



**Details:**

**Chief Guest/ Guest of Honor: Nil**  
**Designation: Nil**

**Speakers: Mr. B. Kannan, AP(SG)/ECE, Ramco Institute of Technology, Rajapalayam, Tamil Nadu**

**Report**

*(maximum 250 words)*

The Department of Mechanical Engineering, in association with the Institution of Engineers (India) [IE(I)] Mechanical Chapter, organized a seminar on “Signal Conditioning Circuits” on September 12, 2024, specifically for the final-year Mechanical Engineering students. The seminar aimed to enhance students' understanding of electronic circuits and their application in mechanical systems, providing valuable insights into integrating electronics with mechanical engineering.

Mr. B. Kannan, Assistant Professor (Senior Grade) from the Electronics and Communication Engineering (ECE) Department, served as the resource person for this seminar. His expertise in signal processing and electronics helped students gain a comprehensive understanding of signal conditioning circuits, their working principles, and their applications in mechanical systems. The session covered key topics, including filtering, amplification, and data acquisition, all essential for ensuring the accurate performance of sensors and transducers in mechanical systems.

Mr. S. Valai Ganesh, Assistant Professor (Senior Grade) from the Mechanical Engineering Department, acted as the faculty coordinator, ensuring the event's smooth execution and bridging the gap between the mechanical and electronics fields.

Ms. P. Lisha Bharathi and Mr. C. Thiyagarajan, both second-year Mechanical Engineering students, took on the roles of student coordinators, assisting with the organization of the event and managing the logistics.

The seminar was highly informative and provided students with practical knowledge essential for their future careers. It emphasized the importance of interdisciplinary learning, especially in areas where electronics play a critical role in mechanical systems.

**Sample Certificate**

MR. S. VALAI GANESH  
AP(SG)/MECH/RIT

**Faculty Advisor**  
IE(I)- MECH Student Chapter  
(626117/RIT/MC)  
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Signature of the Faculty Advisor  
with date affixed with seal