



# Adi Shankara

## INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University  
Vidya Bharathi Nagar , Mattoor, Kalady, Ernakulam District, Kerala State Pin: 683574



## CRITERION 7 - INSTITUTIONAL VALUES

### AND BEST PRACTICES

#### 7.2 Best Practices



## International Society of Automation (ISA)



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## **International Society of Automation (ISA)**

The International Society of Automation (ISA) is a non-profit professional association founded in 1945 to create a better world through automation. ISA empowers the global automation community through standards and knowledge sharing, driving the advancement of individual careers and the overall profession. ISA develops widely used global standards; certifies professionals; provides education and training; publishes books and technical articles; hosts conferences and exhibits; and provides networking and career development programs for its members and customers around the world.

### **ISA Student Chapter at ASIET**

The primary objectives of ISA Student Section are:

1. **Education and Training:** The student section offers educational resources, workshops, seminars, and training programs to help students develop a strong foundation in automation and control systems. This can include technical presentations, guest lectures by industry professionals, and hands-on learning opportunities.
2. **Networking:** The student section facilitates networking opportunities for its members, allowing students to connect with fellow peers, professionals, and potential employers in the automation industry. Networking events, social gatherings, and industry visits are often organized to foster these connections.

3. Career Development: The student section assists students in exploring career paths within automation and provides guidance on internships, co-op programs, and job opportunities. They may organize career fairs, resume-building workshops, and mock interviews to help students prepare for their professional journey.

4. Competitions and Projects: ISA Student Sections often encourage participation in automation-related competitions, such as robotics challenges or control system design contests. These activities allow students to apply their knowledge and skills in practical scenarios, fostering creativity and problem-solving abilities.

5. Community Outreach: Many ISA Student Sections engage in outreach activities to promote automation and STEM (Science, Technology, Engineering, and Mathematics) education in local communities. They may organize workshops, demonstrations, or mentoring programs for younger students to inspire interest in automation and related fields.

6. Collaboration with Professionals: The student section collaborates with professionals from the main ISA organization and local industry to bridge the gap between academia and industry. This collaboration may involve joint events, mentorship programs, or access to professional resources.

The practice and uniqueness of an ISA Student Section in the context of higher education in India can vary based on the specific college or university and the prevailing circumstances. However, there are some common practices and limitations that can be considered:

#### Practice and Uniqueness:

1. Technical Competitions: ISA Student Sections in India often organize technical competitions, such as robotics challenges, automation design contests, or coding hackathons. These competitions provide students with hands-on experience, foster innovation, and allow them to showcase their skills and creativity.

2. Workshops and Training: ISA Student Sections often conduct workshops and training sessions focused on automation technologies, control systems, and related fields. These

sessions may include hands-on training with industry-standard software and equipment, thereby enhancing students' technical knowledge and practical skills.

3. **Industry Collaboration:** ISA Student Sections in India often emphasize collaboration with local industries and professionals. They may organize industrial visits, invite industry experts as guest speakers, or facilitate internships and placements for students. This collaboration helps students bridge the gap between theory and practice, gain exposure to real-world applications, and develop valuable industry connections.

4. **Entrepreneurship and Innovation:** Some ISA Student Sections in India encourage entrepreneurship and innovation among their members. They may provide support and guidance to students interested in starting their own automation-related ventures, organizing entrepreneurship workshops, or facilitating mentorship programs with successful entrepreneurs in the field.

5. **Community Outreach:** ISA Student Sections often engage in community outreach activities to promote awareness and interest in automation and control systems. They may conduct workshops or demonstrations in local schools or colleges, participate in STEM fairs, or organize skill development programs for underprivileged students. These initiatives contribute to spreading knowledge and fostering enthusiasm for automation among a wider audience.

<b>Sl. No</b>	<b>Event Name</b>	<b>Date Month Year</b>	<b>Resource Person with Designation</b>
1	i-ACT2019@ASIET	30-03-2019	IndustriConnect Technologies Pvt Ltd, Bangalore
2	Automation Bootcamp, Kochi 2019	16-02-2022	Mr. Jasir Sabri, Chairman Dr. Nikhil P G Technical Director Consyst Technologies

3	ISA Bangalore-Faculty Advisors Meet	07-09-2019	India-Automation Games-Mumbai
4	India-Automation Games-Mumbai	10-01-2020	ISA Officials from various ISA sections
5	Webinar: Role of Robot manipulation in industries	27-06-2020	Dr. Ashok S, Professor, NITC Megha G Krishnan, PhD Scholar, NITC
6	Webinar: Career opportunities in Robotics and Automation	11-07-2020	Akshay P Kumar, Sr.Engineer Robotics and Automation, SMEC Automation Pvt Ltd.
7	Webinar: Higher Studies in Abroad universities after engineering	07/08/2020	Akhil Saseedaran Nair, Electrical and control Technologist, Ontario Power Generation, Canada
8	Webinar: A Discussion on 5G enabling Technologies	14/08/2020	Dr.Sudheesh P G, Assistant Professor, Dept of E&C,MIT Manipal
9	Webinar: Role of professional bodies in engineering career	20/03/2021	Mr.Ravi Balakrishnan, EC Member, ISA Bangalore Section
10	Webinar: ISA & Robotics Competitions	22/05/2021	Mr. Rajashekar Uchil, Executive Board Member at Education Division ISA Mr. Anand Iyer Principal Consultant at Innovative Consulting Inc
11	Webinar: opportunities in Aerospace Industry	08/08/2021	Mr. Rajashekar Uchil, Executive Board Member at Education Division ISA
12	ISA CONCLAVE 2022 Fieper project and discussion with Cobot team an initiative to develop low cost collaborative robots	11/03/2022	Mr Anand Iyer, Principal Consutant at Innovative Consulting Inc. Bangalore Mr.Vishwajejeet Gokhale, Managing Director, Mechanix pvt.Ltd, Pune.
13	Webinar: Expert talk on industrial iot and industry 4.0	23/06/2023	Mr.Gokul Deshpande CEO of CMOS group

14	Webinar: Role of professional bodies in engineering career	20/04/2023	Mr.Ravi Balakrishnan, Secretary, ISA Bangalore Section
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