7.4.3 Energy efficiency services for industry

DISCUSSION ON THE ENERGY EFFICIENCY POLICY WITH INDUSTRY PERSON BY THE FACULTY

The faculty members of the Department of Electrical and Electronics Engineering visited various industries, interacted with industry personnel and provided suggestions on key ideas for the implementation of energy efficiency measures.

S.No	Date	Name of the Staff	Company Visited and Person Interacted
1.	24.01.2025	Dr. G. Radhakrishnan	Multitek Control Pvt Ltd, Coimbatore. Mr. Antony Aaron (Managing Director) Email: antony@circuitengineering.in
2.	29.04.2025	Dr. S. Sivaranjani Dr. N. Loganathan Dr. B. Karthikeyan	Kerala Startup Mission Dr. ESM. Suresh (Director NITTTR Cochin) Email: esmsuresh@nitttrc.ac.in
3.	11.05.2025	Dr. N. Loganathan Mr. R. Kavin	Heatran Services, Coimbatore Mr. Leo Joseph (Managing Director) Email: johnleojoseph2003@gmail.com
4.	28.05.2025	Ms. N. Subha Lakshmi	Matsya Agrotech, Coimbatore. Dr. Ramji Tiwari (Managing Director) Email: tiwariramjis@gmail.com
5.	26.06.2025	Dr. P. Vinoth Kumar	ROOTS Industries India Limited(SSEM), Coimbatore. Mr. S M. Manoharan (Executive Director-SSEM) Email: ed@smartemobility.org

INDUSTRY VISITS AND DISCUSSIONS WITH INDUSTRY PERSONS

1. Multitek Control Pvt Ltd, Coimbatore (24.01.2025)



Dr. G. Radhakrishnan visited Multitek Control Pvt. Ltd., Coimbatore, and interacted with Mr. Antony Aaron, Managing Director, to understand industrial control solutions and emerging automation technologies. Discussions focused on integrating intelligent control systems, energy monitoring, and automated processes to improve operational efficiency. The discussion highlighted opportunities for adopting energy-efficient electrical control systems and smart monitoring mechanisms to minimize industrial energy consumption. The interaction emphasized sustainable industrial development particularly improving energy efficiency through technology-driven solutions.

2. Kerala StartUp Mission, Coimbatore (29.04.2025)



Dr. S. Sivaranjani, Dr. B. Karthikeyan, Dr. N. Loganathan visited Kerala Startup Mission and interacted with Dr. ESM. Suresh, Director, NITTTR Cochin, to explore innovation and entrepreneurship opportunities in sustainable technology development. Discussions emphasized encouraging startups to develop solutions in renewable energy, smart energy management, energy conservation, and efficient power utilization. The faculty members shared insights on integrating AI and IoT-based energy monitoring systems into emerging industrial solutions. The interaction highlighted the role of innovation-driven entrepreneurship in promoting affordable, clean, and sustainable energy.

3. Heatran Services, Coimbatore (11.05.2025)



Dr. N. Loganathan and Mr. R. Kavin visited Heatran Services, Coimbatore, and interacted with Mr. Leo Joseph, Managing Director, to gain insights into industrial heating systems, furnaces, ovens, and temperature-control technologies. Discussions focused on improving thermal energy utilization through efficient heating elements, intelligent temperature controllers, and automated process monitoring. The faculty members suggested exploring waste-heat recovery, insulation improvements, and energy-efficient heating technologies to reduce industrial power consumption. These initiatives support promoting energy conservation and improved energy efficiency in manufacturing industries.

4. Matsya Agrotech, Coimbatore (28.05.2025)



Ms. N. Subha Lakshmi visited Matsya Agrotech, Coimbatore, and interacted with Dr. Ramji Tiwari, Managing Director, to understand the company's technological developments and opportunities for modernization in the agricultural technology sector. Discussions focused on integrating energy-efficient machinery, smart automation, and renewable energy sources into agricultural operations. The faculty member highlighted the potential of solar-powered agricultural equipment, intelligent energy monitoring, and optimized resource utilization to reduce operational costs. The interaction emphasized sustainable agricultural mechanization and the adaptation of clean energy solutions.

5. ROOTS Industries India Limited(SSEM), Coimbatore (26.06.2025)



Dr. P. Vinoth Kumar visited ROOTS Industries India Limited (SSEM), Coimbatore, and interacted with Mr. S. M. Manoharan, Executive Director – SSEM, to explore advancements in smart mobility, electric vehicle technologies, and sustainable transportation solutions. Discussions focused on EV development, energy-efficient mobility systems, battery management, and opportunities for integrating renewable energy into EV charging infrastructure. The faculty member suggested exploring solar-powered EV charging stations, intelligent battery monitoring, and energy optimization in electric mobility applications. The interaction highlighted the contribution of clean transportation technologies towards reducing fossil-fuel dependence and advancing affordable and sustainable energy solutions.