



**ADITYA COLLEGE OF ENGINEERING**  
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)  
Madanapalle -517325, Annamayya Dist., A.P. [www.acem.ac.in](http://www.acem.ac.in)



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

30.08.2025  
Madanapalle

To

**The Principal,**  
Aditya College of Engineering,  
Madanapalle.

Respected Sir,

**Sub: - Request for Permission to Conduct a Webinar on 02.09.2025 – reg.**

It is to inform you that the Department of Electronics and Communication Engineering is planning to conduct a Webinar Awareness program on “*Career opportunities in VLSI and Semiconductor Industry*” on **02.09.2025**, by Mr Shoaib Ahmed, Founder & CEO, SAFTECH Academy, Bangalore.

I request you to kindly accept my request and do the needful.

Thanking you,

Yours sincerely,

(Dr. K. V. Vara Prasad)

Department of ECE





# ADITYA COLLEGE OF ENGINEERING



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



**CAREER OPPORTUNITIES  
IN VLSI AND  
SEMICONDUCTOR  
INDUSTRY**

## WEBINAR

*Building Career Through  
Creativity*



DATE  
**01 September**



2025  
TIME  
**12.00 PM**

**LET'S GOOGLE MEET**

+91-8123422262

www.saftechacademy.in



**SHOAIB AHMED**  
FOUNDER & CEO



<https://www.linkedin.com/company/saftech-academy/>





# ADITYA COLLEGE OF ENGINEERING

## UGC-AUTONOMOUS INSTITUTION

Punganur Road, Valasapalle (Post), Madanapalle-517325



### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on Webinar: "Career Opportunities in VLSI and Semiconductor Industry"

#### Webinar Details

Title: Career Opportunities in VLSI and Semiconductor Industry

Speaker: Shoiab Ahamed, Founder & CEO, Saftechacademy

Date & Time: Monday, 01.09.2025, 12:00 PM

Venue: ACEM Auditorium

Audience: III & IV B.Tech ECE Engineering Students

Organized by: Department of Electronics and Communication Engineering, ACEM

#### **1. Introduction**

On 1st September 2025, the Department of Electronics and Communication Engineering (ECE) at ACEM organized a webinar on the "Career Opportunities in VLSI and Semiconductor Industry," aimed at providing insights into the career prospects in the rapidly growing VLSI (Very-Large-Scale Integration) and Semiconductor sectors. The session was delivered by Mr. Shoiab Ahamed, the Founder & CEO of Saftechacademy, a platform dedicated to bridging the skill gap for students aspiring to work in the semiconductor and VLSI industries.

The webinar, held in the ACEM Auditorium at 12:00 PM, specifically catered to the third and fourth-year B.Tech ECE students. It provided a comprehensive overview of the emerging career avenues, the skill sets required, and the opportunities available within this field.

#### **2. Key Highlights of the Webinar**

##### *A. Speaker Profile:*

Mr. Shoiab Ahamed, a leading industry expert with years of experience in the VLSI and Semiconductor domains, is the founder of Saftechacademy, an institution focused on training students and professionals in the areas of VLSI design, verification, and semiconductor technologies. His expertise and vision for the semiconductor industry have made him a renowned figure in the educational sector.

##### *B. Webinar Overview:*

Introduction to VLSI and Semiconductor Industry:

The session began with a brief introduction to the VLSI (Very-Large-Scale Integration) and semiconductor industries. Mr. Ahamed explained how the semiconductor industry is the



backbone of modern electronics, powering everything from smartphones and computers to automobiles and medical devices.

### **Career Opportunities:**

A significant portion of the session was dedicated to exploring various career opportunities in VLSI and semiconductor engineering. Mr. Ahamed highlighted how demand for skilled engineers in VLSI design, ASIC (Application-Specific Integrated Circuit) design, and semiconductor manufacturing continues to rise, with global companies offering high-paying jobs and vast career growth prospects.

### **Emerging Trends:**

The speaker discussed several emerging trends in the semiconductor industry, such as 5G technology, Internet of Things (IoT), AI (Artificial Intelligence), and Quantum Computing, which are driving innovation and opening up new avenues for engineering professionals.

### **Skills and Training:**

Mr. Ahamed provided guidance on the technical skills required to succeed in this field. Key skills highlighted included:

Digital Design and Simulation (using tools like Verilog, VHDL, and MATLAB)

Circuit Design and Layout

FPGA (Field-Programmable Gate Array) Programming

CAD Tools for VLSI Design

Knowledge of Semiconductor Physics

The speaker also emphasized the importance of practical experience and hands-on training, advising students to explore internships, workshops, and certifications from industry-recognized platforms to enhance their employability.

### **Company Insights:**

The webinar featured insights into prominent companies in the VLSI and semiconductor space, including global leaders like Intel, Qualcomm, NVIDIA, Texas Instruments, and Micron. Mr. Ahamed mentioned how these companies are constantly innovating and investing in next-generation technologies, creating vast opportunities for new talent in the industry.

### **Tips for Students:**

Mr. Ahamed shared valuable advice for students aspiring to enter this field, including:

Stay updated on the latest technological advancements.

Participate in open-source VLSI projects and hackathons to gain practical exposure.

Pursue higher education or certifications to deepen domain expertise.



Network with professionals in the industry to increase visibility and career opportunities.

### C. Interactive Session:

The latter part of the webinar was an interactive Q&A session where students actively participated. Questions ranged from inquiries about the work-life balance in the semiconductor industry to job prospects for fresh graduates and the impact of AI on VLSI design.

Mr. Ahamed answered each question with insightful and detailed responses, providing clarity on various aspects of career growth in the field. His suggestions for internships, projects, and academic pursuits were particularly well-received.

### 3. Conclusion

The webinar successfully provided an in-depth understanding of the career landscape in the VLSI and Semiconductor industries. Mr. Shoiab Ahamed's expert insights into industry trends, job roles, and the essential skills required for a successful career in these fields were highly appreciated by the audience.

The session served as an excellent opportunity for students of the Department of Electronics and Communication Engineering to gain valuable knowledge about a rapidly growing and rewarding sector, preparing them for future job opportunities. The department looks forward to hosting more such sessions to further empower its students with relevant industry knowledge and skills.

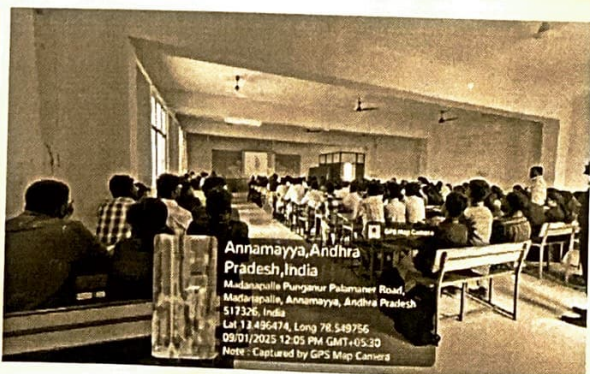
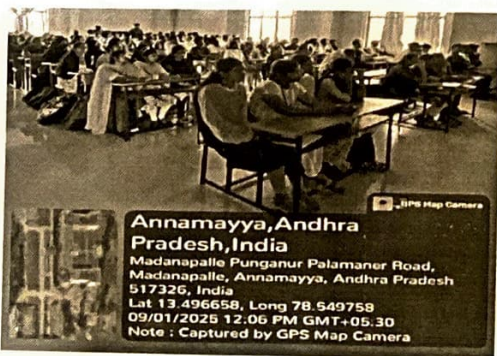
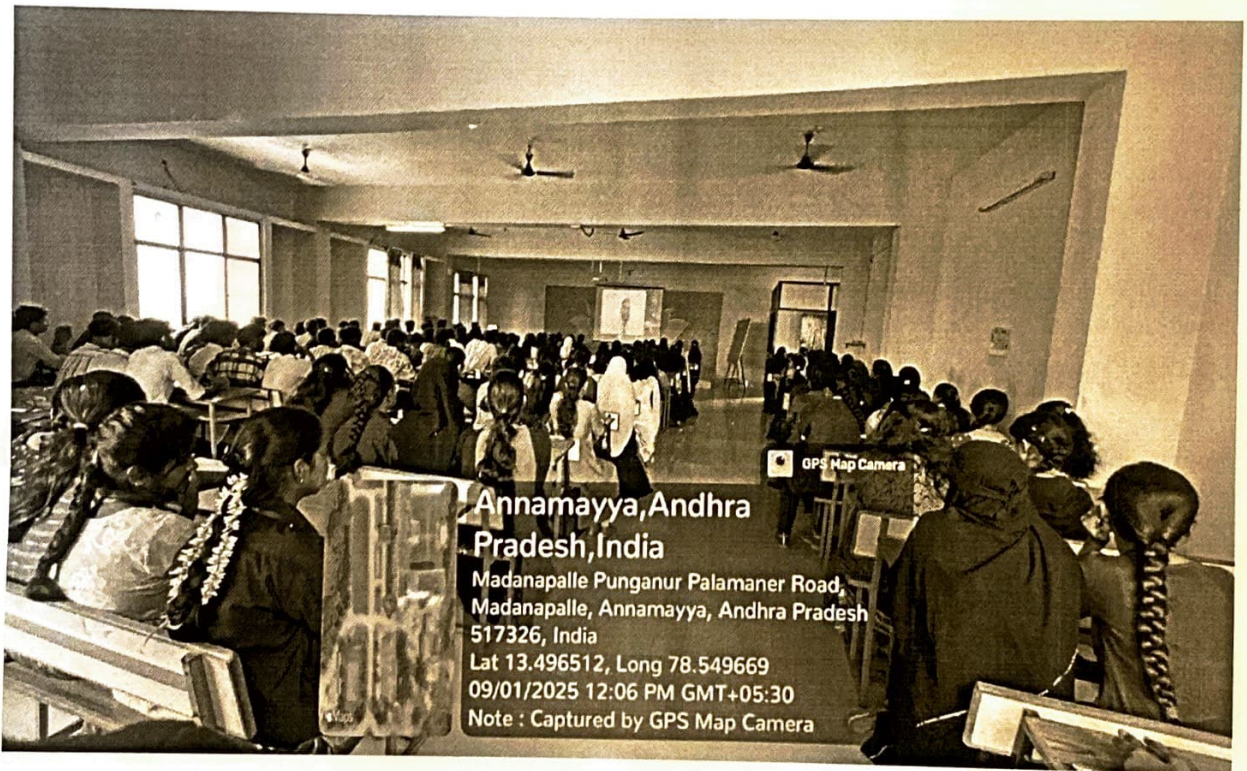
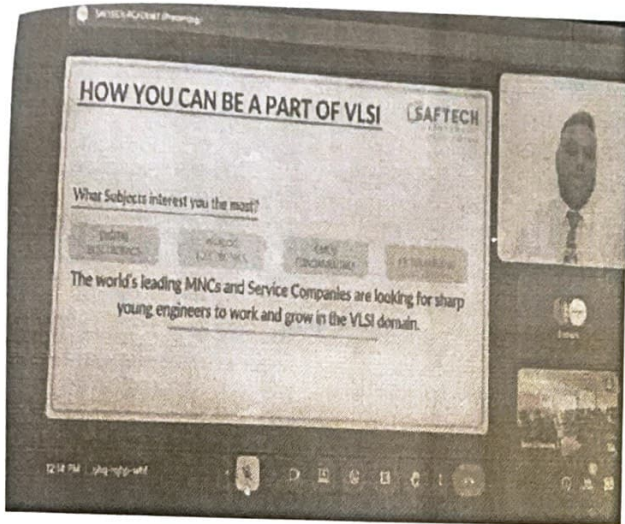
### 4. Feedback and Recommendations

Students expressed positive feedback about the session, appreciating the depth of information and the practical tips provided by the speaker. Many students showed a renewed interest in pursuing careers in VLSI design and semiconductor technology following the webinar.

The Department of ECE may consider organizing more such specialized webinars and workshops in the future to enhance students' knowledge and employability in this highly dynamic sector.

### 5. Photographs of the webinar

The poster is for a webinar titled "CAREER OPPORTUNITIES IN VLSI AND SEMICONDUCTOR INDUSTRY WEBINAR" organized by Saftech Academy. It is hosted by the Department of Electronics & Communication Engineering at Aditya College of Engineering. The speaker is Shoiab Ahmed, Founder & CEO of Saftech Academy. The webinar is scheduled for 01 September 2023 at 12:00 PM. The poster includes contact information for Saftech Academy (+91-8123422262, www.saftechacademy.in) and a list of accreditation logos including AICTE, UGC, ISO 9001:2015, and others. A large circular stamp of Aditya College of Engineering, Madanapalle 80 is overlaid on the bottom of the poster.



  
 Coordinator



  
 HOD  
 Head of the Department  
 Electronics & Communication Engineering  
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