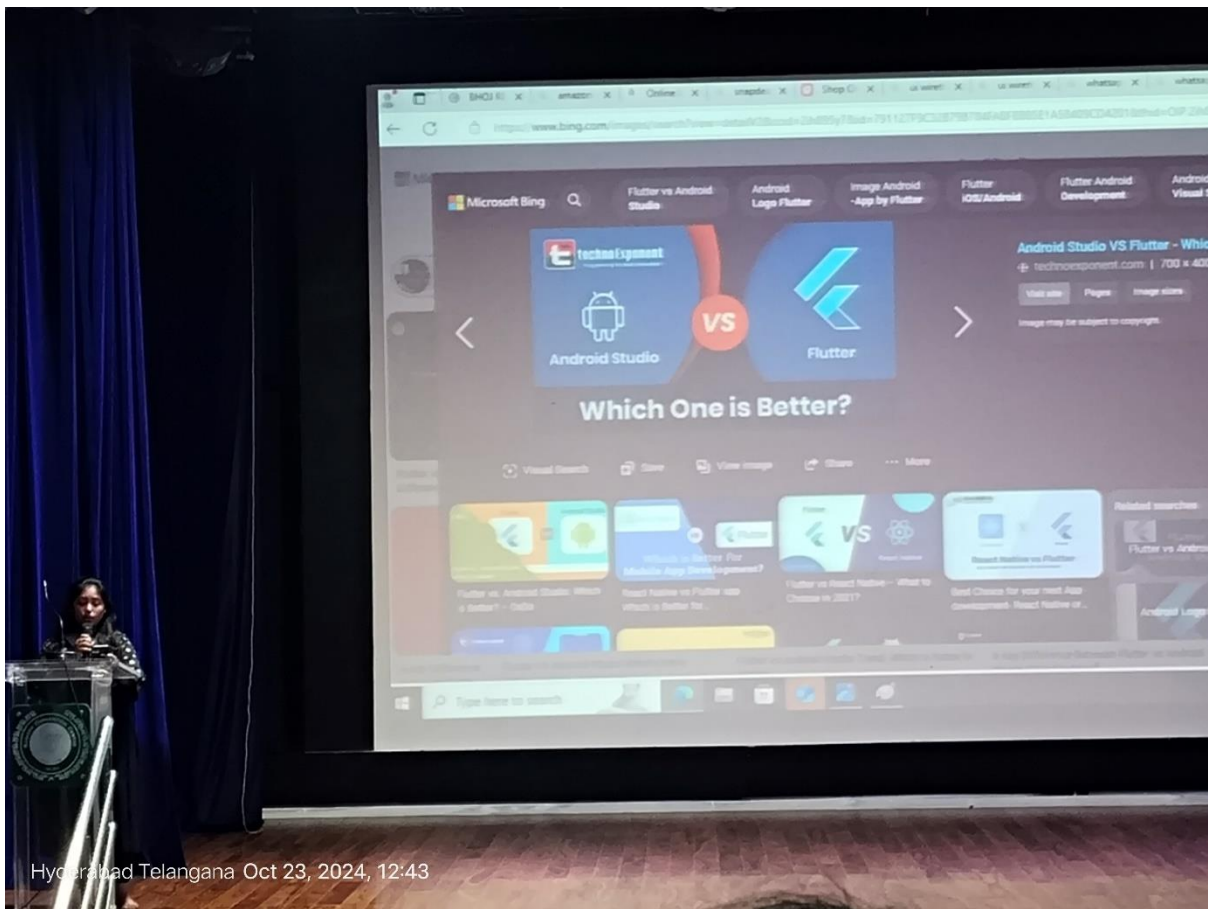
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Figure 14: Students involved in doing the task



Hyderabad Telangana Oct 23, 2024, 12:33

Figure 15: Mr E Vikas Pavar clarifying doubts



Hyderabad Telangana Oct 23, 2024, 12:43

Figure 16: Vote of Thanks presented by Ms Ramya Sree of III CSE



Hyderabad Telangana Oct 23, 2024, 12:51

Figure 17: II & III CSE Students with the Chief Guest, HoD-CSE and CSE Staff