



The Industry Applications Chapter – IEEE Kolkata Section A Few Words

M. Sengupta

Chairman – IEEE IAS Kolkata Chapter

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Professor, Department of Electrical Engineering, Indian
Institute of Engineering Science and Technology, Shibpur

Presentation Layout

- Introduction – Brief history of the Chapter
- Present Status
- Brief outline of the present activities of the Chapter
- Challenges, Scope and Future Aim
- Concluding Remarks

Introduction – Brief History

- Started its journey: 8th October, 1997 with only 20 members under the Kolkata (then Calcutta) section
- Only independent IAS Chapter (not a joint chapter) in India till 2005
- Founder Members: [Link](#)
- [Geographical Domain \(approx.\)](#)

Present Status

- Current Office Bearers: [Link](#)
- Profile of Activities for the last three years: [Link](#)
- No. of members – 43; mostly from academics – a few (less than 10) from industry

Activities of the Chapter

- Technical Lecture
- Short Term Course (co-sponsor)
- Annual General Meetings
- Administrative Meetings
- Tech. Sponsorship of meets and conferences

Activities for the Current Year

- Till date, [three technical lectures](#) have been arranged
- The society has been a sponsor of Convolution-2015 – a students' meet, organized by JU

Challenges, Scope and Future Aim

Challenges:

- Limited to mostly technical lecture meetings
- Handshake with industry limited to technical lectures only – reduced industrial activities / low industrial involvement in academic interaction
- Activities are Kolkata-centric – because of (i) member distribution, (ii) geographical reasons, (iii) infrastructural reasons, (iv) impediment for passionate members, located away from Kolkata

Challenges, Scope and Future Aim

Scope:

- Short term courses – one day / two days' workshop on selected topics
- Industrial visits

Challenges, Scope and Future Aim

Future Aim:

- Possibility of opening a student chapter (only if we can make it sustainable!!)

Concluding Remarks

- Happy to be an active member of the IEEE Kolkata Section
- Grateful to the IEEE-IAS Head Quarters for continuous support and back-up
- Looking forward to greater and better things in the coming years

The logo for the IEEE Industry Applications Society (IAS) is positioned in the top right corner of the slide. It is rendered in a light, semi-transparent green color. The logo consists of the acronym "IAS" in a large, bold, sans-serif font, followed by the full name "IEEE INDUSTRY APPLICATIONS SOCIETY" in a smaller, stacked, sans-serif font. To the right of the text is a stylized graphic element resembling a large, bold letter "A" or a similar symbol, also in the same green color. A registered trademark symbol (®) is visible at the bottom right of the graphic element.

IAS
IEEE INDUSTRY
APPLICATIONS
SOCIETY

**Gratitude for your
kind attention**

Current Office Bearers:

- Prof. M. Sengupta – Chairperson
- Prof. D. Ganguly – Vice-Chairperson
- Prof. S. Dalapati – Secretary
- Prof. B. Barman – Treasurer

The above team is also aptly supported by other senior members (e.g. Prof. A. K. Chattopadhyay, Prof. S. K. Biswas and Dr. K. Mukherjee)

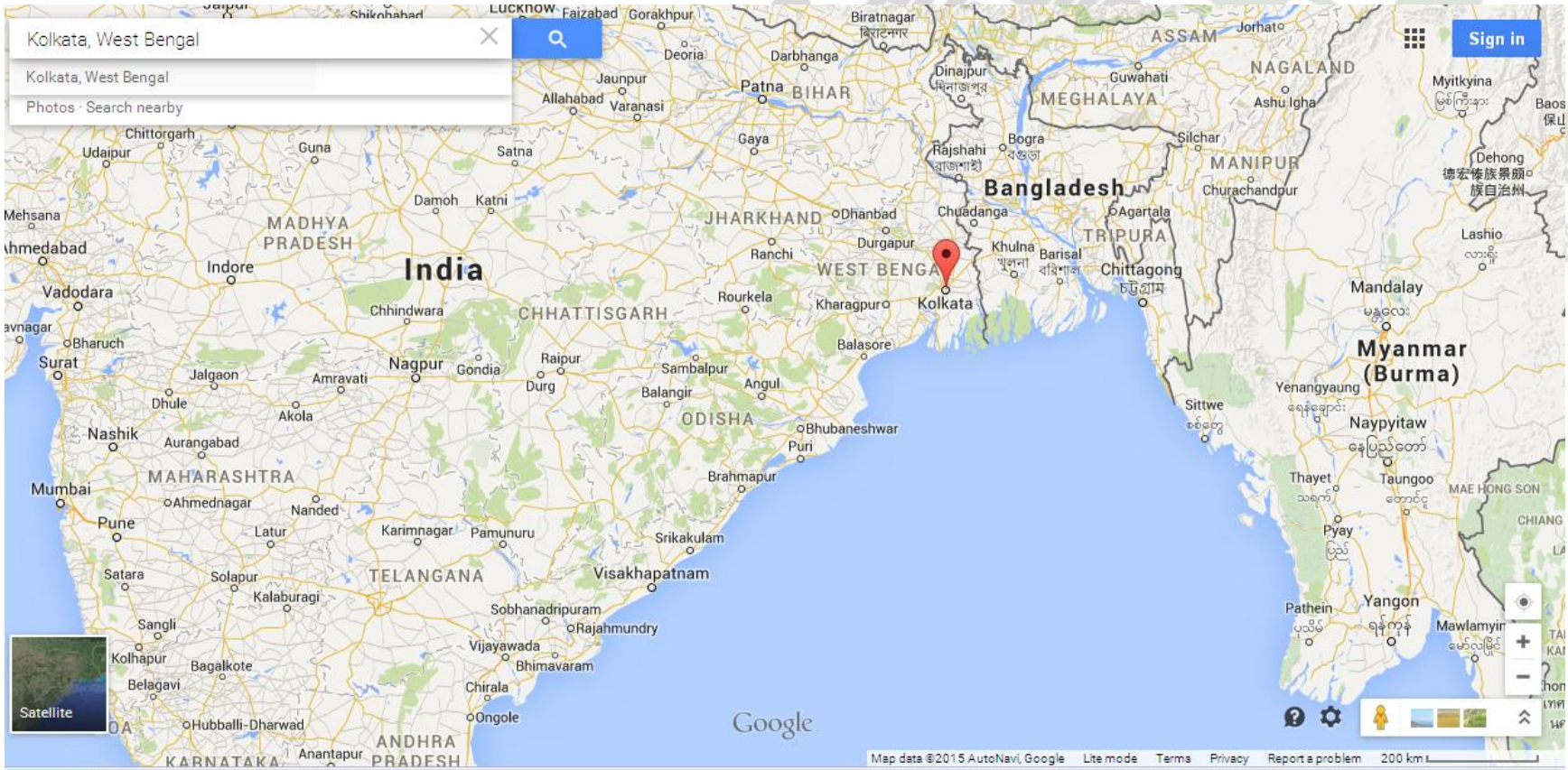
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Activities for the Last Three Years

- Regularly arranges for IEEE-Technical Lecture Meetings – usually 5 – 7 lectures per year.
- Co-sponsor of “Short Term Course on Power Electronics,” held at Dept. of Electrical Engineering, IEST Shibpur
- Non-financial support to conferences / symposia, held at various engineering colleges / institutes within the geographical domain

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Geographical Domain

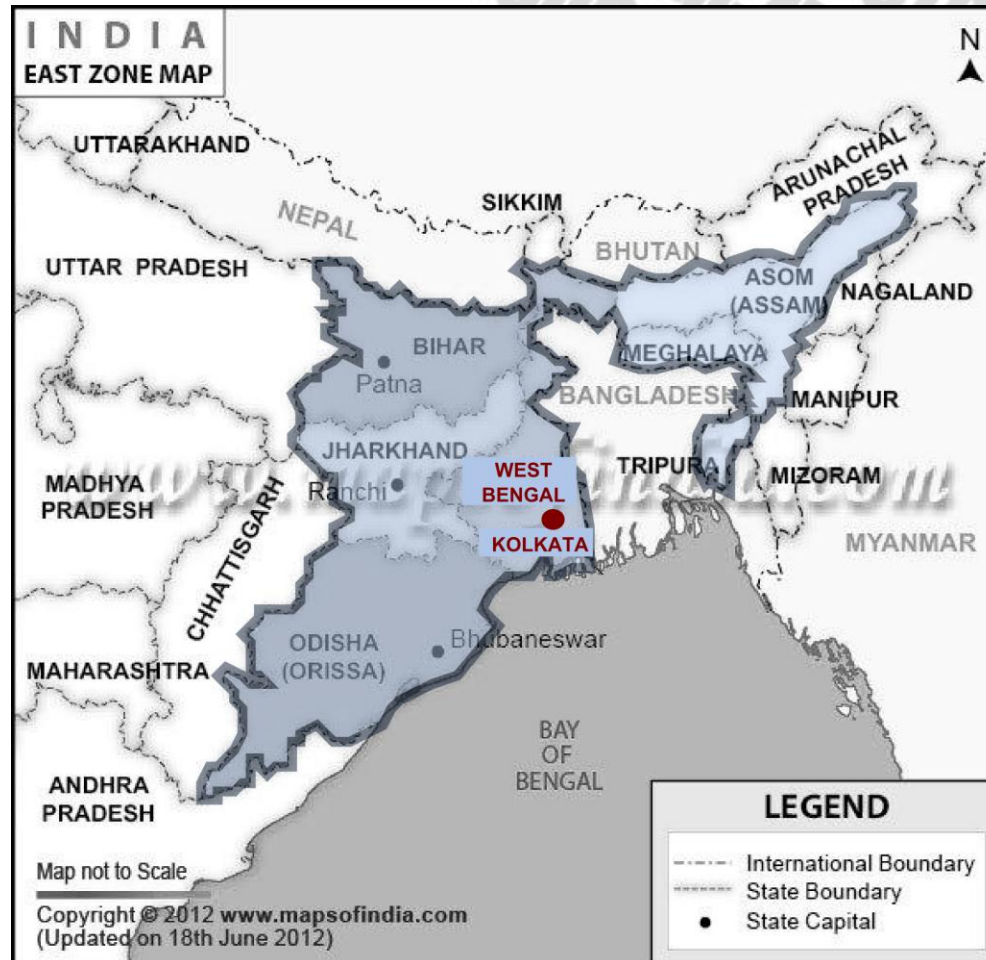


Geographical Domain



- ❖ The city of Calcutta (now renamed '*Kolkata*'), is located in the eastern part of India, was established by the East India Company in late 17th Century as a center of trade for the British. During the following centuries of British colonial rule, it had served as the capital of India till the early 20th century (1911)
- ❖ It is located beside the Hooghly river, a part of the sacred Ganges or Ganga and is the center of rich Scientific, Arts and Cultural heritage. All five Nobel prize winners from India had worked in their respective diverse fields in this city.

Geographical Domain



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Petition for forming the IEEE-IAS Kolkata Chapter

PETITION TO FORM AN IEEE CHAPTER

Date: 15 Sep 1997

Name of IEEE Society: INDUSTRY APPLICATIONS SOCIETY
 Name of IEEE Section: CALCUTTA

We, the undersigned, who are members of the above Society and Section, hereby petition for approval to form a Chapter in the Section indicated above.

Signature of Petitioner	Member No.	Printed Name
1) <i>[Signature]</i>	04636973 F	PROF. A. K. CHATTOPADHYAY
2) <i>[Signature]</i>	08264129 SM	DR S. K. BISWAS
3) <i>[Signature]</i>	02629483 M	BISWARUP BASAK
4) <i>[Signature]</i>	03286978 M	PRADSEP. K. GHOSH
5) <i>[Signature]</i>	02830412 M	SHESADRI. B. CHANDA.
6) <i>[Signature]</i>	04631177 M	PRANAB KUMAR GUPTA
7) <i>[Signature]</i>	02917862 M	AJIT K. SAHA
8) <i>[Signature]</i>	04248548 M	AMIT KR. DEY.
9) <i>[Signature]</i>	02542736A	TAPAN CHAUDHURY
10) <i>[Signature]</i>	40204530 M	AJIT KUMAR DATTA
11) <i>[Signature]</i>	00623321 M	DEBASIS DASGUPTA
12) <i>[Signature]</i>	08864397 SM	PRABHAS C. SEN
13) <i>[Signature]</i>	40200626 M	TIRTHANKAR RAY
14) <i>[Signature]</i>	40205393 M	ARIJIT BISWAS
15) <i>[Signature]</i>	4156741 M	JIBANK CHAUDHURY
16)		
17)		

FOR A CHAPTER FORMATION, 12 PETITIONERS ARE REQUIRED.

The action has the approval of the Section Executive Committee.

The following individual is serving as the Organizer of the Chapter:

Name: DR SUJIT K BISWAS
 Street: 10/C DR SURESH SARKAR ROAD
 City, State/Country: CALCUTTA 700014 INDIA
 Phone, FAX, E-mail: Ph (33) 244-9265 Fax (33) 244-0397

Signature of Section Officer/Office Held: [Signature]
 IEEE CALCUTTA SECTION

Chairman: ~~Secretary~~

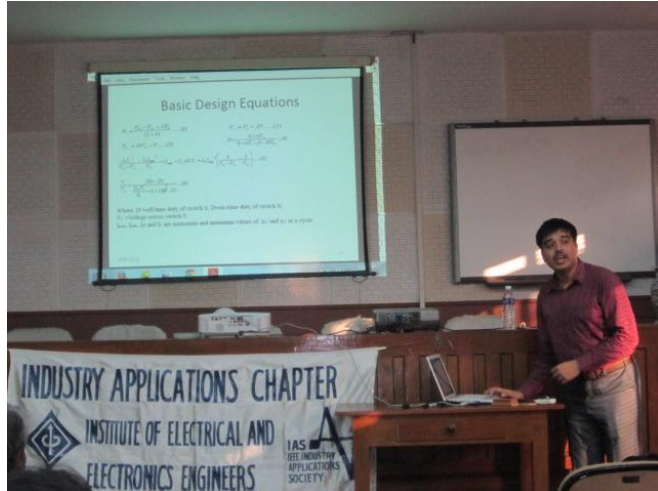
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Technical Lectures for the Current Year

- Lecture-1: “Three Switch Cell Soft-switching Resonant Buck Converter for Point-of-load Application” – by Anindya Ray (
- Lecture-2: “HVDC Design Considerations – A Utility Perspective” – by Dr. Tapan K. Manna
- Lecture-3: “DC Voltage Balancing in three-level inverter” – by Dr. Sibaprasad Chakrabarti

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Photographs



Speakers of IEEE-Technical Lectures for the current year (from top left corner in clockwise sense): 1. Anindya Ray, 2. Sibaprasad Chakrabarti (with Dr. M. Sengupta on the left) and 3. Tapan K. Manna

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