



NEWSLETTER
YEAR 2024-2025 VOL.2



From President's Desk

From Secretary's Desk

ISADCS 2024 - ISA Delhi Section Cybersecurity Symposium 2024

Monthly Technical Meet –

- Optical-Based TDLAS and Raman Technologies in the Hydrocarbon Industry.
- Online Sulphur Analysis & CEMS Technology in Oil & Gas Industry
- Operational Technology - Security Operation Centre, Deconstructing their role in refineries.

Student Section Activities

Welcoming New Members (Jul - Sep 2024)

Condolences to Col. (Dr.) Inderjit Singh



✍ From the desk of President ...

Greetings!

As the President of the International Society of Automation (ISA) Delhi Section, it has been a remarkable journey to witness the growth and impact our initiatives have achieved in recent months. Under your guidance and my leadership, we have successfully organized a series of technical sessions, a critical cyber security meet, contributing significantly to our stakeholders and the broader society.



Our recent technical sessions have been instrumental in fostering a robust dialogue among industry leaders, engineers, and students. By addressing cutting-edge topics in automation, these sessions have provided valuable insights into the latest technological advancements and industry trends. The interactive nature of the sessions allowed participants to engage with experts, enhancing their understanding and application of these technologies in real-world scenarios. As a result, the sessions have strengthened the technical acumen of our community and empowered our members to drive innovation within their respective organizations.

In response to the growing challenges posed by cyber threats, the ISA Delhi Section organized an impactful cybersecurity meet. This event brought together experts to discuss the implementation of robust cybersecurity measures in industrial automation settings. By highlighting the best practices and showcasing successful case studies, the meet equipped stakeholders with practical solutions to safeguard their systems. Our emphasis on cybersecurity aims to protect critical infrastructure and ensure that our members remain at the forefront of securing their operational environments against potential threats.

Our initiatives have had a profound impact on the community by bridging the gap between academia and industry, nurturing future leaders in automation, and enhancing the professional development of our members. By fostering a spirit of collaboration and knowledge-sharing, we continue to empower individuals and organizations to achieve excellence in automation practices.

In conclusion, the vibrant and dynamic activities of the ISA Delhi Section under my presidency and most importantly your support have greatly benefited our stakeholders and society. Our commitment to advancing automation, promoting security, and ensuring safety underscores our dedication to leading the way in industrial innovation. We look forward to building on this momentum and continuing to drive positive change within the automation community.

Wishing you all a happy, prosperous and Safe Diwali!

Warm regards,

Sanjeev Sharma
Hon President, ISA Delhi Section



✍ From the desk of Secretary ...

It gives me great pleasure to present the 2nd Issue of our Quarterly Newsletter for July-September 2024.

This period's highlight was our flagship event, the Cybersecurity Conference ISADCS 2024. We successfully brought together Senior Government Officials, end users, consultants, system integrators, EPCs, and OEMs from various industry segments. On behalf of our executive committee, I extend my gratitude to all dignitaries, presenters, participants, exhibitors, and sponsors for their invaluable contributions to the success of ISADCS 2024.



We continue to actively engage with our student sections, and this newsletter includes a special segment detailing these activities. The enthusiasm from our student community has been truly inspiring.

We are excited to announce that we are expanding our focus to include Green Hydrogen, Renewable energy, Building Management Systems, AI/ML, and sustainability industries within ISA Delhi Section. In line with this, our upcoming One-Day Conference in December 2024 will concentrate on cutting-edge advancements and challenges in these areas for Indian process and manufacturing industries, featuring thought leaders and experts from around the globe. This will be the very first time that ISA Delhi Section is going to organize a conference on these topics.

The overwhelming support and positive response we have received are incredibly encouraging. We are committed to building on this momentum, continually enhancing our offerings and engaging with a broader audience.

Thank you for your continued support and participation. Together, we can drive innovation and excellence in our industry.

Wishing you all a happy and prosperous Diwali!

Warm regards,

Some Nath Kundu
Hon. Secretary, ISA Delhi Section



ISADCS 2024 - ISA Delhi Section Cybersecurity Symposium 2024

ISA Delhi Section conducted a Two Day conference cum Exhibition with a focus to deliberate on the Cybersecurity technology for Indian Authorities, End users and Manufacturing Industries. This prestigious event convened leading experts and thought leaders from across the world to share the latest insights on this critical theme covering Cybersecurity, Privacy, Data Protection, AI Directives and Regulations by National Authorities, Government Entity and End User perspectives, Special Sessions on Women in Cyber Security, IT and OT convergence, Ransomware and Malware along with Technology Solutions Strategic and Tactical enhancements required w.r.t the evolution of Geopolitical Developments, India's need for Data Privacy, Data control, Data localization, Policies & Framework, Acts & Presence in International Standards & Consortiums and creating standards.

Glimpses of Day 1





Glimpses of Day 2





Monthly Meet M/s Endress+Hauser (India) Pvt. Ltd – 9th August 2024.

ISA Delhi Section Monthly Meet was conducted at Mirza Ghalib Chamber, Scope Convention Centre, on 9th August 2024, on the topic Optical-Based TDLAS and Raman Technologies in the Hydrocarbon Industry by M/s Endress+Hauser (India) Pvt. Ltd. The esteemed speakers shared their expertise, using Case studies on the very popular topic of Analyzers.

The session was a true celebration of collaborative learning and growth. The esteemed speakers shared their expertise, using innovative presentation of storytelling with videos of a very popular topic. The presentation sparked thought-provoking conversations that left the audience inspired.

The monthly Meet was followed by Networking Dinner.

Glimpses of the event





Monthly Meet M/s Thermo Fisher Scientific Ltd – 26th August 2024.

ISA Delhi Section Monthly Meet was conducted at Mirza Ghalib Chamber, Scope Convention Centre, on 26th August 2024, on the topic Online Sulphur Analysis & CEMS Technology in Oil & Gas Industry by M/s Thermo Fisher Scientific Ltd. From engaging discussions to thought-provoking Q&A sessions, the session was a true celebration of collaborative learning and growth.

The session was a true celebration of collaborative learning and growth. The esteemed speakers shared their expertise, using innovative presentation of storytelling with videos of a very popular topic. The presentation sparked thought-provoking conversations that left the audience inspired.

The monthly Meet was followed by Networking Dinner.

Glimpses of the event





Monthly Meet M/s Renewa Vision, M/s Inspira and M/s Nozomi – 6th Sep 2024.

ISA Delhi Section Monthly Meet was conducted at Mirza Ghalib Chamber, Scope Convention Centre, on 26th August 2024, on the topic Operational Technology - Security Operation Centre, deconstructing their role in refineries M/s Renewa Vision, M/s Inspira and M/s Nozomi. From engaging discussions to thought-provoking Q&A sessions, the session was a true celebration of collaborative learning and growth.

The session was a true celebration of collaborative learning and growth. The esteemed speakers shared their expertise, using innovative presentation of storytelling with videos of a very popular topic. The presentation sparked thought-provoking conversations that left the audience inspired.

We are grateful to Mr Manish Grover Executive Director (strategic IS & IS), refinery HQ, Indian Oil Corporation Limited for gracing the event with his presence and sharing his valuable knowledge.

The monthly Meet was followed by Networking Dinner.

Glimpses of the event



JSS MAHAVIDYAPEETHA - JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA

Event: Indian Automation Games.

Date: 20th Sep to 21st Sep 2024.

Number of Students Participated: 3.

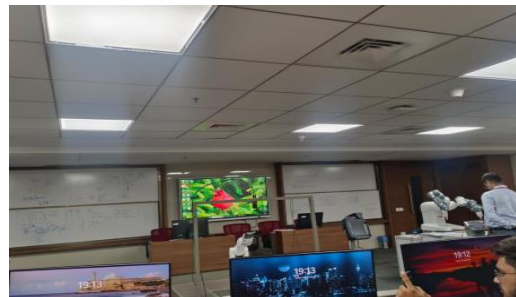
Objective: The primary goal is to make students understand the need for challenges thrown at them and come up with solutions to those challenges. How to handle pressure in and complete the tasks within minimum time limit. Increase network connectivity among fellow candidates.

The India Automation Games (IAG) is an annual event that unites students, industry professionals, and enthusiasts to explore the vast world of automation. The event features a series of challenges designed to test participants' knowledge and skills in various fields, including PLC programming, robotics, pneumatics, hydraulics, and automation system design. Participants compete for prestigious awards and gain the opportunity to network with industry leaders. The event fosters innovation, creativity, and hands-on learning among young engineers and provides a platform for idea exchange, collaboration, and learning from peers and experts.

Challenge 1: PLC and Sensorics Challenge

Participants were introduced to the fundamentals of Programmable Logic Controllers (PLC) and Sensorics.

Problem Statement: Design and implement a PLC program for a conveyor belt system. The program should use a timer to control the motor's operation, ensuring the correct positioning of products on the conveyor before they advance to the next station in the production line.



Challenge 2: Robotics Challenge

Participants were trained in operating a 6-axis robotic arm, learning key concepts such as path planning and point coordination.

Problem Statement: Utilize the robotic arm to accurately draw a predefined shape within a specified timeframe.



Challenge 3: LabVIEW Challenge

Participants were introduced to the fundamentals of state-space representation and control systems.

Problem Statement: Design and simulate an aircraft control system using an LQR controller in Simulink to achieve stable control within a specified timeframe.



Challenge 4: Pneumatics Challenge

Participants explored the basics of pneumatic components and their operations. They were tasked with operating pressure-based devices and completing the assigned task within the given time.



Challenge 5: Hydraulics Challenge

In this challenge, participants were introduced to hydraulic systems and given the task of manipulating industrial instruments to achieve specified outputs.



Closing Ceremony

The event concluded with a formal closing ceremony, during which participants reflected on the event's highlights, achievements, and future plans. Certificates of participation were awarded to all participants, followed by a cultural program celebrating the spirit of automation and teamwork.

Students Participated

1. Anuj Pandey (3rd Year)
2. Yuvraj Singh (3rd Year)
3. Sudhanshu Sharma (2nd Year)





ISA DELHI WELCOMES OUR NEWEST MEMBERS

It is with great pleasure that we extend a warm welcome to the newest members of our ISA Delhi Section. Your presence enriches our association, and we are excited to see the unique perspectives and contributions you will bring to our Section.

To help you get started and make the most of your membership, here are a few tips:

- 1. Explore Our Resources:** Take some time to browse through ISA Delhi website and familiarize yourself with the various resources available.
- 2. Connect with Fellow Members:** Join ISA Connect where you connect with fellow members, engage in discussions, and forge new professional relationships.
- 3. Attend Events and Meetings:** Keep an eye on our upcoming events and meetings. These are excellent opportunities to network, learn, and collaborate with other members who share your interests.
- 4. Reach Out for Support:** Don't hesitate to contact our ISA Delhi members if you have any questions, need assistance, or have suggestions to share.

Once again, a heartfelt welcome to each of you. We are eager to witness the positive impact you'll make within our association. Together, we can achieve extraordinary things!

New Members for the period July to September 2024

1	Mr. Sanjay Kumar Naryal	10	Mr. Naveen Kumar Sharma
2	Mr. Neel Mahesh Gupta	11	Mr. Anuj Kumar Sharma
3	Mr. Sandeep Sharma	12	Mr. Atindra Chandel
4	Mr. Dileep Gupta	13	Mr. Atul Chhibbar
5	Mr. Kushal Sharma	14	Mr. Gaurav Shushant
6	Mr. Mukesh Chejara	15	Mr. Vibhu Saini
7	Mr. Raj Kumar Moria	16	Mr. Jayantilal Sharma
8	Mr. Gunjan Agarwal	17	Mr. Vikram Satish
9	Mr. Milind Pawagi	18	Mr. Rudraksh

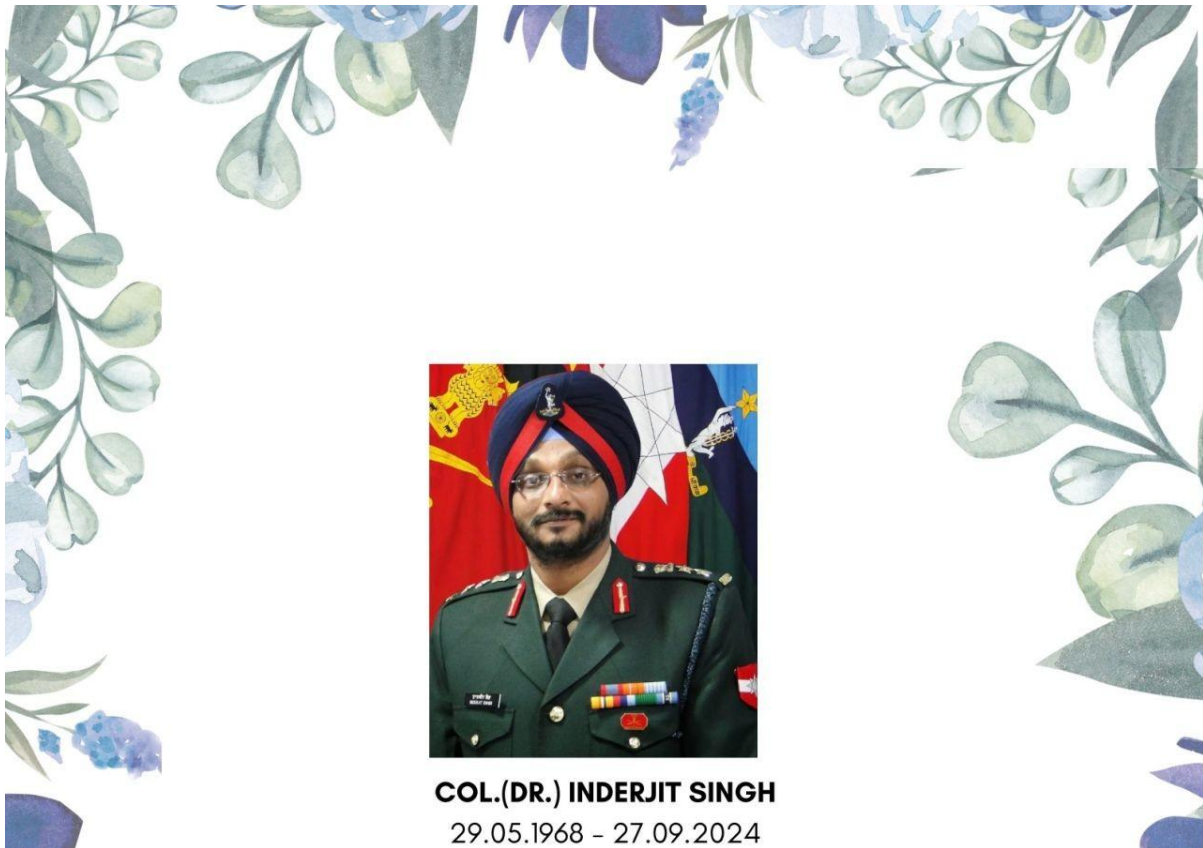


ISA offers Condolences to Col. (Dr.) Inderjit Singh

It is with profound sadness and a heavy heart that the ISA Delhi Section mourns the sudden loss of our esteemed colleague, Col (Dr.) Inderjit Singh. He was a beacon of inspiration, kindness, a defiant soldier and an eminent cyber specialist and unwavering support to everyone who knew him. Col Dr. Inderjit Singh was renowned for pioneering advancements in cybersecurity and demonstrating extraordinary leadership in the tech community. His work not only fortified digital landscapes but also inspired a generation of technologists. His passion for life, infectious smile, and compassionate heart left a lasting impact that words cannot capture. Col. Singh collapsed while doing what he loved most - sharing his knowledge and elevating others during a cybersecurity event. His commitment to educating and building resilient warriors in the fight against cyber threats will forever be remembered.

We, ISA Delhi Section, were fortunate to have collaborated with him on several events where his insights left an indelible mark. His sudden departure leaves a void in our community.

We extend our deepest condolences to his family and friends during this difficult time. His spirit and contributions will forever be honored in our work.



COL.(DR.) INDERJIT SINGH
29.05.1968 - 27.09.2024



Upcoming Event of ISA Delhi Section

One-Day Conference in December 2024 on cutting-edge advancements and challenges in Green Hydrogen, Renewable energy, Building Management Systems, AI/ML, and sustainability for Indian process and manufacturing industries.

All members are cordially invited to the upcoming event and mark the dates in their calendar to make their presence and upskill themselves.

Appeal from ISA Delhi Section

All members, sponsors, technical experts are invited to contribute in making this quarterly newsletter more informative by sharing their technical expertise in the form of technical literature on the latest Technology for the next quarter's newsletter.

Ask the Editor

For Technical queries to be answered by experts and/or any suggestions for improvement, please contact our editorial board comprising: -

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