



Date: 18th September 2025

A Report of
Expert Lecture on
“Introduction to EMC and Applications for EMF Measurement and Power Quality”

Resource Person:

1. Prof. Amevi Acakpovi, SMIEEE, Vice-Chancellor, Accra Technical University (ATU), Ghana
2. Dr. Francis Bofo Effah, Head of the Electrical and Electronic Engineering Department at the Kwame Nkrumah University of Science and Technology (KNUST)

Event Date: 18th September 2025

Event Time: 10:00 AM to 12:00 PM

Event Venue: SBG Hall, 2nd-floor AB-II

No. of Participants:

Objective: The primary aim of the lecture was to familiarize students and faculty with the fundamentals of Electromagnetic Compatibility (EMC) and its significance in modern electrical and electronic systems.

Outcome: The lecture provided valuable knowledge to students and faculty about emerging issues in EMC, EMF measurement, and power quality improvement. It broadened participants' understanding of the subject and encouraged them to explore research and innovation in this vital area of electrical engineering.

On 18th September 2025, the Department of Electrical and Electronics Engineering in association with the Centre for Innovation in Learning Development (CILD) and IEEE Student Branch organized an expert lecture on “Introduction to EMC and Applications for EMF Measurement and Power Quality” at GL Bajaj Institute of Technology & Management, Greater Noida. The lecture was delivered by Prof. Amevi Acakpovi, SMIEEE and Vice-Chancellor of Accra Technical University (ATU), Ghana, who is widely recognized for his expertise and contributions in the field of electrical engineering and power systems. The event was attended by faculty members, researchers, and students from various departments, reflecting a strong multidisciplinary interest in the theme.

During the session, Prof. Acakpovi and Dr. Francis Bofo Effah explained the fundamental principles of Electromagnetic Compatibility (EMC) and its growing importance in modern electronic and electrical system design. He highlighted how electromagnetic interference can disrupt device performance and stressed the need for compliance with international EMC standards. The lecture also focused on Electromagnetic Field (EMF) measurement techniques and their applications in ensuring power quality, a critical aspect of both industrial and domestic power systems. Case studies related to smart grids, IoT-enabled devices, and renewable energy integration were presented to illustrate the practical challenges and solutions in maintaining stable and high-quality power. The speaker emphasized that reliable EMF measurement not only supports technical accuracy but also ensures safety, energy efficiency, and sustainability.

The event concluded with an interactive Q&A session, where participants clarified their queries and shared their perspectives. Dr. Jay Singh conveyed the Vote of Thanks, expressing gratitude to Prof. Amevi Acakpovi and Dr. Francis Bofo Effah for their insightful talk and valuable knowledge sharing. He also appreciated the efforts of the organizing team, faculty members, and students for making the lecture a grand success. The expert lecture proved to be highly enriching and aligned with the institute's vision of promoting academic excellence, global exposure, and innovation in electrical engineering.



Regards

Mrs. Priyanka Datta

Asst. Prof. & Coordinator -CILD
GL Bajaj Institute of Technology and
Management, Greater Noida

Dr. Jay Singh

Prof. & Head - CILD
GL Bajaj Institute of Technology and
Management, Greater Noida