

A Report from the Secretary, IEEE Industry Applications Calcutta Chapter on a short term training course organized during July 13-17, 2010

The Industry Applications Calcutta Chapter has organized a short term course on Power Electronics JOINTLY with the Department of Electrical Engineering, Bengal Engineering & Science University (B.E.S.U), Shibpur, Howrah during July 13 – 17, 2010 in the Department of Electrical Engineering, Bengal Engineering & Science University (B.E.S.U), Shibpur, Howrah. The course included lecture sessions and sessions on ‘Hands on laboratory experiments’. The lecture sessions were mostly by the teaching faculties of B.E.S.U, one renowned Professor from Jadavpur University (JU), Kolkata and one from a well-known Kolkata-based industry R&D Research Engineer. Below are the major particulars about individual lecture sessions:

<u>Speakers & Affiliation</u>	<u>Date (dd/mm/yy)</u>	<u>Topic</u>	<u>Venue</u>	<u>No. of Attendees</u>	<u>Brief Report</u>
Dr. Ajit K. Chattopadhyay (B.E.S.U)	13.7.10	Power Electronics Technology and Applications — An Overview	S E M I N A R	28 (4 IEEE members)	All these lectures were part of the “Short Term Course on Power Electronics”, organized by the Dept. of Electrical Engineering, Bengal Engineering and Science University, (BESU) Howrah <u>jointly with the IEEE Industry Applications Calcutta Chapter.</u> Professionals from industrial houses, teachers of different engineering institutes and students attended the short term course. The attendance against each column brings out the respective details. The course not only offered theoretical lectures but also hands on practical training on several power electronic applications. The feedback obtained from the participants seem extremely encouraging.
Dr. Sujit K. Biswas (J.U)	13.7.10	Passive Components used in P. E. Applications	H A L L, D E P T. O F E E	24 (5 IEEE members)	
Dr. Mainak Sengupta (B.E.S.U)	13.7.10	Power Electronics pushing ahead the frontiers of electrical energy usage	B. E. S. U	23 (4 IEEE members)	
	15.7.10	Power Electronics – Brief discussions on a few elementary topics	S H I B P U R	24 (3 IEEE members)	
Dr. Prasad Syam (B.E.S.U)	14.7.10	Matrix Converters	B P U R	24 (3 IEEE members)	
Ms. Debjani Ganguly (B.E.S.U)	13.7.10	Power Semiconductor Devices	R	27 (3 IEEE members)	
	14.7.10	DC Motor Drives		23 (3 IEEE members)	
Dr. Kaushik Mukherjee (B.E.S.U)	14.7.10	Issues related to Control Circuit Design & Implementation in Power Electronic Converters		23 (3 IEEE members)	
	15.7.10	Distribution STATCOM		28 (3 IEEE members)	
Dr. Suvarun Dalapati (M/S Stesalit Ltd.)	17.7.10	Concepts on carrier based PWM inverters		16 (3 IEEE members)	

Few photographs of the mentioned 'Short Term Course on Power Electronics':



Prof. Amit K. Das, the DEAN (F.E.T), B.E.S.U speaking at the inauguration of the short term course



Prof. Ajit K. Chattopadhyay, Fellow, IEEE & Chairman, IEEE IA Calcutta Chapter, speaking at the inauguration of the course



Prof. Ajit K. Chattopadhyay, Fellow, IEEE & Chairman, IEEE IA Calcutta Chapter, delivering his technical lecture



Prof. Sujit K. Biswas, Vice-Chairman, IEEE IA Calcutta Chapter, delivering his technical lecture



Ms. Debjani Ganguly, Associate Professor, B.E.S.U, delivering her technical lecture



Prof. Prasad Syam, Professor, B.E.S.U, delivering his technical lecture



Dr. Mainak Sengupta, Associate Professor, B.E.S.U., delivering his technical lecture



Dr. Kaushik Mukherjee, Assistant Professor, B.E.S.U., delivering his technical lecture



Practical Training on a DSP-controlled DC drive, going on for the course participants



Interactive session with the course participants, having their feedback about the course convened, at the end