

A Quarterly News Letter

## SIGNAL



Volume - 16 :: No - 1 :: January-March, 2019

### CHAIRMAN'S MESSAGE

**Mr. P. S. Biswas**

Our newsletter "SIGNAL" has been out of circulation since 2005. We have decided to revive it in its web version. This will carry the reports of the current activities of IETE as well as some short technical write-up, news or article.

Apart from being published in our website, this will be e-mailed to our IETE Kolkata members.

A special thanks to our Editor, Prof. J.K. Mandal, our Hon. Secretary, for taking initiative on this project.

We invite contributions/articles for this newsletter from our members. Your contribution may please be sent to secretaryietekolkata@gmail.com. If accepted, it shall be published in future edition.

With Greetings and Best Wishes

**Partha S. Biswas**

*"Take risks in your life, If you win, you can lead! If you loose, you can guide!" — Swami Vivekananda*

### UPCOMING

### EVENTS

- ◆ EC has decided to organize a seminar on "Women in Technology" at IETE Kolkata Centre. Sangita Roy will be the coordinator of the programme. This will be organized in the middle of April 2019.
- ◆ A Workshop on Robotics will also be organized on behalf of ISF Narula Centre at IETE Kolkata Centre. The date and other formalities will be done subsequently by Sangita Roy and Secretary IETE Kolkata Centre.
- ◆ The World Telecommunication & Information Society Day will be observed on 17th May 2019 at IETE Kolkata Centre. EC decided that one expert from Core Telecom Circle and one Industry Expert on Communication Technology will be invited for the seminar.

### Members

- ⇒ Mr. P. S. Biswas, Hon. Chairman
- ⇒ Dr. Jyotsna Kumar Mandal, Secretary
- ⇒ Prof. P. R. Bandyopadhyay, Treasurer
- ⇒ Mr. S. C. Rudra, Immediate Past Chairman, IETE Kolkata Centre
- ⇒ Mr. Anirban Guha, Vice Chairman
- ⇒ Sri Tapan Jyoti Sen, Committee Member
- ⇒ Mr. S. D Tiwary, Committee Member
- ⇒ Dr. A. K. Mukhopadhyay, Committee Member
- ⇒ Mrs. Sangita Roy, Committee Member
- ⇒ Mr. Dibyendu Majumder, Committee Member
- ⇒ Prof. Dr. Sujit Biswas, Ex. Professor, Jadavpur University Co-opted Member
- ⇒ Mr. Soumya Roy, Ex. CGM Calcutta Telecom, Co-opted Member
- ⇒ Mr. Aniruddha Nag, Co-opted Member



# EDITOR'S COLUMN

Dr. Jyotsna Kumar Mandal

The Managing committee took charge during third week of July 2018. Since then regular activities are being organized on behalf of IETE Kolkata Centre. The Executive Committee already conducted seven regular meetings and one Emergency EC meeting during this period. The decision has been taken to revive ISF branches and to initiate new branches. Initiatives has already been taken in this regard and the process of motivating technical institutes are going on. Initiatives are taken to induct more new members. During this period two ISF programs have been organized. It has also been decided to provide grant in aid to organize ISF activity. During the period July 2018 to March 2019, the IETE Kolkata Centre has organized seven activities out of which two activities are done under the ISF Centres and five activities are organized at IETE Kolkata Centre.

In the 7th EC meeting of IETE Kolkata Centre, it was decided to revive the Quarterly News Letter "SIGNAL" of IETE Kolkata Centre under the leadership of the Secretary, IETE as Editor. Last version of Newsletter was published in December 2005 . Fifteen years Long tradition was suspended due to some unknown reasons.

The members heartily welcomed the initiative taken by the Hony. Secretary to publish the IETE News Letter which has been stopped since 2005. It was decided that the volume and issue numbers will be continuous but the year of publication will start for 2019. This volume number will be 16 and the issue number will be 1, January-March 2019. The secretary will take the initiative to redesign the newsletter which will be uploaded in to the web portal of IETE and the same will be circulated to all members of IETE. The design will be done in A4 size. The following sections will be included into the News Letter "SIGNAL".

- ⇒ From Chairman's Desk
- ⇒ Editor's Column
- ⇒ IETE Activities
- ⇒ ISF Activities
- ⇒ Technical Article
- ⇒ Round the Globe
- ⇒ Technical News/Quiz

The newsletter will be published into the web site only. No printed version will be there.

On behalf of the members of EC, I would like to thanks to all members and my scholars for taking positive role to revive the newsletter. Hope this will be a useful information and technical brochure for the esteem members. I would like to request our esteem members to participate in writing technical articles into this newsletter.

Best wishes,

Jyotsna Kumar Mandal

Secretary, IETE Kolkata Centre

Editor, SIGNAL

*"It is very simple to be happy, but it is very difficult to be simple."*

– Rabindranath Tagore

During July 2018 to March 2019



### One Day Seminar on 05.10.2018

IETE Kolkata Centre organized one day seminar on "Solar Power in India - a brief Review" on 5th October 2018 at IETE Kolkata Centre. Prof. (Dr.) S. P. Ganchoudhuri delivered his Key Note Address on the topic.

### Sir A. J. C. Bose Memorial Lecture at IETE Kolkata Centre on 01.12.2018

The IETE, organized the 24th Sir J C Bose Memorial Lecture on Saturday, 1st December at 11 am at the IETE Kolkata Centre. The topic of the lecture was "Tangible Benefits to the Society from ISRO's Programme" The Keynote Lecture was delivered by Dr. Tapan Misra Senior Advisor & Ex Director, SAC, ISRO. A special Executive Committee meeting was convened at the IETE Kolkata in presence of the president Dr. K T V Reddy and the Secretary General Col. D Sen. In this special executive committee meeting members discussed about various activities to be organized by the IETE Kolkata Centre. Another meeting was convened with officials of Techno India University regarding the MOU done by the IETE and Techno India University. A Committee has been formed to formulate the modalities of the MOU.



### Invited Talk on "How Desygners grew from 0 to 1 million users in 1 year"

IETE Kolkata Centre organized an Invited talk delivered by Mr. Sayan Bhattacharyya, Founder & CTO Desygner <https://desygner.com> & We Brand <https://webrand.com> from Gold Bay Australia, on Feb. 15, 2019 at IETE Kolkata Centre auditorium, IETE Kolkata Centre. The theme of the talk was Building the right team for a small start-up, Growing without VC funding, Technical scalability challenges, Marketing, customer service and other functions in a start-up.



### SEMINAR on Impact of Internet of Things on the Telecommunication Industry on 23.02.19

Symposium on "Impact of Internet of Things on the Telecommunication Industry" Jointly organised by IETE Kolkata Centre & IEEE CASS Kolkata Section . Dr. Sudip Misra, Professor, IIT Kharagpur deliver the keynote address on "Cross-domain Convergence in IOT", Dr. Tapas Chakraborty, Principal Scientist, TCS Research & Innovation, Kolkata delivered talk on "Digital manufacturing IoT enabled services for Telecommunication Industry", Dr. Debashis De, Professor, MAKAUT delivered talk on "Precision Agriculture using IoT". Dr. Jayanta Kumar Roy, managing director and Technical Consultant, System Advance Technologies Pvt. Ltd., delivered talk on "Remote Surveillance of water quality under IoT environment".



**During July 2018 to March 2019**

**One Day Workshop at Narula Institute of  
Technology on 12.10.2018**

The Electronics and Communication Department of Narula Institute of Technology has organized a workshop on "Stratosphere Communication" in collaboration with IETE Student Forum and IETE Kolkata Centre. The honourable dignitaries whose presence made the seminar a grand success were Prof. (Dr.) M.R Kanjilal, the respected principal of the institute, Mrs. Nidhi Singh, the Registrar, Prof. (Dr.) Saradindu Panda (Head of ECE department), the honourable chief guest Prof. (Dr.) J.K Mandal, K.U, Hony. Secretary IETE Kolkata and Prof. S.K Sanyal. Prof.(Dr.) Jyotsna Kumar Mandal deliver his Key Note Address on Wireless Network based on High altitude platforms for integrated navigation/communication service termed as "Stratosphere Communications".



**SEMINAR on "SOME ASPECTS OF CMOS AND  
VLSI CIRCUIT DESIGN" organized by IETE  
STUDENT FORUM**

The Electronics and Communication Department of Narula Institute of Technology organized a seminar on "Some Aspects of CMOS and VLSI Circuit Design" for ECE students. The keynote speaker of the day was Prof. (Dr.) S. K Sanyal, ECE Department Narula Institute of Technology and former Professor of Jadavpur University who made us familiar with the details of Some Aspects of CMOS and VLSI Circuit Design.



*Let me not beg for the stilling of my pain, but  
for the heart to conquer it."*  
— Rabindranath Tagore



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