Invitation Proposal for Eminent Speaker Program (ESP)

ACM SIGBED – Kalasalingam Academy of Research and Education (KARE)

1. Introduction to ACM SIGBED – KARE

ACM SIGBED (Special Interest Group on Embedded Systems) at Kalasalingam Academy of Research and Education (KARE) is an active student chapter that focuses on embedded systems, system-level computing, real-time applications, and the practical integration of software and hardware in real-world environments.

The chapter aims to expose students to contemporary industry practices, emerging technologies, and system-level challenges through expert talks, technical sessions, workshops, and industry interactions. By connecting academic learning with real-world applications, ACM SIGBED – KARE strives to prepare students for careers in systems engineering, embedded technologies, and research-oriented domains.

One of the key initiatives of the chapter is the **Eminent Speaker Program (ESP)**, which provides students with an opportunity to interact with experienced professionals and researchers from leading organizations.

2. About the Resource Person

Name: Vijay Srinivas Agneeswaran

Designation: Senior Director / AI Research Lead

Organization: Microsoft

Location: Bangalore

Mr. Vijay Srinivas Agneeswaran brings extensive experience in Artificial Intelligence research and leadership in large-scale industry environments. His professional expertise in AI systems and research-driven development aligns strongly with the learning goals of ACM SIGBED students.

3. Why We Are Inviting You

ACM SIGBED – KARE proposes to invite Mr. Vijay Srinivas Agneeswaran as a resource person for the Eminent Speaker Program to provide students with insights into how Artificial Intelligence research is translated into scalable, real-world systems.

Given his experience at Microsoft, we believe his perspective would help students understand:

- How AI research evolves into industry-grade systems
- The role of system-level thinking in deploying AI solutions
- Practical challenges faced while implementing AI at scale

This session would serve as a valuable bridge between academic foundations and industry expectations, particularly for students interested in embedded systems, systems engineering, and applied AI.

4. Insights We Expect from the Session

Through this session, students are expected to gain insights into:

- Real-world deployment of AI systems and associated challenges
- System constraints such as scalability, reliability, performance, and efficiency
- How research contributes to innovation in industry environments
- Skills, mindset, and preparation required for careers in AI, systems, and research roles

These insights will help students develop a broader understanding of how theoretical concepts are applied in practical, large-scale systems.

5. Proposed Topic for the Session

Suggested Main Topic:

"AI Systems at Scale: From Research to Real-World Deployment"

Indicative Sub-Themes:

- Challenges in deploying AI in real-world systems
- Bridging academic learning with industry expectations
- Career pathways in AI, systems, and research

(The final topic can be finalized based on the resource person's preference and comfort.)

6. Proposed Program Details

- **Program:** Eminent Speaker Program (ESP)
- **Duration:** 60–90 minutes
- **Mode:** Online / Offline / Hybrid (as per convenience)
- **Target Audience:** Undergraduate students, faculty members, and ACM SIGBED members

7. Expected Outcome of the Interaction

The proposed session aims to:

- Enhance student understanding of AI systems and real-world applications
- Encourage students to think beyond theoretical concepts
- Motivate students towards innovation, research, and industry readiness
- Strengthen academic–industry interaction for ACM SIGBED – KARE

8. Conclusion

We sincerely believe that your interaction with our students through the Eminent Speaker Program would be highly beneficial and inspiring. We look forward to the opportunity to learn from your experience and insights.

Proposed by:
ACM SIGBED – Kalasalingam Academy of Research and Education