



**INTERNATIONAL SOCIETY OF AUTOMATION**



**ISA DELHI SECTION**

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**YEAR 2020-2021 | ISSUE NO. 1**

# **ISA(D) NEWSLETTER**

**ISA Delhi Section have been formed more than 20 years ago and has progressed very well since then with more and more members added every year.**

**Member of ISA(D) are part of Automation fraternity from various Industries varying from Petroleum , Petrochemical, Power , Cement, Pharmaceutical and Steel.**

**ISA(D) Vision is to facilitate members with unbiased automation information without any compromise in quality and standards.**

- **Maximize the effectiveness of automation professionals.**
- **Latest automated modus operandi at par with today's world.**
- **Easier access to information.**
- **Faster speed to market.**
- **More emphasis on practical application issues.**
- **Better overall content**
- **More research based decisions**
- **Advance the science and technology of automation.**



## ISA DELHI SECTION

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### From the Desk of President:-

Through ISA, we aim to expand adoption & impact of this new technology by creating a space where ideas, thoughts, and conversations can come together to pave the way for a fully automated enterprise of future.

A tomorrow where automation helps drives community & greater good, enables human endeavour, and accelerates human achievement.

As we speak, automation is creating value and scalability by working with humans to truly reboot work and create an impact. Every day people are achieving new feats with the assistance of machines that help them focus on creativity & innovation.

In this fast-paced environment, it is critical to collaborate and co create future of this industry – our collective efforts towards wisdom sharing and seeking can help in ways still unknown to us. The doors we open today will enable individuals and enterprises alike to realize their true potential with automation.

It is automation and improvised technology only which has provided all the professionals a way out and to deliver results even during the Pandemic Situation.



**Mr. Sanjay Raizada**  
(Hon President - ISA Delhi Section)

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### From the Desk of Secretary:-

While pre-empting global changes and moving forward in our pursuit of growth, we as a society at ISA(D) always pay particular attention at imparting best of automation knowledge and introduction of new standards and technology which bring in better safety and security. Monitoring and maintenance of your production applications, assets and Operational Technology Infrastructure is of paramount importance to minimize risk and maximize productivity.

Even during the pandemic situation ISA(D) strived to achieve all its goals and subscribed to professional virtual meeting platform WEBEX and transforming ISA(D) into a digital organization to prevent disruption in any activities of section like conducting the webinars, virtual conferences and monthly meets to share knowledge , experiences and getting updated with latest industrial standards.

I would like to thank all the dignitaries, participants, Committee members, executive committee members and all others who supported & contributed in making ISA Delhi Section a successful automation society and amid Covid19 pandemic challenges, mission & targets were accomplished by ISA(D) by delivering application case studies from industry leaders fulfilling professionals' quest. Membership strength was maintained and increased even during these times.



**Mr. Somnath Kundu**  
(Hon Secretary - ISA Delhi Section)

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# INTERNATIONAL SOCIETY OF AUTOMATION

## ISA DELHI SECTION

### ANNUAL GENERAL MEETING 2020-2021

After a successful year 2019-2020, Annual General Body meeting was held virtually on 10th May 2020 wherein new ISA(D) Executive Committee members were elected.

The meeting initiated with welcome address by Mr. Amit Singh, Secretary ISA(D) 2019-2020 and provided a snapshot of all the activities/seminars/technical talks held the year 2019-2020, followed by Mr. Amit Aggarwal, Treasurer ISA(D) 2019-2020 providing brief about the financial standing of ISA(D).

Ms. R. Priyamvada, President,ISA(D) 2019-2020, congratulated and handed over the charge to the new executive committee led by new President Mr. Sanjay Raizada, President Elect Mr. Sushil Kumar, Secretary Mr. Somnath Kundu and Treasurer Mr. Arun Gupta.

#### SNAPSHOTS OF AGM HELD ONLINE DURING COVID -19 PANDEMIC





GLIMPSES OF THE EVENTS CONDUCTED BY ISA(D) DURING THE YEAR 2020-2021

ISA, Delhi Section organized Technical Meets which were held Virtually during the COVID-19 period. The Technical meet showcased various aspects related to new technology, cyber security, advanced machinery, wireless sensors etc.

1. TOPIC : HIGH PERFORMANCE ZERO LEKAGE TRIPLE OFFSET CONTROL VALVE
PRESENTER :MR. TOM FIRLEFYN
DATE : 28TH MAY 2020

2. TOPIC : BULK SOLID FLOW MEASUREMENT
PRESENTER : MR. JENS BORNHOFT
DATE : 29TH MAY 2020

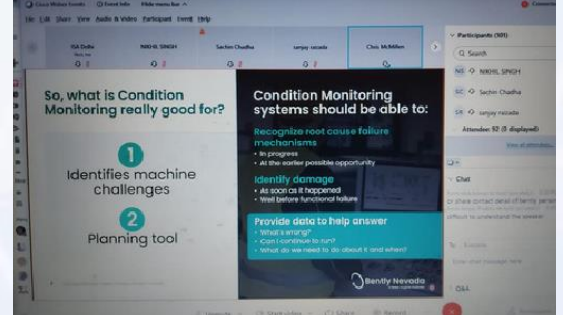
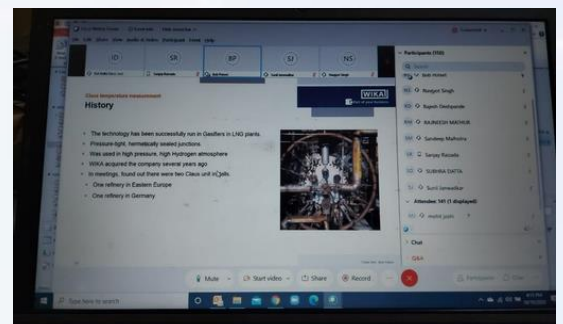
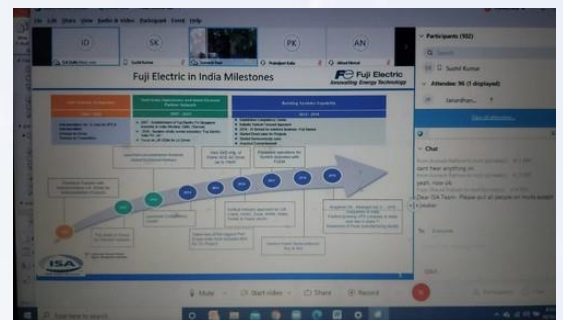
3. TOPIC : ENGINEERING ASPECTS FOR OIL & GAS, CHEMICAL, PROCESS INDUSTRY USING ENGINEERIG BASE (EB) A TRUE 2D ENGINEERING PLATFORM
PRESENTER : MR. POURIA BIGVAND
DATE : 17TH JUNE 2020

4. TOPIC : IMPROVISING OF CYBER SECURITY POSTURE & COMPLIANCES IN THE EARA OF DIGITALIZATION AND PANDEMIC
PRESENTER : MR. SOME NATH KUNDU
MR. AMIT KUMAR SINGH
DATE : 24TH JULY 2020

5. TOPIC : FLUKE PROCESS TOOLS FOR BETTER PRODUCTIVITY
PRESENTER :MR. VINOVELAYUDHAN
MR. PRABHAKARAN PV
DATE : 1ST AUGUST 2020

6. TOPIC : CHOOSING WIRELESS SENSOR NETWORK TECHNOLOGY FOR YOUR PLANT
PRESENTER : MR. JONAS BERGE
DATE : 26TH SEPT 2020

7. TOPIC : BASIC TO ADVANCED MACHINERY PROTECTION SYSTEM FOR ROTATING MACHINES
PRESENTER : MR. MUKESH VYAS
DATE : 3RD OCT 2020





GLIMPSES OF THE EVENTS CONDUCTED BY ISA(D) DURING THE YEAR 2020-2021

8. TOPIC : 1.CLAUS UNITS (SRU) WITH NO PURGE REQUIRED, A REAL BREAKTHROUGH TO LENGTHEN LIFE AND REDUCE COST 2.REVOLUTIONS IN FURNACE/HEATER TUBESKIN MEASUREMENT COMING FROM OUR STATE OF THE ART AND R&D FACILITY PRESENTER : MR. BOB PATEET DATE : 10TH OCT 2020

9. TOPIC : AN INTRODUCTION TO INDUSTRIAL UPS, DRIVES, INSTRUMENTATION AND AUTOMATION PRESENTER : MR. ALFRED NIRMAL MR. PRABALJEET KALIA MR. SANJEEV CHAKRABORTY DATE : 16TH OCT 2020

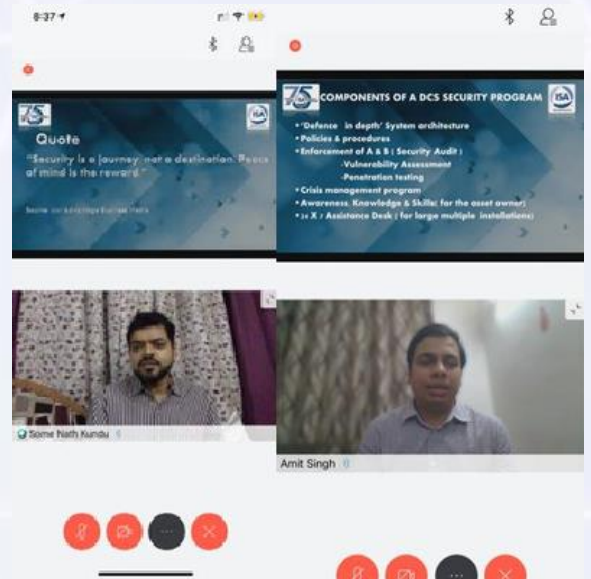
10. TOPIC : INTRODUCTION TO ENCLOSURES, POWER DISTRIBUTION, CLIMATE CONTROL & IT INFRASTRUCTURE PRESENTER : MR. ABHINAV GURKHOO DATE : 30TH OCT 2020

11. TOPIC : ORBIT 60 – INTRODUCTION, DEPLOYMENT COST SAVINGS AND KEY FEATURES PRESENTER : MR. DARREN EVANS DATE : 4TH NOV 2020

12. TOPIC : LEVERAGE THE INTERNET OF THINGS (IoT) TO IMPROVE UPTIME, PRODUCTIVITY AND SAFETY IN YOUR PLANT PRESENTER : MR. CHRIS MILLEN DATE : 5TH NOV 2020

13. TOPIC : TOUGHEST CONTROL VALVE IN THE WORLD PRESENTER : MR. NATHAN PERROTT MR. RAJAT GOYAL DATE : 6TH NOV 2020

14. TOPIC : SIL – RATED MACHINE PROTECTION AND ASSET PERFORMANCE MANAGEMENT IN AN INTEGRATED IoT ENVIRONMENT PRESENTER : MR. EIKE DREWES DATE : 27TH NOV 2020





# INTERNATIONAL SOCIETY OF AUTOMATION

## ISA DELHI SECTION

### GLIMPSES OF THE STUDENT SECTION ACTIVITIES BY ISA(D)

ISA Student Membership provides various ways to gain knowledge and be a part of Automation fraternity to learn and gain from the experiences of others.

This year even amid COVID-19, ISA(D) not only conducted various online seminars for the student chapters but also arranged for various certification programs which helped students to interact with Industry professionals on one to one conversation and understanding the importance of technology and innovation.

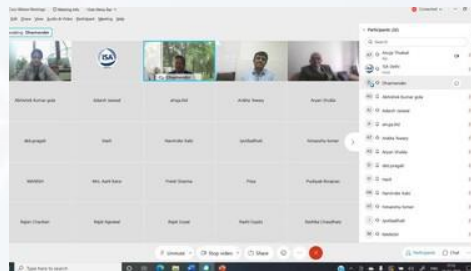
Some of the events are listed below:

**TOPIC : THINKING INSIDE OUT – A DIGITAL TO ANALOG APPROACH TO PROBLEM SOLVING**  
**PRESENTER : MR. ALOKSHRIVASTAVA**  
**DATE : 19TH SEPT 2020**

Mr. Alok Shrivastava described students about the approach with which they have to move forward as an instrumentation engineer with description of a Power Plant automation.

**TOPIC : OPPORTUNITIES FOR STUDENT IN AUTOMATION INDUSTRY**  
**PRESENTER : MR. RAJIV GUPTA , MR. DHARMENDER SINGHAL & MR. MANISH KUMAR**  
**DATE : 16th JAN 2021**

Seminar for the students provided them with insight on opportunities in Instrumentation sector. Mr. Rajiv Gupta guided students about the general skills required in the Instrumentation field to handle all the aspects of a plant wherein the instruments are deployed. Mr. Dharmender Singhal described about the aspects of technology innovation needed to bring in safety and control in Plant automation. Further the prospects of Engineering and Engineers in every field related to plant automation like cable, field instruments, Panel industry was very well described by Mr. Manish Kumar with a virtual video tour of a Factory wherein Automation Panels are manufactured.



**CERTIFICATE PROGRAM HELD BY ISA(D) FOR STUDENTS ON TOPIC: FUNDAMENTALS OF PROCESS FIELD INSTRUMENTS-  
PRESSURE, TEMPERATURE AND LEVEL**  
**PRESENTER : MR. AUMKAR NAVARE, MR. SUMANT JUVEKAR**  
**DATE : 6-7TH NOV 2020**

This certificate program provided insight into the field instruments used in process industries and also imparted in-depth knowledge to students about the uses and technology used in these instrument connecting to their basics of engineering.

ISA(D) also added various college chapters this year :

- Thapar University
- ABES College
- MIT Jaipur

\*Yet to be chartered, however, documents submitted



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**LEADERSHIP DEVELOPMENT MEET 2020 IN JIM CORBETT**



**ISA(D) Organized a Leadership development meet in JIM CORBETT wherein various young leaders emerged for new responsibilities.**



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During leadership development meet in Jim Corbett, our executive senior members Mr. Rajiv Gupta , Mr. Alok Shrivastava and Mr. Sushil Kumar provided a roadmap to young leaders on steps to move ahead ISA(D) and motivated the leaders in indulging in various automation activities, technical seminars and introducing new technology on the platform. Guidelines were also provided for conducting certificate program for students and members.

ISA(D) is one of the most prominent section in ISA District 14 and in addition to imparting automation knowledge, we also believe in philanthropic activities like contribution of Rs 5,00,000.00 during COVID-19 in Prime Minister COVID Fund and standing with the nation during unforeseen scenarios.

### UPCOMING EVENTS BY ISA(D) (TENTATIVE IN MONTH OF JULY)

- DISTRICT LEVEL MEET TO BE CONDUCTED BY ISA(D)
- ANNUAL GENERAL MEETING
- PPA MEET

**Editor: Mr. Rajat Goyal**

**For Further Information:**

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