

A Report from the Course Co-ordinator, Short Term Course on Power Electronics:

The Department of Electrical Engineering (EE), Bengal Engineering and Science University (BESU), Shibpur has organized a short term course on Power Electronics jointly with the IEEE Industry Applications Society, Calcutta Chapter, during June 19 – 23, 2012 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 faculty members of EE, B.E.S.U. There were invited talks, one by a Professor from Jadavpur University (JU), Kolkata (who happens to be the IEEE IAS Kolkata chapter chair) and two by competent young research engineers associated with reputed multinational industry houses. The table below gives the details of the lecture sessions and invited talks. 17 registered participants including 9 lecturers from private engineering colleges and 8 from the industry and service sector along with postgraduate & undergraduate students of B.E.S.U attended the course.

Speakers & Affiliation	Date (dd/mm/vy)	Topic	Venue	No. of Attendees	Brief Report
Prof. Ajit K. Chattopadhyay (B.E.S.U)	19.6.12	Power Electronics Technology and Applications — An Overview	S E M I N A R	28	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 jointly with the IEEE Industry Applications Calcutta Chapter. 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.
Ms. D. Ganguly (B.E.S.U)	19.6.12	Power Semiconductor Devices	A R	24	
Dr. M. Sengupta (B.E.S.U)	19.6.12	Power Electronics - pushing ahead the frontiers of electrical energy usage	H A L L,		
Dr. K. Mukherjee (B.E.S.U)	19.6.12	Issues related to Control Circuit Design & Implementation in Power Electronic Converters	D E P T.		
Prof. P. Syam (B.E.S.U)	20.6.12	Matrix Converters	O F		
Prof. Sujit Biswas (J. U.)	20.6.12	Invited talk:- Passive components in Power Electronics Applications Power Semiconductor Devices	E E B. E. S. U	23	
Ms. Debjani Ganguly (B.E.S.U)	20.6.12	DC Motor Drives	S H I B P U R	24	
Dr. K. Mukherjee (B.E.S.U)	21.6.12	Distribution STATCOM	R	27	
Dr. M. Sengupta (B.E.S.U)	21.6.12	Power Electronics – Brief discussions on a few elementary topics		23	
Dr. Suvarun Dalapati (M/S Stesalit Ltd.)	23.6.12	Concepts on carrier based PWM inverters		28	
				16	

The Course was inaugurated by Dr. Amit K. Das, Prof. & Dean (FE&T), BESU, Shibpur. On the final day the course was concluded after distribution of attendance/ participation certificates to the participants. The participants attended the course very seriously and held lively discussions/interactions with the speakers as well as inside the laboratory. The also submitted individual written feedback on the course and spoke about the course in the valedictory session.

Dr. Ajit K. Chattopadhyay, Emeritus Prof., Dept. of EE, Dr. G. Bandyopadhyay, Dr. P. Syam, Prof. D. Ganguly, Dr. M. Sengupta and Dr. K. Mukherjee, all faculty members of EE, BESU Shibpur were involved in the course. Dr. M. Sengupta, was the Course co-ordinator