

## IAS Calcutta Chapter Report for the year 2012

In the year 2012, the IEEE Industry Applications Kolkata Chapter convened a series of technical lecture meetings . Given below are the details of the said programmes.

<u>Sl. No.</u>	<u>Speaker &amp; Affiliation</u>	<u>Date</u>	<u>Topic</u>	<u>Venue</u>	<u>No. of Attendees</u>
1.	<b>Mr. Nihar (Neil) Ray,</b> Leader, Advanced Reactor Program, United States Nuclear Regulatory Commission	11 <sup>th</sup> January, 2012	Nuclear Power Plants	Dept. of Electrical Engineering, Bengal Engg. & Sc. University, Shibpur, Howrah-711103.	28
2.	<b>Mr. Ananda Majumdar,</b> GM Business Development & Technical Services, Marathon Electric Motors (India) Ltd., Kolkata	28 <sup>th</sup> March, 2012	Three Phase Induction Motors & Variable Frequency Drives : Genesis & Present Status	Dept. of Electrical Engineering, Bengal Engg. & Sc. University, Shibpur, Howrah-711103.	48
3.	<b>Mr. R. Chellappan,</b> Managing Director, Swelect Energy Systems Ltd. (formerly Numeric Power Systems Ltd), Chennai	30 <sup>th</sup> August, 2012	Power Quality Issues In IT / Data Centre Loads And Harmonic Management Using Shunt Active Filters	Dept. of Electrical Engineering, Bengal Engg. & Sc. University, Shibpur, Howrah-711103.	25

The Industry Applications (IA) Calcutta Chapter has organized a short-term course on 'Introduction to Power Electronics' jointly with the Department of Electrical Engineering, Bengal Engineering & Science University (B.E.S.U), Shibpur, Howrah, India-711103 during June 19-23, 2012. The course included lecture sessions and hands on demonstration sessions including experimentation and simulations. The lecture sessions were delivered by members of the teaching faculty of B.E.S.U and also by a faculty member from Jadavpur University along with two invited speakers, who are R&D personnel associated with reputed multinational industry houses. 17 registered participants including 9 lecturers from private engineering colleges and 8 persons from the industry and service sector along with postgraduate and undergraduate students of B.E.S.U attended the course. The participants expressed excellent opinions about the course in their feedback. (Detailed report attached)

The IAS Calcutta Chapter convened two (2) administrative meetings in 2012 to decide on administrative matters pertaining to smooth running of the chapter and to consider the possibility of opening a students' chapter at BESU. However, the secretary reported that there are no student members of IAS in BESU right now. The members of IAS at BESU had made an effort to induct student members. But since most students at BESU hail from middle class Indian homes, they are

not able to pay the IEEE membership amount (even with concessions). Hence, the student response to the membership drive was not too encouraging. The committee, therefore, unanimously decided to defer the formation of the IAS students' chapter to a later date. However, the student membership drive will still be on.

The Chapter was selected as the 'Continuing Outstanding Performance IAS Small Chapter' (selected by the CMD Awards Committee) for 2011 performance. However, like last year, it was not possible for any of the office-bearers to receive the award in person. The certificate for the same has been received by post.

The chapter received one special grant from IEEE in 2012. \$600 was received in March 2012 to meet the expenses of the short-term course.

Due to problems in accessing the IEEE database, the updated membership information could not be provided this time. However, efforts are under way to make them available during the AGM.

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Bengal Engineering & Science University  
Howrah – 711103, India

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Debjani Ganguly  
Secretary  
IEEE – IA Calcutta Chapter