

**IEEE POWER ENGINEERING SOCIETY**  
**OUTSTANDING CHAPTER AWARD**

**Outline of the report of Calcutta PE Chapter  
for the year 2003**

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**IEEE POWER ENGINEERING SOCIETY  
OUTSTANDING CHAPTER AWARD**

**Section - 1: Chapter Chair's Transmittal Letter**

**From:**  
**Prof. Sivaji Chakravorti**  
**Chair, Power Engineering Chapter**  
**IEEE Calcutta Section**

**Date: February 25, 2004**

**To**  
**Prof. George Karady**  
**Arizona State University,**  
**Department of Electrical Engineering**  
**5706, Tempe, AZ 85287-5706, USA.**

*Dear Prof. Karady,*

Please find appended below the report for the year 2003 from the Power Engineering Chapter of IEEE Calcutta Section for IEEE Power Engineering Society "Outstanding Chapter Award" in the small chapter category as our membership strength is less than 100. A summary of all the activities is given first and the details of the activities are then divided into sections as per IEEE-PES OCA Award format. More detailed report on the seminar, tutorial and workshop programs organized by the chapter in the year 2003 may be seen from our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta).

Throughout the year 2003, the chapter maintained electronic communication for proper dissemination of information on its activities. The relevant email notifications on the activities reported here are attached herewith (in zipped format) for your kind perusal. I hope that IEEE-PES will find our report to conform to the required format and also up to the mark.

With kind regards,

**Sivaji Chakravorti**

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## Power Engineering Society Outstanding Chapter Award

### Report of Calcutta PE Chapter for the year 2003

#### **SECTION - 2 : SUMMARY**

During the year 2003, Calcutta PE Chapter organized the following activities.

- **Technical Programs** - 7 Programs  
(One 2-day Seminar + 6 Lecture Meetings)
- **Educational Programs** - 5 Programs  
(Two Tutorials + One Workshop + One ½-day Seminar + One Lecture)
- **Public Affairs Programs** - 5 Programs  
(One Workshop + Two Lectures + Active Website Maintenance + Having Chapter PAC Chair for Professional Activity Coordination)
- **Student Activities** - 8 Programs  
(One Students' Contest + One Group Discussion + One Technical Visit + One Technical Presentation + One Student Membership Promotional Program + One Video Show + Having Chapter SAC Chair for Student Activity Coordination + One Student Branch Support Program)
- **Advancements** - 1 Program  
(Nominated 3 members for SM grade)
- **Nominations** - 2 Programs  
(Nominated 1 Senior Member for OCE Award + Having Award Chair throughout the year for coordination)
- **Membership Development** - 4 Programs  
(Active Member Recognition + Special Drive to recruit new PES Members + GOLD Activity + Having Chapter MDC Chair for Membership Development Activity Coordination)

It was a conscious effort on the part of the chapter to perform well by organizing quality technical programs for its members, to conduct educational program of high standard for the benefit of higher grade as well as student members, to undertake programs for the growth of chapter membership, to organize public affairs programs that are of general interest to the members and general public alike, to conduct programs involving students and to provide up-to-date information about chapter activities regularly through updated website, which is linked to the PES Membership/Chapters Web Page.

All these activities involved members from academia, industries and also many R&D institutions. Moreover, it is also relevant to mention here that student members were involved in large numbers in all the activities of the Calcutta Chapter. The Calcutta Chapter also invited non-member professionals and students to join in all these programs, to let them know about the benefits of joining IEEE and its technical societies.

## **SECTION - 3 : NOMINATION ARTICLE**

**February 22, 2003  
Subrata Mukhopadhyay  
CHAPTER REPRESENTATIVE  
REGION 10 EAST**

The Calcutta Chapter is nominated for its performance during the calendar year 2003 under the leadership of Chapter Chair Sivaji Chakravorti. The chapter is to be commended for its continued excellence in providing technical programs and quality services to the membership and the educational development of both students and practicing engineers and also for recognizing the services rendered by active members by nominating them for awards and through presentation of merit certificates.

### **TECHNICAL PROGRAMS**

The Calcutta Chapter organized 6 technical meetings. The topics included Behavior of string insulators under different pollution levels, Lighting Design and Case Studies, Lighting Control, Chaotic Ferro resonance in Power Transformers, Impulse Behavior of Transformers and Modern trends in Lighting. The attendance in these technical meetings varied between 8 to 115 persons. In addition, the Calcutta Chapter organized a two-day All India Seminar on "Integrated Operation of Power System" jointly with the Electrical Engineering Division, West Bengal State Center of the Institution of Engineers (India) in which there were about 70 participants.

### **EDUCATIONAL PROGRAMS**

The Calcutta Chapter organized a workshop on 'Impact of Electricity Privatization on the Existing Electric Power Systems' under the aegis of Distinguished Lecturer Program of IEEE-PES. The speaker in this workshop was IEEE-DL Prof. M.Shahidehpour of Illinois Institute of Technology, Chicago, USA. It also organized a one-day tutorial on 'Wavelet Transform and Fractal Analysis in Pattern Recognition', a half-day seminar on 'Power System Problems in Jharkhand' in Collaboration with the student Branch of BIT Mesra (DU), an educational lecture program on 'Computer Networks and Power Systems' and a tutorial program on 'Application of Soft-computing Techniques in Power Systems'. The attendance in these educational programs varied between 27 to 150 persons.

### **PUBLIC AFFAIRS**

The Calcutta Chapter organized a one-Day Workshop on 'Current Trends in Technical Education In India' in Collaboration with the Humboldt Club Calcutta and Max Mueller Bhavan Calcutta. In this category, two open meetings were also organized, the topics of which were 'Career Opportunities for Engineering Students in the Changed Global Scenario' and 'Communication Skill-A Key to Success in Professional Life'. The Calcutta Chapter maintained an active website, which acted as a medium for better communication with its membership.

## **STUDENT ACTIVITIES**

A Web-content development contest for IEEE student members was held in the year 2003. Other programs included a lecture on "Features of TTL Logic Gates", a group discussion on 'Power Engineering: No longer attractive to the students', a technical visit to the 220kV Substation of West Bengal State Electricity Board located at Kasba near Calcutta, a program for technical presentations by students, a video show for students to learn more about power engineering careers. Further, in order to support student branches, the Calcutta Chapter distributed the videocassettes prepared by IEEE-PES for career promotion in Power Engineering to all the student branches under the jurisdiction of IEEE Calcutta Section. The attendance in these students' programs varied between 12 and 60. The Calcutta Chapter had a 'Student Activities Chair' throughout the year 2003 to coordinate the activities involving students.

## **ADVANCEMENTS**

During the year 2003, the Calcutta Chapter nominated three of its members for elevation to Senior Member grade. All three of them have been duly elevated to the grade of Senior Member in the year 2003.

## **NOMINATION ACTIVITIES**

In the year 2003, the Calcutta Chapter nominated Nirmalendu Chatterjee (SM 03854999) for the Outstanding Chapter Engineer Award. To coordinate the nominations for the various awards of IEEE-PES, the Calcutta Chapter had an Award committee headed by an eminent IEEE PE member during the entire 2003.

## **MEMBERSHIP DEVELOPMENT**

The Calcutta Chapter honored Prof. Srikumar Mallik (SM02629475) in the year 2003 by presenting him with a certificate for his significant contribution in the growth and sustenance of the chapter. The Chapter decided to give 50% of PE society dues as subsidy for new membership to PE society during the year 2003. Three young engineers availed this facility to become new members of Power Engineering Society of IEEE. GOLD member Prithwiraj Purkait (M 41260885) has been elected Treasurer for the year 2003. A technical meeting on "Condition Monitoring and Life Prediction of Power Transformers" with a Gold Member as the speaker was organized in 2003. The Calcutta Chapter also has a 'Membership Committee Chair' to look after its membership development activities during the year 2003.

## SECTION - 4: TECHNICAL PROGRAMS

Technical meetings and seminars have been organized by the Calcutta Chapter to provide a suitable forum for fruitful interaction between the members from academia, industry and R&D sector.

### a) Technical Meetings:

In the year 2003, altogether 6 technical lecture meetings have been organized. Several topics of current relevance to the field of Power Engineering were discussed in these technical meetings. The details of the *technical meetings organized by Calcutta Power Engineering Chapter in 2003* are given below. The attendances in these six technical meetings were 9, 25, 32, 8, 115 & 59 respectively.

The speakers in these technical meetings were invited from university/power utility/private sector industry, to represent the broad spectrum of power engineers. The venues were also selected judiciously so that practicing power engineers were invited to deliver talks at the teaching institutes so as to give ample opportunity of exchange of views from either side. In selecting the venues, it was also kept in mind that the students of upcoming engineering colleges in and around Calcutta were exposed to IEEE and its activities.

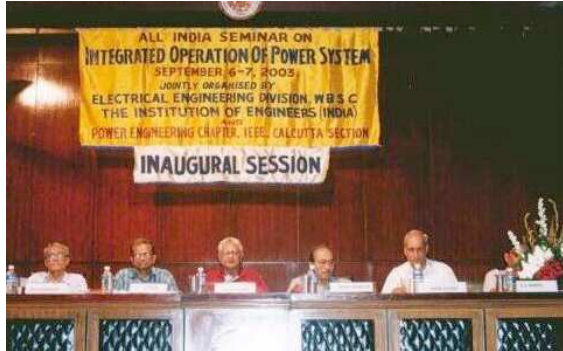
#### List of Technical Meetings:

| Date       | Speaker   | Topic  | Venue   |
|------------|---|--|---|
| 29.03.2003 | Mr. Mrinal Kanti Das<br>(Jadavpur University)           | Behavior of string insulators under different pollution levels | Room HV-3-1, High Tension Laboratory, EE Dept, JU |
| 10.04.2003 | Mr. Nilotpal Ghosh<br>(Lighting Consultancy, Calcutta)  | Lighting Design and Case Studies                               | A. De Memorial Hall, CSE Dept, JU                 |
| 10.04.2003 | Mr. Aniruddha Sengupta<br>(Computer Services, Calcutta) | Lighting Control   | A. De Memorial Hall, CSE Dept, JU                 |
| 12.04.2003 | Mr. Prem Kumar Sarkar<br>(Jadavpur University)          | Chaotic Ferro resonance in Power Transformers                  | Seminar Room of HV Lab, EE Dept, JU               |
| 15.09.2003 | Prof. N. Chatterjee<br>(Jadavpur University)            | Impulse Behaviour of Transformers                              | Asansol Engg College, Burdwan, West Bengal        |
| 06.11.2003 | Ms. Sudeshna Mukhopadhyay<br>(Philips India Ltd)        | Modern trends in lighting                                      | Seminar Room of EE Dept, JU                       |

**b) Seminar:**

In the year 2003, the Chapter organized a two-day All India Seminar on "Integrated Operation of Power System" jointly with the Electrical Engineering Division, West Bengal State Center of the Institution of Engineers (India) on September 6-7, 2003 in Sir R.N. Mukherjee Hall of the Institution of Engineers (India), 8, Gokhale Road, Calcutta 700 020.


For detailed report please visit our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta)



**Inaugural Session of the Seminar on 'Integrated operation of Power Systems'**



**A section of the distinguished audience in the seminar**

|   |  |  |   |
|---|--|--|---|
| <p><b>Participation Fees</b></p> <p>Students : Rs. 100/-<br/>                 IE(I) Members : Rs. 200/-<br/>                 Individual Delegate (Non-member) : Rs. 500/-<br/>                 Sponsored Delegate : Rs. 1,000/-</p> <p><b>Advertisement Tariff</b></p> <p>Back Cover : Rs. 8,000/-<br/>                 Inside Cover : Rs. 5,000/-<br/>                 Special Full Page : Rs. 3,000/-<br/>                 Full Page : Rs. 2,000/-<br/>                 Half Page : Rs. 1,000/-</p> <p><b>Sponsorship</b></p> <p>Sponsorship fee (4 delegates free) : Rs. 20,000/-<br/>                 Collaboration fee (2 delegates free) : Rs. 10,000/-</p> | <p>All India Seminar on<br/> <b>INTEGRATED OPERATION OF POWER SYSTEM</b></p> <p>at<br/>                 Sir R. N. Mookerjee Hall<br/>                 The Institution of Engineers (India)<br/>                 8 Gokhale Road<br/>                 Kolkata 700 020</p> <p>on<br/>                 6-7 September, 2003</p>  <p>jointly organised by<br/>                 Electrical Engineering Division<br/>                 WEST BENGAL STATE CENTRE<br/>                 The Institution of Engineers (India)</p> <p>and<br/>                 Power Engineering Chapter<br/>                 IEEE CALCUTTA SECTION</p> | <p><b>Theme</b></p> <p>The ongoing restructuring of electric power system through out the world has brought fundamental changes to the way the electric energy industry conducts its business and to the way the physical transmission systems are utilised. To days energy users increasingly need highly reliable efficient power sources. To achieve efficient power system planning, operation and control, India is divided in to five regional Grids. With rapid growth coupled with vast geographic spread of Indian power system, operation and management of integrated power system forming Regional and National Grids has become complex and challenging task requiring co ordination amongst various central and state sectors Generation and Transmission utilities. This necessitates the need to modernise the existing load despatch and communication facilities. With this end in view the seminar 'Integrated operation of Power System' is going to be organised with a hope that concrete ideas and policies will emerge out of the discussion.</p> <p><b>Scope</b></p> <p>The topics of the seminar include, but are not limited to the technology and applications of Power System the following areas:</p> <ul style="list-style-type: none"> <li>• Load despatch</li> <li>• Load despatch with dedicated communication facilities.</li> <li>• Supervising control and data Acquisition</li> <li>• Efficient Grid management</li> <li>• Optimal utilisation of Generation and Transmission resources.</li> <li>• Power System analysis and application</li> <li>• Power System operation and control</li> <li>• Stability, Security and Reliability</li> <li>• Application of Artificial Intelligence in Power System</li> <li>• Load Frequency and Automatic Voltage Control</li> <li>• Power System Control and Protection</li> <li>• FACTS</li> <li>• HVDC Transmission</li> <li>• Power Quality</li> <li>• Design and Performance of HV Insulation</li> </ul> | <p><b>Submission of Paper</b></p> <p>Three copies of the camera ready full paper in the following format are to be submitted as per the schedule given below:</p> <ol style="list-style-type: none"> <li>1. The paper should not exceed 4 A4 size pages.</li> <li>2. It should be in double column format with single spacing. Each column should be of width 8.5 cm with a spacing of 1 cm between the columns. The left and right margins should be 1.5 cm each and the top and the bottom margin should be 3cm and 2cm respectively.</li> <li>3. The Text should be in Times Roman having a font size of 11 for text, 12 for headings and 14 for paper title.</li> <li>4. The paper should be prepared in the following order</li> <li>5. (i) Title of paper<br/>                     (ii) Name of authors with affiliation<br/>                     (iii) Abstract<br/>                     (iv) Body of the paper<br/>                     (v) Conclusions<br/>                     (vi) References and<br/>                     (vii) Acknowledgement, if any</li> </ol> <p><b>Dead Lines</b></p> <p>Submission of papers : 14th August 2003<br/>                 Notification of acceptance : 21st August 2003</p> <p><b>Address for Communication</b></p> <p>Dr. Kesab Bhattacharya<br/>                 West Bengal State Centre<br/>                 The Institution of Engineers (India)<br/>                 8 Gokhale Road<br/>                 Kolkata 700 020<br/>                 Tel: 2223 8914/3140</p> <p>OR</p> <p>High Tension Laboratory<br/>                 Electrical Engg. Department<br/>                 Jadavpur University<br/>                 Kolkata 700 032<br/>                 Tel: (01) (033) 2414 6948 / 2354 9515<br/>                 E-mail: kesab@ieeee.org<br/>                 kesab_bhattacharya@yahoo.com</p> |
|---|--|--|---|

**Brochure of the All India Seminar**

## SECTION-5: EDUCATIONAL PROGRAMS

The Calcutta Chapter organized five educational programs in the year 2003 as detailed below. These programs covered topics, which were of present day interest in the Indian Backdrop and were attractive to academicians, students and professional engineers alike. The programs were also organized at different venues spread over the entire eastern India, so that power engineers from a wide spectrum could be benefited from these programs.

1) A workshop on **‘Impact of Electricity Privatization on the Existing Electric Power Systems’** was organized on **December 19, 2003** in the seminar room of Electrical Engineering Department of Jadavpur University in Calcutta. This program was organized under the aegis of Distinguished Lecturer Program of IEEE-PES. The speaker in this workshop was **IEEE-DL Prof. M.Shahidehpour** of Illinois Institute of Technology, Chicago, USA.

*For detailed report please visit our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta)*



**Inaugural session of the workshop**



**IEEE-DL Prof. M. Shahidehpour giving his talk**



**A section of the audience in the workshop**

2) A one-day tutorial on **‘Wavelet Transform and Fractal Analysis in Pattern Recognition’** was organized on **November 6, 2003** in the Regency Ballroom of Hyatt Regency in Calcutta. Prof. S.K.Pal, FIEEE, inaugurated the tutorial program. The entire tutorial program was divided into two sessions. The pre-lunch session on ‘Wavelet Transform’ comprised two lectures and there were two presentations in the post-lunch session on ‘Fractal Analysis’.

*For detailed report please visit our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta)*



**Inaugural session of the tutorial**



**Prof. S.K.Pal, FIEEE, giving his inaugural address**



**Dr. C.A. Murthy during his talk on fractal analysis**

3) A half-day seminar on **'Power System Problems in Jharkhand'** was organized in Collaboration with the student Branch of BIT Mesra (DU) on **September 13, 2003** at the BIT Mesra (DU). The speakers of this seminar were Mr. U.C.Rastogi, GM, Electrical, MECON, Ranchi and Mr. K.Singh DGM, Electrical, MECON, Ranchi. There were more than 60 participants in this program.



Inaugural Session of the seminar



A section of the audience at BIT Mesra

4) An educational lecture program on **'Computer Networks and Power Systems'** was organized on **September 15, 2003** at the Asansol Engineering College, Kanyapur, Asansol, in which the speaker was Prof. Kalyan K Mallik of Dept. of Electronics and Tele-Communications Engineering of Jadavpur University. More than 150 participants took part in this program.



Prof. K.K.Mallik delivering his talk



A section of the audience at Asansol

5) A tutorial program was organized on **September 20, 2003** at Jadavpur University as detailed below.

Topic: **Application of Soft-computing Techniques in Power Systems**

Speakers: a) Dr. P. Purkait, Lecturer, Haldia Institute of Technology, Haldia, West Bengal, b) Mr. A. Lahiri, Lecturer, Asansol Engg. College, Kanyapur, West Bengal.

There were 27 participants in this tutorial program.



Dr. P. Purkait delivering his lecture



Mr. A. Lahiri in the course of his talk

## SECTION-6: PUBLIC AFFAIRS PROGRAMS

Within the scope of the public affairs program, Calcutta Chapter organized programs, which concerns technical education as well as career building of budding engineers. The chapter also concentrated its efforts in 2003 in the maintenance of an active website, which acted as a medium for better communication with its members.

1) A one-Day Workshop on **‘Current Trends in Technical Education In India’** has been organized by the Chapter on **November 22, 2003** in Collaboration with the Humboldt Club Calcutta and Max Mueller Bhavan Calcutta. Dr. Martin Waelde, Director, Max Mueller Bhavan Calcutta inaugurated the workshop and the Guest of Honour was Mr. Ernst Schwering, Hon’ble Vice Consul, Consulate of the Federal Republic of Germany in Calcutta. The entire workshop program was divided into two sessions comprising three lectures each. There were more than 40 participants in this workshop program from various educational institutes, industries and research organizations.

*For detailed report please visit our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta)*



**Inaugural Session of the workshop**



**Prof. A.K. Chattopadhyay, FIEEE, delivering the address**



**Prof. A.K. Barua, Padmasree, delivering his talk**

2) An open lecture meeting was organized on **August 26, 2003** in Calcutta, in which Mr. Anirban Basu of University of California, Santa Barbara, USA, spoke on **‘Career Opportunities for Engineering Students in the Changed Global Scenario’**.

3) An open lecture meeting was organized on **September 23, 2003** in Room no. HV-3-1 of High Tension Laboratory of Electrical Engineering Department of Jadavpur University, Calcutta. Mr. P.K.Chattopadhyay of Bharat Bijlee Ltd delivered a talk on **‘Communication Skill-A Key to Success in Professional Life’** in this program.

4) Forthcoming lecture meetings and other events were regularly posted on the online notice board of the chapter available at the Chapter website (<http://www.ewh.ieee.org/soc/pes/calcutta>). The chapter web pages provide lists of activities of immediately preceding years along with that of the current year and also the scope of IEEE PES and IEEE Code of Ethics for better dissemination among its members. The navigation bar of the website provides easy access to the pages outlining the contact info, details of the executive committee along with the office-bearers, activity details, Annual General Meeting details and also Annual Reports. There are also active links to other significant IEEE links, which might be useful to PES members in general. This year a ‘Hit Counter’ has also been incorporated to keep track of the number of hits to the chapter website.

5) As a sustained effort to coordinate the above activities throughout the year, the Calcutta Chapter had a ‘Professional Activities Chair’ in the year 2003.

## SECTION – 7: STUDENT ACTIVITIES

In 2003, the Calcutta Chapter organized students' contest, technical visit, technical presentations, group discussion and other student activities involving large number of students through which the students got acquainted with IEEE activities as well as got the scope to learn practical aspects of power engineering profession which will help in building their career outline for future perspective planning.

1) A Web-content development contest for IEEE student members attached to IEEE Calcutta Section was held in the year 2003. Out of the several entries, which were judged by a panel of experts, the content developed by **Mr. Sujoy Mukherjee (S41553452)** has been awarded the certificate of merit for the best entry.

*For detailed report please visit our website at [www.ewh.ieee.org/soc/pes/calcutta](http://www.ewh.ieee.org/soc/pes/calcutta)*

**Prof. Saifur Rahman, VP, IEEE-PES,** presented the certificate to **Mr. Sujoy Mukherjee.**



2) A group discussion on **'Power Engineering: No longer attractive to the students'** was organized for students on **July 22, 2003** at Jadavpur University in Calcutta. 16 students took part in this group discussion and it was conducted by **Prof. Abhijit Mukherjee (SM 03854981)**. The discussion was very lively and many interesting points were put forward by students, which merit attention of the appropriate bodies.

3) A technical visit to the **220kV Substation of West Bengal State Electricity Board** located at Kasba near Calcutta was organized by the Chapter for students on **July 29, 2003**. 13 students took part in this visit and they were accompanied by Chapter Chair, **Prof. Sivaji Chakravorti**, Chapter Vice Chair, **Dr. Dipak Ray** and Chapter Secretary, **Dr. Kesab Bhattacharya**. The students were very enthusiastic about this visit and requested to organize more such visits in future.

4) A program for the students was organized by Power Engineering Chapter on **September 2, 2003** at Jadavpur University in Calcutta. In this program **technical presentations** were made by 12 students on various issues that are relevant to power engineering in general. The program was conducted by **Dr. Kesab Bhattacharya (SM 40118117)**. Some of the topics on which presentations were made are as follows: New techniques for dissolved gas in oil analysis, Necessity of partial discharge diagnosis, Performance characteristics of XLPE vs. EPR as insulation in HV cables, Recent developments in the electrical insulation system of generators and transformers, Insulation integrity of GIS system etc.

5) IEEE Power Engineering Society has developed two videos to help students to learn more about power engineering careers. In an effort to disseminate this information, the Power Engineering Chapter of IEEE Calcutta Section organised a video show for students on **November 21, 2003** in the High Voltage Laboratory of Jadavpur University in which 21 students took part. In this video show two titles were shown as follows: i) "Electric Power: A New Generation" - Run Time: 18 min and ii) "Power Engineering: Careers that Make Technology Work" - Run Time: 19min.

6) A program was organised by the Chapter for the promotion of student membership at the National Institute of Science and Technology (NIST), Berhampur, Orissa on **September 8, 2003**. Prof. S.Chakravorti, Chair, Power Engineering Chapter, Dr. K.Bhattacharya, Secretary, Power Engineering Chapter and Dr. S.K.Sanyal, Vice-Chair, IEEE Calcutta Section took part in this program. At the outset Dr. Bhattacharya made a presentation on the IEEE activities in general, which was followed by a technical lecture on "Features of TTL Logic Gates" by Dr. Sanyal. An interactive session on "IEEE vis-a-vis Students" was held thereafter in which Prof. Chakravorti made a presentation on the student activities of IEEE and the benefits of IEEE membership to the students in particular. More than 60 students and several faculty members of NIST participated in this program.



Dr. S.K.Sanyal delivering his address



A section of the audience at NIST

7) As a sustained effort to coordinate the activities involving students throughout the year, the Calcutta Chapter had a 'Student Activities Chair' in the year 2003.

8) In order to support student branches, the Calcutta PE Chapter distributed the video cassettes prepared by IEEE-PES for career promotion in Power Engineering to all the student branches under the jurisdiction of IEEE Calcutta Section, viz. Jadavpur University, Bengal Engineering College (Deemed University), National Institute of Technology Durgapur and Birla Institute of Technology Mesra (Deemed University) during the year 2003.

## **SECTION – 8: ADVANCEMENTS**

**The Calcutta Chapter identified members eligible for promotion to senior membership and sustained effort was made to arrange for their nomination during the year 2003 that yielded results.**

**During the year 2003, the Chapter succeeded in nominating three of its members for elevation to Senior Member grade. The nominated members are i) Prof. Srikumar Mallik (M 02629475), ii) Dr. Debasis Sarkar (M 01435528) and iii) Dr. Kesab Bhattacharya (M 40118117). All three of them have been duly elevated to the grade of Senior Member in the year 2003.**

## **SECTION – 9: NOMINATIONS**

The Calcutta PE Chapter gave special emphasis to nominations as a means to give due recognition to deserving PE Chapter members for excellent services rendered to PE Chapter in particular and IEEE in general.

1) In the year 2003, the Calcutta Chapter has nominated Nirmalendu Chatterjee (SM 03854999) for the Outstanding Chapter Engineer Award. This award has been given to Nirmalendu Chatterjee on Jan 15, 2004 during the Annual General Meeting of the chapter.

Prof. Nirmalendu Chatterjee is involved with IEEE Calcutta Section from its inception and serving as a member of the Executive Committee of the section for more than 15 years. He has served as IEEE Calcutta Section Chair as well as PE Chapter Chair. He is also a founder member of the Power Engineering Chapter of the section and is a member of the Executive Committee of the Power Engineering Chapter from the very beginning.

2) To coordinate the nominations for the various awards of IEEE-PES, the Calcutta Chapter has an Award committee duly headed by an eminent IEEE PE member, the details of which are available on the chapter website.

## SECTION – 10: MEMBERSHIP DEVELOPMENT

The Calcutta Chapter in the year 2003 took a special drive for increasing the IEEE-PES membership and a program to give recognition to long serving member attached to the chapter. The chapter has also made its GOLD initiative to be the focus of its membership development activities.

a) The Executive Committee of the Power Engineering Chapter resolved to honor Prof. Srikumar Mallik (SM02629475) of BE College (DU), Shibpur, Howrah in the year 2003 by presenting him with a certificate for his significant contribution in the growth and sustenance of the chapter.

Prof. Saifur Rahman, VP, IEEE-PES, presented the certificate to Prof. Srikumar Mallik.



b) As a drive to increase the PE Chapter membership, the Executive Committee of Power Engineering Chapter decided to give 50% of PE society dues as subsidy for new membership to PE society during the year 2003. Three young engineers who have recently entered the power engineering profession as faculty members of Bhadrak Institute of Engineering & Technology, Bhadrak, Orissa, India, viz. i) **Mr. C.K.Panigrahi**, ii) **Mr. A.P.Nayak** and iii) **Mr. M.Pilot**, availed this facility in 2003 to become new members of Power Engineering Society of IEEE.

c) In the year 2002, one GOLD member Prithwiraj Purkait (M 41260885) has been elevated to the office of Chapter Treasurer. Subsequently, he has been elected Treasurer again for the year 2003. Moreover, the chapter organized a technical meeting with a Gold Member as the speaker as detailed below, to motivate more and more GOLD engineers to come under the umbrella of IEEE-PES and its Calcutta Chapter.

| Date       | Speaker  | Topic  | Venue  |
|------------|--|--|--|
| 29.08.2003 | Dr. Prithwiraj Purkait<br>(Haldia Institute of Technology) | Condition Monitoring and Life Prediction of Power Transformers | Seminar Hall-1, Vidyut Bhavan, WBSEB, Block DJ, Sector - II, Calcutta 700 091. |

d) The Calcutta Chapter had a 'Membership Committee Chair' to look after its membership development activities throughout the year 2003.

## **SECTION – 11: CONCLUDING REMARKS**

Considering all the efforts of the chapter in the year 2003 mentioned above, it may be said that 2003 was an active year. Calcutta Power Engineering Chapter strives and will continue to strive hard to enthuse more and more colleagues in the field of Power Engineering to join IEEE fraternity as members. The chapter looks forward to receive the members' valuable advice, special expertise and pleasing company to provide them quality service in the years to come.

The chapter also thanks IEEE-PES for providing excellent support throughout the year for sustaining the thrust in its activities.

To conclude, the chapter looks forward to get the active cooperation again from all concerned in 2004 to excel in its activities.