

**List of distinguished lecture (DL) Talk:**

Date	DL name	Topic	No. of Attendees	Place
6th January 2017	by Dr. Meyya Meyyappan, Chief Scientist from NASA	Nanomaterials in Nano electronics and Optoelectronics	98	HITK
21.07.2017	Prof. Samar Saha	Evolution of Semiconductor Devices in Enabling Smart Environments and Integrated Ecosystems	156	HITK
21.07.2017	M. Jagadesh Kumar	Low Power Nanoscale MOSFETs: Innovations and Challenges	156	HITK
21.07.2017	Prof. Manoj Saxena	Modeling and simulation of Gate Electrode Engineered Double Gate Junctionless Transistor	156	HITK
21.07.2017	Prof. Souvik Mahapatra	CMOS Transistors - Operation, Scaling, Reliability and Way Forward	156	HITK
28th July, 2017	Prof. Subir Kumar Sarkar	Searching New Possibilities of nano MOSFET structures	70	KGEC
9th November, 2017	Prof. Yogesh Chauhan, IIT Kanpur	Negative Capacitance of MOSFETs for Future Technology Nodes		A.K.Choudhury Auditorium of the Institute of Radio Physics and Electronics Department

**Mini-Colloquium (MQ) Program held:**

Date	Speakers	Topic	No. of attendees	Place
March 25, 2017	1) Prof. C K Sarkar, Professor of Jadavpur University and IEEE EDS DL 2) Prof. Manoj Saxena, Associate Professor of Deen Dayal Upadhyaya College, University of Delhi and IEEE EDS DL 3) Prof. G N Dash, Professor of Sambalpur University and IEEE EDS DL 4) Prof. Ajit Kumar Panda, Professor of NIST Berhampur and IEEE EDS DL	Nano-Scale Device and Circuit Design	90	Meghnad Saha inst. of Tech Auditorium

**Conferences/seminars/paper contest sponsored by the chapter:**

Date	Name of the Conference	Place	Organized by	No. of Attendees
March 23-24, 2017	2nd International Conference on Devices for Integrated Circuits (DevIC 2017)	BCKV Lake Hall Kalyani Government Engineering College	IEEE KGEC Student Branch Chapter in association with Department of ECE, KGEC, technically co-sponsored by IEEE EDS Kolkata Chapter	230

**List of workshops conducted:**

Date	Topic	Place	Speaker	Attendees
17-18 April, 2017	Verilog A modelling and simulation in SPICE environment	Advance VLSI Design Lab, MSIT	Dr. Writam Banerjee, Dr. Ambarnath Banerjee, Prof. Swarnil Roy	36
April 06, 2017	Panel discussion on 'Digital India, Make in India & Startup India - How to optimize a pragmatic growth path	HITK	Dr. Nabarun Bhattacharyya, Director, C-DAC Prof. Rajib Bandyopadhyay, Jadavpur University Mr. Alokesh Ghosh, C-DAC Dr. Subhrangshu Sanyal, CEO, IIM Kolkata Dr. Prabir Banerjee, HOD, ECE Dr. Anindya Sen	143
April 06, 2017	Panel discussion on 'Embedded Systems: Innovation, Leadership and Entrepreneurship'	HITK	Dr. Nabarun Bhattacharyya, Director, C-DAC ; Mr. Alokesh Ghosh, C-DAC ; And Dr. Subhrangshu Sanyal, CEO, IIM Kolkata	143

**List of seminars/ One-day Lecture Programs held:**

Date	Topic	Speaker	Place	Attendees
9th March 2017	Digital Controls	Prof. Siben Dasgupta, Wentworth College, USA	HITK	46
28th March 2017	Challenges and Advantages of MOSFETs: A Journey of 60 years	Prof. Sanatan Chattopadhyay	HITK	125
04th August, 2017	Security and Authentication in non-linear domain: Electronic Applications	Prof. J. K. MANDAL of Kalyani University	Language Lab of Kalyani Govt. Engg. College	75
: 21st-sept-17	Key Challenges and Solutions to Present and Next Generation Cellular Systems	Prof. Abhirup Das Barman of Institute of RadioPhysics & Electronics, University of Calcutta	Language Lab of Kalyani Govt. Engg. College	65

**Chapter efforts directed to students and young professionals:**

**a) IEEE Membership Awareness Program**

Date:	participants	Venue:	Organized by	Participants:
22nd February, 2017	120	Meghnad Saha inst. of Tech Auditorium	ExComm. Members of IEEE EDS MSIT SBC	1st Year ECE, EE, CSE and IT Students
9th August, 2017	100	Techno India Batanagar	IEEE Student Branch at Techno India Batanagar	1st Year ECE, EE, CSE and IT Students

**b) Student Paper Contest:**

Name	Date	Venue	Participants	No. of presented papers
2nd MSIT Student paper contest	19-20 April, 2017	MSIT Seminar Hall	121	41
Students' Article Competition "PRAYAS-2017"	18th February 2017	MCKVIE under the sponsorship of IET (UK) Kolkata Local Network, MCKVIE and IEEE SSCS and EDS Kolkata Chapters	27	17

**c) Project Prototype Competition:**

Name	Date	Venue	No. of participants
2 Days Project Prototype competition- INNOVATION 2017	28th-29th April, 2017	MSIT	Participants: 25 teams, having 4 members in each team
Green Window Project competition	29th April, 2017	MSIT	10 school teams and 5 college teams having 3 members in each team

**DL by Dr. Meyya Meyyappan**

The Department of Electronics & Communication Engineering, Heritage Institute of Technology hosted a Distinguished Lecture Program by Dr. Meyya Meyyappan, Chief Scientist from NASA, Ames Research Center, CA. The event was organized in collaboration with IEEE Kolkata Section, IEEE EDS, Kolkata Chapter, IEEE EDS HITK SBC and IEEE SSCS Kolkata Chapter. He delivered a lecture on ‘Nanomaterials in Nano electronics and Optoelectronics’ on 6<sup>th</sup> January 2017. The talk was attended and nicely received by over 98 attendees (IEEE Member: 34) which included third and final year ECE students and faculty members from various universities.



*From to left: Inaugural ceremony of the program, Dr. Meyya Meyyappan delivering his lecture*

## PRAYAS-2017

The Department of Electronics & Communication Engineering, MCKV Institute of Engineering had organized a Students' Article Competition "PRAYAS-2017" on 18th February 2017. The event was held at MCKVIE under the sponsorship of IET (UK) Kolkata Local Network, MCKVIE and IEEE SSCS and EDS Kolkata Chapters. Seventeen articles in various domains of Electronics & Communication Engineering and allied fields were accepted for the event. Fifteen articles were presented and a total of twenty seven participants from various engineering colleges/ universities participated in the program. Certificates of merit and prizes were awarded for first, second and third positions. Participation certificates were awarded to all participants.



*From the left: Banner of the PRAYAS-2017, Group photographs of the participants*

*DL by Prof. Siben Dasgupta*

The Department of Electronics & Communication Engineering, Heritage Institute of Technology hosted a Lecture Program by Prof. Siben Dasgupta, Professor, Wentworth College, USA. The event was organized in collaboration with IEEE EDS, Kolkata Chapter and IEEE EDS HITK SBC. He delivered a lecture on 'Digital Controls' on 9<sup>th</sup> March 2017. The talk was attended and nicely received by over 46 attendees (IEEE Member: 8) which included third and final year ECE students and faculty members from various universities.



*Prof. Siben Dasgupta delivering his lecture*

## **International Conference on Computational Science and Engineering**

Under the technical co-sponsorship of IEEE Electron Device Society Kolkata Chapter, Department of Electronics and Communication Engineering and Department of Computer Application of RCC Institute of Information Technology jointly organized an International Conference on Computational Science and Engineering from 4th – 6th October 2016 at CII-Suresh Neotia Centre of Excellence for Leadership, Saltlake. Honorable vice-chancellor of MAKAUT, Prof. S. K. Dey as Guest-in-Chief, inaugurated the programme. Mr. Joydeep Banerjee (Lead University Relations, IBM) emphasized the need of the product-oriented and outcome-based technical education at inaugural ceremony. Prof. Atanu Kundu, Chairman, EDS Kolkata chapter explained the importance of research-oriented teaching approach for technical enrichment in the opening session. 67 technical papers, selected among 131 submitted papers. Proceeding of the conference will be published by CRC Press (Taylor & Francis) in online (CRCnetBase).



Inaugural program photograph