

## **5 Day International FDP on Emerging Trends in Sensors, Security and Smart Automation Systems**

Department of Electrical Engineering organized a 5 Day International FDP on **Emerging Trends in Sensors, Security and Smart Automation Systems** from 8th to 12th July 2020. More than 140 participants from 41 colleges from all over India participated in this FDP. Participation of some of the Faculty members and Research Scholars from China, Japan, New Zealand, Sri Lanka make this FDP a truly international.

The program was inaugurated with the welcome speech of Principal prof. Dr. Sutapa Mukherjee, and Emeritus Professor Dr. B.N. Chatterjee. There was Youtube streaming of each days program along with the actual FDP on Google Meet. More that 230 participants are recorded in Youtube. Participants are provided with Participation Certificate on successful submission of Feedback Form.

All the Speakers are Felicitated by an Appreciation Certificate.

Day 1: IoT and WSN for Health, Home Management and Smart City

Speaker: Prof. (Dr.) Subhas Mukhopadhyay, School of Engineering, Macquarie University Sydney, Australia, IEEE Distinguished Lecture Program

08.07.2020- <https://youtu.be/iMf-umVZmlo>

Day 2: Some Aspects of Smart Utilities

Speaker: Mr. Debasis Gupta, Power Distribution/Smart Grid Veteran, Invited Adjunct Fellow with Centre for Strategic & International Studies (CSIS).

09.07.2020- <https://youtu.be/qaCTqX-Xq7U>

Day 3: Publishing a Good Scientific Paper

Speaker: Prof. (Dr.) Subhas Mukhopadhyay, School of Engineering, Macquarie University Sydney, Australia, IEEE Distinguished Lecture Program

Printed Flexible Sensors for Multifunctional Applications.

Speaker: Dr. Anindya Nag, Postdoctoral Fellow Computer, Electrical, Mathematical Sciences and Engineering Division King Abdullah University of Science and Technology Thuwal, Saudi Arabia

10.07.2020- [https://youtu.be/UDmHCaRw\\_HU](https://youtu.be/UDmHCaRw_HU)

Day 4: Spectrally tunable dynamic light source A component of smart lighting system.

Speaker: Prof.(Dr.) Biswanath Roy, Illumination Engineering, Electrical Engineering Department, Jadavpur University, West Bengal, India.

Emergence of coding theory based cryptography

Speaker: Dr. Abhik Mukherjee, Associate Professor Computer Science and Technology, IEST, Shibpur, West Bengal, India.

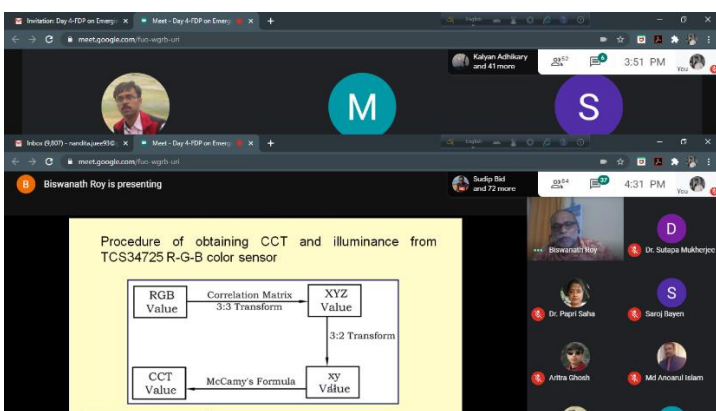
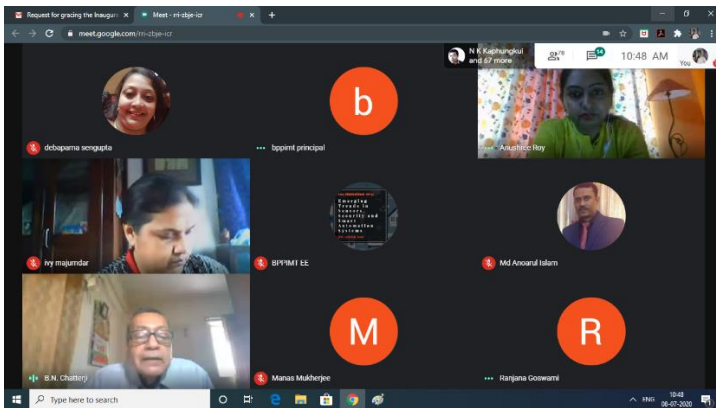
11.07.2020- <https://youtu.be/13IKJtyTaBo>

Day 5: Signal and image processing-A journey through ages.

Speaker: Dr. Kallol Mallick, Founder and CEO of Azure Software Pvt. Ltd.

12.07.2020- [https://youtu.be/7kO\\_FSI8iBY](https://youtu.be/7kO_FSI8iBY)

Participants expressed their extreme satisfaction on attending this Faculty Development Program on such topics of cutting edge technology in Valedictory Session.



The screenshot shows a Google Meet window with a presentation slide titled "Advanced Metering Infrastructure". The slide contains a diagram illustrating the architecture of an AMI system. At the top, it lists "Smart Meter", "Network", "Head End System", and "MMS (Meter Data System)". The diagram shows a central "MMS" box connected to "Smart Meters" and "Head End Systems". Below this, there are "Data Centers" and "Network" components. The bottom part of the slide is labeled "LIFE CYCLE" and includes "Installation", "Operation", and "Maintenance". The slide is mirrored in the meeting window.

This screenshot shows a Google Meet window with a grid of participants. The time is 6:09 PM. The participants visible are: Anshree Ray, Dr. Subhas Malherjee, Nandita Senapati, Anirba Ghosh, Deb Shekhar Laha, SOMENATH ROYCHOUDHURY (with a message "SOMENATH ROYCHOUDHURY has left the meeting"), Sudipta Chakraborty, and Goutam Ghosh. The window title is "Updated session Day 4-FDP on Emerging".

This screenshot shows a Google Meet window with a grid of participants. The time is 6:09 PM. The participants visible are: Anshree Ray, Anirba Ghosh, Nandita Senapati, Deb Shekhar Laha, Kalyan Adhikary (with a message "Kalyan Adhikary has left the meeting"), and Rajan Chatterjee. The window title is "Updated session Day 4-FDP on Emerging".

This screenshot shows a Google Meet window with a grid of participants. The time is 5:24 PM. The participants visible are: Sumita Dey, Anshree Ray, Nandita Senapati, Binjana Goswami, Subhasish Das, Deb Shekhar Laha, Vajra Hood, SRINAMAPRVA CHOWDHURY, and Anirba Ghosh. The window title is "Meet - Day 5-FDP on Emerging".