

Instrumentation Engineering

Newsletter 2017-18



Vision statement of Department

To be recognized as leading contributor in imparting technical education and research in Instrumentation & Control engineering for development of the society.

Mission statement of Department

1. To deliver knowledge of Instrumentation and Control Engineering by strengthening involvement of Research institutions and industries in academics
2. To build conducive environment for advanced learning through participation of faculty and students in collaborative research, consultancy projects, student exchange programs and internships
3. To develop competent Engineers with entrepreneurial skills to address socio-economic needs.

Program Educational Objectives (PEO)

The Graduates would demonstrate

1. Core competency in Instrumentation and Control Engineering to cater to the industry and research needs.
2. Multi-disciplinary skills, team spirit and leadership qualities with professional ethics, to excel in professional career and/or higher studies.
3. Preparedness to learn and apply contemporary technologies for addressing impending challenges for the benefit of organization/society.
4. Knowledge of recommended standards and practices to design and implement automation solutions.

PEO – Mission Mapping

	M1	M2	M3
PEO1	3	2	2
PEO2	2	3	2
PEO3	2	3	3
PEO4	2	3	3



Program Specific Outcomes (PSOs)

Graduates shall have the ability to:

1. Evaluate the performance of suitable sensors / Process components/ Electronic / Electrical components for building complete automation system.
2. Analyze real-world engineering problems in the area of Instrumentation and Control.
3. Design or Develop measurement / electronic / embedded and control system with computational algorithms to provide practical solutions to multidisciplinary engineering problems.

Program Outcomes

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research –based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.



7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Department Activities

1. Courses offered by Industry

Sr. No	Course Name	Industry conducting the course
1.	Project Engineering and Management	Emerson Exports Engg. Centre, Pune.
2.	Batch Process Control	Emerson Exports Engg. Centre, Pune
3.	Proficiency Development Course on Internet of Things	Mr. Milind Jape - ShreeMeera Consultancy Pvt. Ltd.

2. Research Projects and Consultancy

Sr .No	Achievements	Number
1.	Ongoing Funded Research Projects	1
2.	Ongoing Consultancy Projects	3

3. IAB Meeting

[Eight Meeting of Industry Advisory Board](#)

Eight meeting of the Industry Advisory Board (IAB) of Instrumentation Engineering Department was held in department of Instrumentation Engineering. The details are as follows:

Venue: Seminar Hall

Day & Date: Tuesday, Aug 8, 2017

Time: 3:00 PM to 5:00 PM

The following members were present:



Sr. No.	Name of Member	Organization
1	Mr. Abhay Bansod Member, IAB	Director, Process Systems and Solutions, Emerson Export Engineering Centre, Pune
2	Mr. Yogesh Patil	Emerson Export Engineering Centre, Pune
3	Mr. Subba Rao	Emerson Export Engineering Centre, Pune
4	Mr. S.R. Srinivasan	Emerson Export Engineering Centre, Pune
5	Mr. Rajesh Prabhune	Emerson Export Engineering Centre, Pune
6	Mr. Prasad Dixit	Emerson Export Engineering Centre, Pune
7	Mr. Jaithirth Kulkarni	Emerson Export Engineering Centre, Pune
8	Mr. Rajesh Pandita	Emerson Export Engineering Centre, Pune
9	Mr. Swanand Despande	Emerson Export Engineering Centre, Pune

The following department faculty was also present:

1. Prof. (Dr.) Shilpa Sondkar
2. Prof. (Dr.) Dilip Maghade
3. Prof. Praveen Pol
4. Prof. Manisha Mhetre
5. Prof. (Dr.) Sanika Patankar,
6. Prof. Jitendra Gaikwad
7. Prof. Vijaykumar Bhanuse,
8. Prof. Kapil Mundada
9. Prof. Rajendra Patel
10. Prof. Anil Kadu
11. Prof. Archana Chaudhari
12. Prof. Sujit Deokar

The IAB members considered the items of the agenda and the items permitted by the Chair and decided as follows:

- 1) Briefing about department activities and curriculum.
- 2) Discussions on 6 months internship for UG (B tech) Students and Reviews of Completed internship of period Jan 17 to June 17
- 3) Discussion about conduction of IPE course for 3rd year B.Tech Instrumentation and Control Engineering Students.



Ninth Meeting of Industry Advisory Board

Ninth meeting of the Industry Advisory Board (IAB) of Instrumentation Engineering Department was held in department of Instrumentation Engineering. The details are as follows:

Venue: Seminar Hall

Day & Date: Tuesday, Dec 5, 2017

Time: 11 am to 1:30 pm

The following members were present:

Sr. No.	Name of Member	Organization
1	Ms. Mangal Kakade	Director, IFM
2	Mr. Kalpak Nikumbh	Senior Team Leader, IFM
3	Mr. Rajasekaran Subramani	Principal Software Engineer, IFM
4	Ms. Aditi Athavale	HR, IFM

The following department faculty was also present:

1. Prof. (Dr.) Shilpa Sondkar
2. Prof. (Dr.) Dilip Maghade
3. Prof. Praveen Pol
4. Prof. (Dr.) Manisha Mhetre
5. Prof. (Dr.) Sanika Patankar,
6. Prof. Jitendra Gaikwad
7. Prof. Vijaykumar Bhanuse,
8. Prof. Kapil Mundada
9. Prof. Rajendra Patel
10. Prof. Anil Kadu
11. Prof. Archana Chaudhari
12. Prof. Sujit Deokar

The IAB members considered the items of the agenda and the items permitted by the Chair and decided as follows:

1. Briefing about department activities and curriculum.
2. Discussions on 6 months internship for UG (B tech) Students and one year for PG Students.
3. Presentation by Mr. Kalpak Nikumbh on over view of how things are today and where the industry is moving with the focus of IIOT.
4. Mr. Rajasekaran Subramani presented the real implementation of IIOT and various IFM components.



Tenth Meeting of Industry Advisory Board

Tenth meeting of the Industry Advisory Board (IAB) of Instrumentation Engineering Department was held in department of Instrumentation Engineering. The details are as follows:

Venue: Seminar Hall

Day & Date: Tuesday, Jan 2, 2018

Time: 3:00 PM to 5:00 PM

The following members were present:

Sr. No.	Name of Member	Organization
1	Mr. Abhay Bansod Member, IAB	Director, Process Systems and Solutions, Emerson Export Engineering Centre, Pune
2	Mr. Shrikant Panditrao	Emerson Export Engineering Centre, Pune
3	Mr. Ajit Chhatre	Emerson Export Engineering Centre, Pune
4	Mr. S.R. Srinivasan	Emerson Export Engineering Centre, Pune

The following department faculty was also present:

1. Prof. (Dr.) Shilpa Sondkar
2. Prof. (Dr.) Dilip Maghade
3. Prof. Praveen Pol
4. Prof. Manisha Mhetre
5. Prof. (Dr.) Sanika Patankar,
6. Prof. Jitendra Gaikwad
7. Prof. Vijaykumar Bhanuse,
8. Prof. Kapil Mundada
9. Prof. Rajendra Patel
10. Prof. Anil Kadu
11. Prof. Archana Chaudhari
12. Prof. Sujit Deokar

The IAB members considered the items of the agenda and the items permitted by the Chair and decided as follows:

1. Briefing about department activities and curriculum.
2. Discussions on 6 months internship for UG (B tech) Students and Reviews of Completed internship of period July 17 to Dec 17
3. Discussion about conduction of IPE course for 3rd year B. Tech Instrumentation and Control Engineering & BPC for M. Tech students.



Alumni meet at Department of Instrumentation Engineering

Date: 17th Dec 2017, Sunday

Venue: 4307, Department of Instrumentation Engg.

No of alumni attended: 15 Alumni and department Faculty

Meeting started at about 4.00pm with the warm welcome by Head of the department.

4. In the department presentation, Head of the department highlighted the department achievement as research grant received and workshops conducted in the department.
 5. Curricula structure and development is discussed with the students and they appreciated the project based learning and internship initiative.
 6. Alumni (Markarand Doshi, Mandar Ranade, Kapil Agarwal, Ujwal Khairnar, Ajitkumar Mekhale shown interest for internship support to the department.
 7. This is followed by department visit. Alumni appreciated Ameya Ambarish industry sponsored labs and involvement of students on research projects.
 8. Department research contribution is presented in terms of papers, PhD work and patents.
 9. Alumni involvement for embedded projects will help to understand the students new technology involved.
- 4. The Department received Sponsorship of IIOT platform set up by Ascent Intellimation worth Rs. 535000/-**

Training on IIOT platform was conducted by Ascent Intellimation on 21st Feb for UG and PG students.



5. Placement and Internships

Placement for AY 2017-18

Sr No	Name	Placed in
1	Vivek Onkarnath Rathi	EEEC Pune
2	Sathe Atharv Sameer	EEEC Pune
3	Urvi Tambe	EEEC Pune
4	Prateek Bahl	Honeywell
5	Vedang Suhas Ranade	Honeywell
6	Sneha Gadekar	EEEC Pune
7	Rushikesh Kamewar	Emerson
8	Prasad Haribhau Patil	Honeywell
9	Anant Nitin Khatavkar	Honeywell
10	Akshay Ramteke	Honeywell
11	Jadhav Janhavi Nitin	Accenture
12	Priyanka Shrikant Patil	FIGmd
13	Chawale Ashwini Ramakant	Alfa laval
14	sandesh tilekar	Wipro
15	Sagar Mulchandnai	EEEC Pune
16	Ashutosh Joglekar	EEEC Pune
17	Neha Chaudhari	Honeywell
18	Deshmukh Sandesh Shrikant	EEEC Pune
19	Priya Burad	Honeywell
20	Wakchaure Akshata Ravindra	Accenture
21	Khizar Jalgaonkar	Sudarshan chemicals
22	Raj Deepak Raikwar	EEEC Pune
23	Mrinal Mukesh Gajbhiye	MindTree
24	Vaishnavi Potdar	Capitalaim Financial Advisory Ltd
25	Sanket Khatdeo	Atos India
26	Vaikhari Pendse	EEEC Pune
27	Gadwale Vaibhav Dnyaneshwar	Honeywell
28	Kulkarni Krishna Mukund	Accenture
29	Mohanad Mohammed Alwan	Terta Pack (inter)
30	Sayali Gaikwad	Federal Bank



Student's internship in AY 2017-18

Name	Internship Company
Vivek Onkarnath Rathi	Yun Solutions
Sathe Atharv Sameer	Innobytes Innovation Pvt LTD
Urvi Tambe	Emerson Export Engineering Centre
Prateek Bahl	SKF India, Chinchwad
Vedang Suhas Ranade	Tetra Pak India Pvt. Ltd., Chakan, Pune
Sneha Gadekar	Emerson Export Engineering Centre, Pune
Omkar Rajendra Yengandul	DITAP-V AUTOMATION
Naik Ujwala Vijay	Emerson Export Engineering Centre
Rushikesh Kamewar	Axonet Emsys Pvt. Lmt. Baner, Pune
Prasad Haribhau Patil	Aseptic thermoprosys Pvt. Ltd
Inamdar Suyash Sanjay	Ajay poly Pvt LTD shirwal
Anant Nitin Khatavkar	Emerson Export Engineering Centre, Pune
Akshay Ramteke	Letoile systems Pvt Ltd
Jadhav Janhavi Nitin	Emerson Export Engineering Centre, Pune
Shardul Pradip Kulkarni	EEEC 2, Ambad MIDC, Nashik
Priyanka Shrikant Patil	Innobytes Innovation Pvt LTD
Saurabh kale	Four eye research pvt.ltd.
Chawale Ashwini Ramakant	IFM Engineering Pvt. Ltd
sandesh tilekar	Forbes Marshall Pvt. Ltd , kasarwadi
Shivam Shamrao Gudmewar	DITAP-V AUTOMATION
Sagar Mulchandnai	Emerson Export Engineering Centre,Pune
Ashutosh Joglekar	Emerson Export Engineering Centre, Pune
Kajal Bhausaheb Kale	Emerson Export Engineering Centre, Pune
Mahesh Parasram Bade	Forbes Marshall,chakan, Pune
Ashishkumar Rajendra Shisode	Emerson Export Engineering Centre, Pune
Neha Chaudhari	Sinhagad road, Pune 411041
Harshada Subhash Ghodechor	DITAP-V AUTOMATION Plot no.48A, Hill Top Society, Taljai pathar, Dhankawadi, Pune, Maharashtra 411043
Godse Abha Ajinkya	Innobytes Innovation Pvt LTD
Yadnya Harish Chaudhari	Smart energy systems
Arvind Ramesh	Vertaxis, sinhagad road
Soham Vikas Dharmadhikari	Forbes Marshall



Abhishek Kangale	Innobytes Innovation Pvt LTD
Deshmukh Sandesh Shrikant	Forbes Marshall Pvt. Ltd , kasarwadi
Swapnil Krushna Hulwan	Forbes Marshall, Pune
Priya Burad	Four eyes research pvt Ltd, Pune
Wakchaure Akshata Ravindra	Forbes Marshall,chakan, Pune
Khizar Jalgaonkar	Concise Engineering Solutions Pvt. Ltd.
Vitthal Rathod	Emerson Export Engineering Centre, Pune
Swakush Inarkar	Kana Electromechs, Pragati Industrial Complex, Kothrud
Deshmukh Mandar Rajendra	Innobytes Innovation Pvt LTD
Raj Deepak Raikwar	Unithings Technology LLP (Main office - B-12 , Balwant Darshan, Pune)
Saurabh Narayan Kadam	Ditap V Automation Pvt. Ltd.,Taljai Pathar Dhankavdi.
Sonal Dhanapune	Brainsis- K-401, mega centre, magarpatta
Ajinkya Goud	Forbes Marshall Pune
Sera Fernandes	Emerson Automation Solutions Navi Mumbai
Mrinal Mukesh Gajbhiye	Innobytes Innovation Pvt LTD
Akshaykumar Vilas Dhande	Oneness control panels khed shivapur
Shubham Koli	Cummins India Pune
Jyotsana Pandhrinath Namadas	Forbes Marshall,chakan, Pune
Aditya Naik	Forbes Marshall Pvt. Ltd , kasarwadi
Vaishnavi Potdar	DITAP-V AUTOMATION
Akshay Rajkumar Patil	Supreme Gold Irrigation ltd. MIDC Nanded-431603
Sanket Khatdeo	Unithings Technology LLP
Prasham Bokde	Annapurna Automation, Sinhadgad road, Pune
Deoyani Ramesh Tajane	Lestoile systems Pvt Ltd
Somsundar Mishra	Emerson Automation Solutions Navi Mumbai
Vaikhari Pendse	Emerson Export Engineering Centre, Pune
Pisal Makrand Ramesh	
Akshay Anil Tambe	Ditap-V automation Pvt Ltd
Dipak Digambar Nagalwad	Supreme Gold Irrigations Pvt Ltd ,Nanded
Komal Ashok Anhad	Concise Engineering Solutions Pvt Ltd
Pooja Apsingekar	Yokogawa India limited, Bengaluru, Karnataka 560100
Yash Sahebrao Chavan	Thyssenkrupp Industries India,Pimpri chinchwad
Choudhary Janhavi Milind	Forbes Marshall,chakan, Pune
Gadwale Vaibhav	Forbes Marshall,chakan, Pune



Dnyaneshwar	
Prajakta Mahadev Itekar	Lumax Auto Technologies Ltd.Chakan
Kaustubh Vilas Joshi	Forbes Marshall , Pune
Chatuksha Kapadnis	Bosch Ltd, Satpur MIDC , Nashik
Khair Vaibhav Sopan	Rcf ltd.mahul road,chembur,mumbai -74
Aditi Arun kulkarni	Cubix automation
Kulkarni Krishna Mukund	Leap and Scale Growth Partner Pvt Ltd, Bopodi, Pune IT Park.
Mohanad Mohammed Alwan	Tetra Pak Arabia@ Yemen Dairy & Food products IND (S.Y.C) Kilo 7 sana'a street ,Hodiadah Republic of Yemen.
Noel George Jacob	Yokogawa India Limited Bangalore
Shounak Shrikrishna Ozarkar	TechBean Systems Pvt Ltd Pune, Maharashtra 411021
Avadhut Wamanrao Panchal	Unitary technologies,Bangalore, Karnataka-560079
Shrikant Nandkishor Paraskar	Unitary technologies,Bangalore, Karnataka-560079
Sayali Gaiwad	Forbes Marshall Pvt. Ltd , kasarwadi
Shubham Shirurkar	Tetra Pak India Pvt. Ltd., Chakan, Pune
Tamilmani Krishnamoorthy	Unitary technologies, Bangalore, Karnataka-560079
Vhatkar Twinkle Bapuji	Custom Soft, 5, II Floor, Pune, Maharashtra 411030

Faculty Achievement

1. Prof. Dr. Jayant Kulkarni and Dr. Shilpa Sondkar were elected in SPPU elections held in Jan 2018 as Board of Studies in Instrumentation Engineering.
2. Prof. Dr. Jayant Kulkarni from the Department won First prize for Faculty Industry 4.0 competition held at Institute Level and Prof. Kapil Mundada won the Third prize at Institute Level competition held on 3rd Jan 2018.



Prof. Jayant Kulkarni accepting prize



Prof. Kapil Mundada accepting prize

3. Prof. Jitendra Gaikwad underwent training on IIOT Platform provided by Ascent Intellimation set up in month of March 2018.

Students Achievement

1. Final Year student Suyash Inamdar initiated start up named UniThing Technologies LLP, Pune.
2. Final Year student Krishna Kulkarni initiated start up.
Details of the Start Up: Name: Ckaskmind Innovative LLP. Portal: www.ckaskmind.com
3. Final Year student Urvi Tambe cycled from Pune to Wagha Border in Dec 2017.





Glimses of Urvi's Bicycle Tour to Wagha Border

4. Final Year student Sagar Mulchandani has contributed in NSS activities at college level
5. Final Year student Kaustubh Joshi represented college twice at inter-college level for Cricket.

Department Highlights

Advanced Factory Automation training conducted by Mitsubishi on 27th and 28th Nov 2017



Head of the Department Prof. (Dr) S.Y.Sondkar felicitating the chief Guest Mr. Muttappa Lalaoundi from Mitsubishi electric Pvt .Ltd

The Department of Instrumentation Engineering of Vishwakarma Institute of technology conducted a training program on “**Advanced factory Automation**” by **Mitsubishi Electric India Pvt.Ltd** at Department of. Instru Engineering Room no: 4203A



Training Program was organized with the prior permission and under guidance of honorable Prof (Dr). R. M. Jalenkar Sir (Director, VIT), Prof. (Dr).S.Y.Sondkar (Head of Instru Engg Dept) and Deputy Head Prof.J.A Gaikwad and hard efforts of Prof. A. B. Kadu (Subject teacher).



Deputy Head Prof. J.A.Gaikwad felicitating the chief Guest Santosh Kulkarni from Mitsubishi electric pvt .Ltd

Project Exhibition held in Department

The Department of Instrumentation Engineering of Vishwakarma Institute of technology conducted a “**Project exhibition based on course subject project**” at Department of. Instru Engineering Room no: 4203A. Project competition was conducted with the prior permission and under guidance of honorable Prof (Dr). R. M. Jalenkar Sir (Director, VIT), Prof. (Dr).S.Y.Sondkar (Head of Instru Engg Dept) and Deputy Head Prof.J.A Gaikwad.

Students Feedback:

Project competition was very successful. It is very helpful to correlate Theory and Practical applications. We are extremely thankful to our honorable Director Prof. Dr. R.M.Jalnkar and Head of department Prof. (Dr) S.Y.Sondkar and Deputy Head Prof.J.A.Gaikwad and All faculty of Instrumentation engg without his support it is not possible to do the good projects .



Head of the Department Prof. (Dr) S.Y.Sondkar along with Managing trustee's Bajrangdas Lohiya sir.



Head of the Department Prof. (Dr) S.Y.Sondkar and Deputy Head Prof. J.A.Gaikwad along with the Managing trustee's Bajrangdas Lohiya sir.



Students showing the projects to the Managing trustee's Bajrangdas Lohiya sir



Honorable Director Prof (Dr). R. M. Jalenkar Sir and Prof. (Dr).S.Y.Sondkar and Faculty Archna choudhary.

Students conference on Industrial Internet of Things, at Vishwakarma Institute of Technology, Pune, January 13th, 2018



The Students conference on Industrial Internet of Things (IIoT) was by organized by Vishwakarma Institute of Technology (VIT), Pune and International Society of Automation (ISA), Pune Section and hosted by Instrumentation Engineering Department in Sharad Arena, Vishwakarma Institute of Technology (VIT), Pune. This conference provided a huge opportunity to students to understand IIoT and its applications and bridge the gap between industry and academia. The conference received an active participation from the students with more than 240 registrations from 6 colleges in Pune. The conference began with a heart-warming welcome speech by Dr. Shilpa Sondkar, Head of the Department, Instrumentation Engineering, VIT, Pune, thanking ISA for organising the conference and providing such great opportunity to the students to learn and explore more about the subject.

Mr. J. G. Bapat, Vice President, ISA Pune section, gave a brief introduction of ISA, which began as Instrumentation Society of America in 1945. He also proudly mentioned that ISA has taken a leap since and spread in US, India, Bangladesh, Japan, and few more eastern counties. Encouraging the students to come up with new ideas for projects, he said, “There is lots and lots to gain but the access is your own”. Dr. Rahul Waikar, Dean of Academics, VIT, Pune, indicated that IIoT is the next industrial revolution and has the potential of affecting day to day life to a great extent. “The next decade will be of Instrumentation engineers because of IoT”, said Dr. Ganesh Dongre, Dean of R&D, VIT, Pune, raising the spirits of the students. He also inspired the students to see IoT as a great opportunity for advancement in technology. Mr. Ramani Iyer, DVP, ISA shared his personal experiences and motivated the students to understand the true meaning of Instrumentation and its connection to the society. Inspiring the students to stay determined in life, he also said, “Automation is going to touch our lives like never before”. He also explained a few existing applications of automation in industries and incentivized the students to consider IoT as a means to serve the society.

Mrs. Sujata Tilak, President, ISA-Pune Section; MD Ascent Intellimation started the Session-1 about IIoT Architecture & Applications stating that IoT is possible because of all the Technology coming together. She also shed light on how the world is changing in ways unthinkable and the ways in which IoT is being implemented across the globe. Session-2 by Mr. Abhijeet Mhetre, VP, Marketing, Altizon, particularly focussed on directing the students for jobs in Industry 4.0 Era. “We live, breathe, walk and talk technology”, he said implying that everything is getting digitized forming an IoT ecosystem leading to ‘tsunami of data’, transforming the industrial world upside down. He also urged the youths to include IIoT in business and work opportunities to innovate at every touch point. He also inspired the students to be apt to solve problems not yet existent and instilled great enthusiasm among the students informing them of the new job opportunities coming up. “Sooner you begin sooner you can acquire the skills”, Mr. Mhetre mentioned stirring the students to get into actions and create real asset worthy portfolios. Session-3 embarked on ‘Smart Sensors and Assets’ signifying that the demand driven manufacturing and the customer centric markets are facilitating the business based on IoT. Mr. K V Rehani, KVR Consulting, concluded asking the students to set high goals and achieve great success in their journeys. The case study presented by Mr. Vishal Pansare, Business Manager, Logicon Techno solutions, where he shared the challenges faced by him during the journey had a great influence on the students and led them to contemplate on projects for IIoT.

Mr. Pavan Pawar, Head- Implementation, Ascent Intellimation, talked about the second case study on Brownfield Installations- an export oriented factory in Chakan, where he faced a few problems from the working force, trying to get them to accept the changes. He also enlightened the students about the ZID plant Monitoring System using IIoT in Telangana District as an attempt to make the environment cleaner.

The Panel discussion was a very intriguing session making the seminar a promising platform for the students allowing them to easily approach the dignitaries present and satisfy their curiosities.



Experts for Panel Discussion

Mr. K V Rehani, Mr. Abhijeet Mhetre, Mrs. Sujata Tilak, Mr. Pavan Pawar,
Mr. Vishal Pansare and Dr. Vivek Deshpande



Students interacting during Panel Discussion



After the lunch began the much-awaited IIoT Competition where the students demonstrated project ideas based on IIoT covering various sectors. These ideas and presentations inspired the audience to a great extent and also interested the judges greatly. An event is not possible without the efforts of volunteers. Certificates and gifts were distributed among the volunteers. And the results of the competition were announced. Four of the seven participants were rewarded for their exceptional thinking. Vijaya Poola from Cummins College of Engineering for Women, Pune won the first prize for project titled IOT based Fruit Processing. The second prize was won by Avadooth Gawali from Government College of Engineering, Awasari for project titled Smart inventory management. Rudrani Dhaye and Maaz Shaikh from AISSMS Institute of Technology, Pune won the third prize for project titled Infant Baby warmer, along with Pushkar Marathe from Vishwakarma Institute of Technology, Pune for project titled Old is Gold - A Senior Citizen Interface.





IOT Based project competition

Right: Judges and experts Left: Participants presenting their projects

Below: Felicitation of Prize winners



Pushkar Marathe from Vishwakarma Institute of Technology, Pune accepting prize from ISA President Mrs. Sujata Tilak.



Vijaya Poola from Cummins College, Pune accepting prize from Mr. Ramani Iyer, DVP ISA Pune Section.



Avadooth Gawali from Government College of Engineering, Awasari accepting prize from Mr. Ramani Iyer and Mr. Maknikar.



Rudrani Dhaye and Maaz Shaikh from AISSMS Institute of Technology, accepting prize from ISA Pune Section members.

The Conference was a huge success and served the purpose of enlightening and motivating the students to understand IIoT better and proved to be a great platform for presenting ideas.



At the end Prof. Archana Chaudhari, ISA Faculty Coordinator gave the vote of thanks on behalf of VIT, in her speech she mentioned how students from different colleges worked together and how well does ISA Pune section helps as always to college for implementing different initiatives.

State Level Project Competition in association in with International Society for Automation on 5th April 2018 in Instrumentation Engineering Department

The department of Instrumentation Engineering, Vishwakarma Institute of Technology, Pune in association with International Society of Automation Pune Section organized State Level Project Competition on 5th April 2018.

The competition received entries from around 30 project groups. 25 project groups were shortlisted and 19 project groups participated in the project competition. The projects groups represented various engineering colleges from in and around Pune.

Glimpses' of the competition



Participants of the project competition demonstrating the projects to the judges in various labs

Prize distribution was carried out at the hands of Dean Research and Development Dr. Ganesh Dongre and Head of Department Dr. Shilpa Sondkar and Vice President of ISA District 14, Mr. Ramani Iyer.



Dignitaries on the dais for prize distribution function of State Level Project competition

ISA members Mr. Satish Pathak, Mr. Anand Iyer, Mr. Rohit Joshi graced the occasion as judges along with Dr. Manisha Mhetre and Prof. Archana Chaudhari as judges for the competition.

Felicitation of Dignitaries





Dean Research and Development Felicitating Mr. Ramani Iyer, Vice President, ISA District-14



Dean Research and Development Felicitating Mr. Rohit Joshi, ISA Pune section member and one of the judges for the competition



Head of Department Dr. Shilpa Sondkar felicitating Mr. Satish Pathak, ISA Pune section member and one of the judges for the competition

Head of Department Dr. Shilpa Sondkar felicitating Mr. Anand Iyer, Newsletter chair, ISA Pune section and one of the judges for the competition

Students from Cummins college of Engineering, Pune Vaidhei Pawar, Vijaya Poolla, Devhutti Somwase and Ameya Manure won the first prize for the project titled, Automatic Fruit Peeling Machine.

The first runner up was won by students Akshay Shinde, Prashant Raut, Shantanu Gokhale, Siddesh Vaidya and Soham Naik from Flora Institute of Technology, Pune for project titled Development of Automated Solar Panel Cleaning System.

The second runner up was won by students of AISSMS College of Engineering, Pune Anurag Lambhor, Arya Polas and Aditi Bachhav for project titled Vaporized Gasoline Fuel.



Participants of the State Level Project Competition



Winners of the project competition for project titled Automatic Fruit Peeling Machine



First runner up for project titled Development of Automated Solar Panel Cleaning System from Flora Institute of Technology, Pune



Second Runner up's for project titled Vaporized Gasoline Fuel From AISSMS College of Engineering, Pune

Address by Dean Academics and Dean Student Counseling Carrier Guidance

Dean Academics and Dean Student Counseling Carrier Guidance conducted session for Second Year, Third year and First Year M. Tech students on carrier guidance at Instrumentation Engineering department in the month of 8th Feb 2018.





Student's conference held in the Department

Instrumentation Engineering Department hosted student's conference on 28th April 2018 in the department. The conference was inaugurated by Honorable Director. The Chief Guest for the conference was Mr. Rohit Nayak, distinguished Alumina of Instrumentation Engineering Department. Rohit Nayak is among the top entrepreneurs under 30 years in Forbes List.



Inauguration of Conference Proceedings by Hon. Director Prof. Dr. Rajesh Jalnekar, Mr. Rohit Nayak, Chief Guest, Prof. Ganesh Dongre Dean Research And Development and Dr. Swati Shilaskar, Dean Student Counselling



Felicitation of Guest and Speech by Chief Guest Mr. Rohit Nayak

Students from Second, Third, Final Years and First Year M. Tech presented their technical papers across seven tracks in the department.



Students presenting in one of the Tracks

Expert Lecture's conducted in the Department

1. Mr. Ramani Iyer, Vice President of District 14, International Society of Automation, Pune section conducted lecture on topic Automation Frontiers for Second and Third Year students on 5th April 2018.



Mr. Ramani Iyer conducting session

2. Mr. Satish Pathak, conducted session on Entrepreneurship for Second and Third Year students on 5th April 2018.



Mr. Satish Pathak conducting session

3. Mr. Anand Iyer conducted session on Opportunities in Industrial Internet of things for Second and Third Year students on 5th April 2018.



Mr. Anand Iyer conducting session

4. Mr. Amit Saxena conducted session on Sensor selection and installation for Second Year students on 10th April 2018.



Mr. Amit Saxena conducting lecture on sensor selection for Second Year

5. Expert lecture was conducted by Nakul Bhanage for Second Year.
6. Expert Lecture by Ujjwal Khairnar for Third Year on Carrier Guidance and counseling on 30th March 2018



7. Session on how to get admission in top 20 US universities with full funding on 19th April 2018 for Second and Third Year students of Instrumentation Engineering by Mr. Samuel and Vaishali.



8. Guidance by Alumina for interview preparation

Pratik Gundecha and Tushar Borse, Alumina of the department conducted a session on interview preparation for Placement in the Department for Final Year students in the month of November 2017.

Industrial Visit

Prof. Vijaykumar Bhanuse conducted industrial visit at Pune Techrol Pvt. Ltd. For Second Year B.Tech students on 13th April 2018.



Industrial visit of Second Year at PuneTechtrol Pvt Ltd.