



**Engineering Success: Pathways to
Innovation and Achievement
2024**

Date : 22nd September 2024

About the Speakers:

- **Asmer Hamid Ali:** He is a **Ph.D. student at Johns Hopkins University, USA**, working in the Efficient, Secure, and Intelligent Computing (**ESIC**) **Lab**. His research focuses on IMC, Machine Learning, Memory Design, Digital System Design, Neuromorphic Computing, and FPGA applications. He earned his **Bachelor's in Technology** in Electronics Engineering from **Aligarh Muslim University**, where he developed proficiency in various programming languages and tools, further strengthening his expertise in the field.
- **Mahena Mahmood:** She is pursuing her **MS in Electrical Engineering** with a focus on **Power Systems at Arizona State University, USA**. She holds a **Bachelor's in Technology** in Electrical Engineering from **Aligarh Muslim University** and interned at the Center for Advanced Research in Electrified Transportation. With a strong academic background, she achieved a **GRE score** of 308/340 and a **TOEFL iBT score** of 101/120, reflecting her dedication and expertise in the field.
- **Abbas Syed Nooruddin:** He is pursuing his **MS in Electrical Engineering at Arizona State University, USA**, specializing in **Electronic and Mixed-Signal Circuit Design**. He earned his **Bachelor's in Technology** in Electrical Engineering from **Aligarh Muslim University** and interned at Oil and Natural Gas Corporation Ltd. Currently, he serves as a **Teaching Assistant** in the Department of Physics at Arizona State University, showcasing his expertise in both academics and practical experience.

Abbas Syed Nooruddin (Presenting)

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34 others

Faizah Zaidi

Making the Final Decision

- Weighing Multiple Offers and Factors: Considering factors such as program reputation, funding opportunities, location, and fit with long-term career goals.
- Seeking Advice from Mentors, Faculty, and Current Students: Consulting with mentors, faculty members, and current students to gain insights into program culture and opportunities.
- Considering Long-Term Career Goals and Opportunities: Evaluating how each program aligns with long-term career aspirations and growth opportunities.
- Accepting an Offer and Preparing for Grad School Transition: Making the final decision, accepting offers, and preparing for the transition to graduate school.

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Sadia Aiman

30 others

Faizah Zaidi

Mohammad Haris

mohammad nasir

Syeda Fatima Jafri

Crafting a Standout Application

- Tailoring Application Materials: Customizing application materials to each program's requirements and showcasing relevant experiences.
- Highlighting Relevant Academic and Research Experiences: Emphasizing academic achievements, research projects, and publications.
- Showcasing Leadership, Volunteer Work, and Extracurricular Activities: Demonstrating leadership skills, community involvement, and extracurricular achievements.
- Proofreading and Polishing Application Essays: Editing essays for clarity, coherence, and grammatical accuracy to make a strong impression.

Introduction:

On **September 22nd, 2024**, we celebrated **National Engineers' Day** with an impactful online webinar titled "**Engineering Success: Pathways to Innovation and Achievement.**" The event was organized by **Dr. Safia Akhter Kazmi** (Faculty Advisor) and **Mr. Mohammad Zaid** (Branch Counselor), alongside the founding members and students of Aligarh Muslim University in presence.

Event Start: Opening Address:

The webinar began with an engaging introduction by **Syeda Fatima Jafri**, who provided an overview of the speakers: **Asmer Hamid Ali**, a Ph.D. student, and MS students **Mahena Mahmood** and **Abbas Syed Nooruddin**. She also highlighted the significance of National Engineers' Day. Abbas discussed the "**Roadmap to Grad School**," covering application processes and funding, while Asmer offered guidance on initiating research papers. Mahena emphasized the importance of mental health and provided advice on choosing fields within Electrical Engineering, ensuring a well-rounded approach to graduate school success.

Keynote Address Begins

The webinar showcased three distinguished speakers, each offering valuable insights. **Abbas Syed Nooruddin** opened with a comprehensive presentation titled "**Roadmap to Grad School: A Guide to U.S. Graduate School Applications.**" He expertly navigated the complexities of the application process, discussing funding opportunities and strategic decision-making while dispelling prevalent myths surrounding graduate admissions.

Asmer Hamid Ali followed, sharing his expertise on Ph.D. research. He provided actionable guidance on **effectively initiating research projects and crafting impactful research papers**, emphasizing the importance of a robust academic foundation.

Concluding the session, **Mahena Mahmood** focused on **practical strategies** within the electrical engineering domain. She addressed key aspects of innovation and design, offering insights on how to approach projects and **research with a creative mindset**. Together, these presentations aimed to equip participants with the knowledge and tools necessary for success in their academic pursuits.

Closing :

The webinar concluded with an engaging **question-and-answer session**, allowing participants to interact with the speakers and explore pathways and guidance for U.S. graduate school applications. This discussion fostered a dynamic exchange of ideas, enhancing the learning experience for all attendees. **Fatima Wajih** wrapped up the event with a heartfelt **vote of thanks**, expressing gratitude to all speakers, organizers, and participants for their valuable contributions and active involvement in the session.

