

Brief Report of the visit of Prof. K. Ramarathnam, Chairman, BASIL Energetic Pvt Ltd

Date: 06th September 2019, **Time:** 13.00 – 19.00

Venue: B.S.A Crescent Institute of Science and Technology (MECH, CA, CSE, ECE & Chemistry dept)

Objective of the visit: To promote sponsored projects, research, consultancy and training.

About the Guest:

Prof. K. Ramarathnam, has handled assignments and commenced career with Jyoti Ltd., Vadodara, Jay Engineering Works Ltd., Hyderabad and introduced new designs for fans and machine winding for stators. Later promoted ELECTRODYN, Chennai which was the key supplier of appliance motors for leading Indian & MNC brands for Mixi, Vacuum Cleaner, Washing M/C, etc. Presently focusing on Embedded Controls for Electrical Machines, mainly for Energy Conservation, Renewable Energy, Power Conditioning & Measurement. A total and novel solution for rooftop solar systems for homes & offices has been developed by his present company and introduced in the market recently. The key features of this technology is the drastic reduction in Power Plant rating and roof top area requirement. He also been successfully managing a well-knit team of Electrical, Electronics and Mechanical Engineers for the last 35 years. He is the main GLOBAL DESIGN PARTNER For RENESAS, Japan, MICROCHIP and CYPRESS, USA. More details can be found in <https://www.imsc.res.in/~office/scienceclub152/ramarathnam.pdf>. Crescent and M/s. BASIL Energetic Pvt Ltd has signed an MOU to develop joint research projects in the field of energy sector.

Brief Report

Based on Crescent invitation, Prof K. Ramarathnam, Chairman, BASIL Energetic Pvt Ltd, visited us and interacted with our senior professors Dr. Rasool Moideen, Dean SMS, Dr. A. Jaya, Dean CA, Dr. Tarini, HOD-ECE Dr. Eswaramoorthy, HOD-Chemistry Dr. Ayesha, Professor-CSE, Dr. Muthumanohar, Dr. Rajendran, Mechanical Engg faculty members and had detailed discussion related to energy. Dean, School of Mechanical Engineering Dr. Rasool Moideen already working with a small joint R&D project. During the discussion based on the interest shown by our faculty and senior professors, 3 major projects are possible to be developed with the funding support of DST, Government of India under sponsored project mode. They are related to 1. Co-generation of energy, 2. Concentrated photo voltaic (CPV) project, and 3. Solar thermal project and storage.

During the meeting with senior manager, Shri V. N. A Jalal , he suggested to help us to develop micro grid concept, micro wind projects etc. He also suggested that installation of DC based appliances in a phased manner in our campus will be more energy efficient.

Event Photos



Interaction at ESPAC Office



Visit to 3 Pilot plants



Interaction and discussion with Senior Professors and other faculty members.



Meeting with Shri V. N. A Jalal, Senior Manager