

ISA PUNE NEWSLETTER

SUCCESS!



**ISA/IEC62443
Cybersecurity
Certificate Program**
Organized by ISA Pune Section
5th-9th July, 2021





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Certificate 1 Certificate 2 Certificate 3 Certificate 4 Expert

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Message from the President

by H.S. Pansare



We had an exciting first quarter. We saw a whopping 85% growth in Section Membership by end of August, and ISA Pune also won the global #MustardMemberChallenge Award of \$500, which was an initiative by Steve Mustard, ISA President. We also achieved our Section's yearly Target of 100 Professional Members within the first five months itself! I heartily welcome all new members to ISA Pune Section and congratulate to Team ISA Pune, keep it up!

We organized 4 Tech Talks and promoted webinars of other sections of ISA District 14. Overall, more than 1000 professionals and students have attended our Tech Talks. We were the supporting partner at the Embedded Safety & Security Summit (ESSS) event held in June by LDRA..

Our ISA/IEC Cybersecurity Certificate Program was a great success, with 17 participants all over India. The training was provided by certified Cybersecurity Trainers from ISA Europe and kudos to Mr. Vijay Jaju, Training Chair for organizing and executing this project. More in this issue.

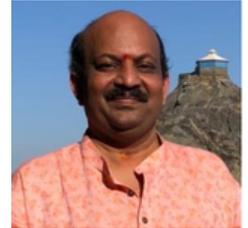
I heartily welcome Student Section of COEP, Pune with 27 student members. ISAP guides colleges in forming new Student Sections, award nominations, projects and internships. 5 students from VIT Student Section were awarded Education Division scholarships worth \$16800!

This and more in this issue ... **HAPPY READING!**

BREAKING!!! ISA PUNE WINS THE #MUSTARDMEMBERCHALLENGE

Ravi Maknikar - Membership Chair

ISA Pune Section achieved an unprecedented growth recorded in this quarter! Here is a message received from ISA HQ notifying that ISA Pune Section has won the #MustardMemberChallenge for 10% membership growth! We rose to the challenge by surpassing the goal by a whopping 40% growth by end of July to win this challenge and a handsome \$500 cash prize! Kudos to everyone who worked on this! Here's ISA HQ's email bringing us the good news:



ISA Pune Tech Talk & Events Updates

Shridhar Kulkarni - Programme Chair



ISAP organized 4 webinars and supported 1 Conference event since this April. We were Supporting Partner at the Embedded Safety & Security Summit (ESSS) virtual event by LDRA on June 17, 2021. It covered emerging trends, best practices, deep dive technical & practical examples to empower the development of safe and secure embedded systems

. April's Tech Talk was by Mr. Vijay Jaju on “**Project Instrumentation-Right First Time**”, and covered project planning and implementation practices to ensure commissioning is done Right First Time.

May's Tech-Talk was given by Mr. R. Unnikrishnan of Pepperl & Fuchs on “**Explosion Protection Technique and Technologies**” and covered concept of Ex-Proof areas, classifications, methods and applications.

June Tech Talk was by Mr. Vishwas Kale and covered “**Temperature Measurements - Missed Issues**” and was about understanding the basic concepts related to temperature measurement, challenges in plants and ways to overcome it.

July's Tech Talk was by Mr. Manoj Nair of R. K. Control Instruments wherein he dealt with “**Sizing and Selection of Control Valves**” related to valve selection, sizing and control modes, and a demonstration of their sizing and selection software.

ISA Pune Section's Tech Talks have consistently attracted 300-400+ registrations and active participation of 250 delegates for the events! ISAP's initiative is to promote Tech Talks by ISA Pune Professional Members and we invite you all to showcase your technical expertise through this event to the community. Write us at isa.punesection@gmail.com with a topic and a synopsis, to select **YOUR Tech talk next month!**

CYBERSECURITY TRAINING PROGRAM: A SUCCESS STORY

Vijay Jaju - Training Chair



EMBRACE THE OBSTACLES!
BUILD THE RESILIENCE!!
LIVE A PURPOSEFUL LIFE!!!

ISA Pune Section successfully conducted ISA/IEC 62443 standard based training from 5th July to 9th July 2021.

Training comprised of two modules:

IC32 IN : Fundamental Specialist, Standards to Secure Your Control Systems (2 days)

IC33 IN : Cybersecurity Risk Assessment specialist, Risk Assessment of New or Existing IACS Systems (3 days)

17 participants took part in the Certificate Course in the online training -VILT (Virtual Instructor led Training), where it is conducted from our studio at ISA-Europe and students can join from home/office. Participants were professionals from Oil and Gas, Energy, Education and Manufacturing Industry Sectors. The USP of ISA training is that it offers non-biased Training by ISA Industry Experts and Certified Trainers to achieve maximum productivity. Candidates who successfully complete the course appear for the exam conducted by M/s Scantron within six months and receive their certificate on clearing the exam.

The 2021 IC32 + IC33 Cybersecurity Certificate Course had an overwhelming industry response and became a good success story as the Training Batch became full. ISA Pune team designed and developed an Impressive Cybersecurity Brochure. This was developed inhouse and it had salient features of the course. Also, entire team helped in marketing this course through this Newsletter, LinkedIn, Facebook, Emails, ISA Connect, ISA Pune Website and of course full participation from team members! This course provided a detailed look at how the ISA/IEC62443 standards can be used to protect the critical control systems.

The Course also explored the procedural and technical differences between the security for traditional IT environments and those solutions appropriate for SCADA or plant floor environments.

Courses to reach to Cybersecurity Expert Level :

In addition to IC32 and IC33 there are two more courses.

IC 34 IACS Cyber security Design and Implementation

IC 37 IACS Cyber security Operations and Maintenance.

One reaches to Cybersecurity Expert level after completing above four courses and clearing certificate examination.

This Space could be yours! *Reach out to 5000 potential readers of our Newsletter! Contact us for placing your advertisement here. Could be an announcement, a product or service ad or a launch!*

DIVISION INPUTS

Dileep Misikin - Section Division Liaison Chair - ISA Pune Section



As Section Division Liaison chair from Pune Section I would like to contribute some details in every issue of Newsletter. The first edition of the contribution here I bring the details of the various Divisions in ISA where each member can register for all divisions as member at no cost & some details of the focused division activity by me on behalf of Pune Section ie CHEMPID division.

Chemical and Petroleum Industries Division (CHEMPID):

The Chemical & Petroleum Industries Division (also known as ChemPID) is organized within the Industry and Sciences Department of ISA. ChemPID aims to contribute to the professional involved in the processing of chemicals, petrochemicals, petroleum, and natural gas.

From raw materials to products ChemPID strives to advance best practices in: Safety, Environmental, Production Efficiency, Operations, Process Control, and Automation.

With global competition no operation can run the same year after year. Your plant is either improving or declining. ChemPID is here to give you the tools you need to improve your plant!

Have you ever wondered if someone else has already figured it out? Why re-invent the wheel? The key to success is to capitalize on problems that have already been solved and focus your engineering talent on problems that require innovation.

Various activities such as webinars, Virtual conferences, Periodic Newsletters, Discussions Forums, Blogs from Division leaders etc are covered in this division. Watch the Section page on LinkedIn, Facebook, ISA Pune Section webpage for various activities in coming months.

Happy reading....

See you next time then !!!

| Sr no | Name of the Division |
|-------|--|
| 1 | Aerospace & TMD |
| 2 | Analysis Division |
| 3 | ACARD |
| 4 | Automation Project Mgt & Delivery Division |
| 5 | Building Automation Systems Division |
| 6 | CHEMPID |
| 7 | Communication Division |
| 8 | Construction & Design Division |
| 9 | Education and Research Division |
| 10 | Food and Pharma Industry Division |
| 11 | Mining and Metals |
| 12 | PMCD- Process Meas. & Control |
| 13 | POWER INDUSTRY |
| 14 | Pulp and Paper Industry Division |
| 15 | Safety and Security |
| 16 | Smart Manufacturing and IIOT |
| 17 | Water and Waste Water Division |

Happy to help! ISA Pune Section can help with Internships, Job Offers, Expert Advice, Short Term Project Assignments, Application Knowledge, Training, Certification etc. Write to us at isa.punesection@gmail.com

INTECH DIGITAL MAGAZINE

Gurmeet S. Anand - Newsletter Editor & Treasurer, ISA Pune Section



As an ISA Member, you are entitled to receive ISA's Monthly Magazine INTECH which is highly popular among Automation Professionals as it carries indepth articles on latest trends, technologies and applications in the field of Industrial Automation, Control, IIoT, AI/ML, Robotics and much more. The magazine is delivered at your registered postal address in your ISA profile in physical form, or you can conveniently access it in its digital avatar on ISA.org at:

<https://intechdigital.isa.org/publication/?m=60495&l=1>

The graphic below shows this month's issue cover and topics. Happy reading!



All the top stories covered in this issue:

- Digital Twins Enable the Autonomous Paper Mill**
Creating dynamic process models for individual areas of a world-class kraft pulp mill.
- Machine Modularity Addresses Mass Customization**
Modular design principles applied to connector products can provide OEMs with scalability.
- Reduce Energy Costs by Measuring Power Quality**
Energy-saving studies can find waste related to the effects of harmonics and unbalance.
- From Alarm Floods to 'Highly Protected' Status**
The Solvay Novacare chemical plant tackled an alarm management overall based on ISA-18.2.

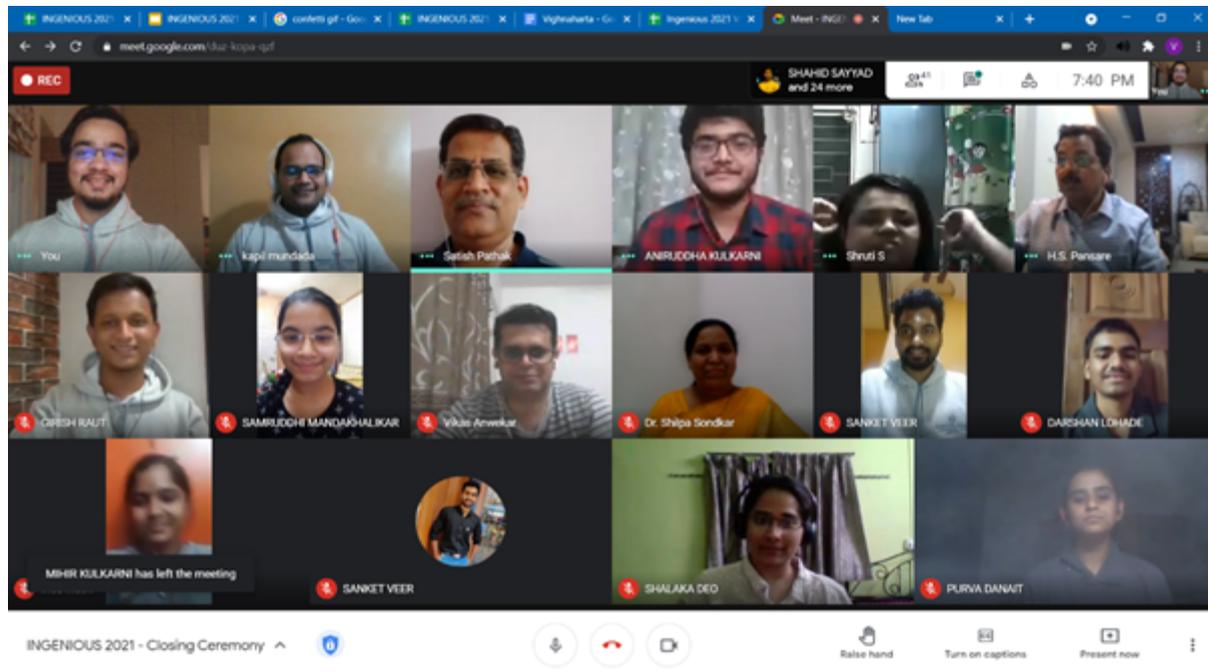
SHARE THE POWER OF OUR AUTOMATION COMMUNITY!



To celebrate one year since launching ISA Connect, we are opening the technical forum to non-members for a short time. Let your colleagues know that, during the month of September, they too can experience the power of having the automation community at their fingertips. This is a great time to ensure ISA Connect is extra active with discussions related to your Division! We will be promoting membership to all those who take part in this free trial. New members in ISA means new members for our Division!

INGENIOUS 2021 – Virtual Hackathon

Prof. Kapil Mundada - ISA Pune Student Section Liaison Chair



ISA VIT Pune Student Section hosted its flagship event INGENIOUS 2021 - Virtual Hackathon. Two months of hectic planning and hard work went into hosting this event on a national scale, which was a grand success. Brilliant college teams participated from across India in this event, 45 in all, from Maharashtra, Karnataka, Delhi, etc. After the first evaluation round, 30 teams qualified for Round 2, after which 20 teams contested for the top three positions. Participants tested on key factors such as innovation index, project execution and were evaluated by professors and leading industry experts Mr. HS Pansare, Mr. Vikas Anwekar, Mr. Satish Pathak, Mr. Vinod Joshi, Prof. Shripad Bhatlawande, Prof. Swati Shilaskar, Mrs. Shruti Sakorikar and Mr. Ravi Maknikar.

Various domains of the Hackathon were robotic and process automation, Internet of Things, Vision based systems, Data science and Augmented/virtual reality. Registrations and idea submission deadline was 15th May, then in Round 1, teams were evaluated based on their project ideas. Teams with innovative and novel project ideas were shortlisted for Round 2, which saw evaluation the basis proposed solution for their problem statement. The teams shortlisted in Round 2 competed in the Finale where they developed their ideas into working prototypes. The project time from start to end was span of 4 hours on 22nd May 2021, all done in-camera with recording to ensure fairplay. Finally, all did a project presentation to the judges in the evening to zero in on the Winner! The event was a great success, kudos to the organizing team, the faculty advisor Prof. Kapil Mundada and Prof. Dr. Shilpa Sondkar. for their guidance.

ISA Pune Section

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For Articles, Topics, Tech-Talks, Advt write us at
isa.punesection@gmail.com



www.isa-pune.org