

Empowering Future Engineers: Highlights from AGMA President's Visit to India

- By Sushmita Das

The visit of Mr. Matt Croson, the President of the American Gear Manufacturers Association (AGMA), to Coimbatore was a significant event aimed at strengthening the collaboration between academia and industry, specifically within the field of gear manufacturing and mechanical engineering. This visit brought together around 50 esteemed professors, faculty members, and academic leaders training the next generation of power transmission engineers in India, representing around 20 prominent engineering colleges in Coimbatore and the surrounding region.

The primary focus of the event was to discuss how AGMA's educational support that can be a catalyst for bridging the gap between industry and academia while aligning with AGMA standards to enhance the quality of education in mechanical and industrial engineering fields. The event took place at Gokulam Park Hotel, 04th Nov 2024, coordinated by Gear Technology India & Neogen Gears –that provided a platform for knowledge exchange, networking, and collaborative discussions on the future of gear technology and manufacturing standards.

Mr. Ragunathan- Director of the Gear Technology India, welcomed all and gave brief notes on AGMA, as a leading global body in gear manufacturing, and how AGMA can support educational institutions. Mr Mahendran, Proprietor of NexGen Gears gave a technical presentation on "Latest software technology and influencing parameters in gear rating" to explain the difference between the current academic books with gear design standards followed in the Industry.

Mr. Croson began his address by emphasizing the vital role that industry-academia collaboration plays in the modern educational landscape. He outlined the critical need for educational institutions to align their curricula with real-world industry standards, especially in the areas of manufacturing technologies like gears, which ensures that graduates are equipped with the latest knowledge and skills needed in the manufacturing sector.

The event included an interactive session where professors and faculty members from the participating colleges were given the opportunity to ask questions and discuss the challenges they face in incorporating industry standards into their curriculum.

Several attendees expressed interest in developing specialised courses or workshops that focus on gear manufacturing technologies and the practical application of AGMA standards. There was a strong consensus among the faculty about the need for continuous professional development, with many expressing a desire for more specialised training in gear technology and manufacturing methods.

Mr Matt Croson's visit to Coimbatore was a landmark event that underscored the importance of integrating industry standards into academia to produce highly skilled and industry-ready graduates. By leveraging AGMA's educational resources and fostering closer ties between academia and industry, educational institutions can stay at the forefront of advancements in gear technology and manufacturing.

The collaborative spirit fostered during the visit is expected to lead to long-term benefits for both students and the local industry, ensuring that the next generation of engineers is equipped with the knowledge and skills needed to meet the demands of the global manufacturing sector.



Sushmita Das is an accomplished technical writer. Holding a degree in Electrical Instrumentation and Control System Engineering, she brings a wealth of technical expertise to her writing.



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