

# Instrumentation Engineering

---

Newsletter 2016-17



## **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.



## Summary of Department Activities

### 1. Department Achievements

Sr. No	Month	Achievement	Details
1.	Aug 2016	Received BCUD Research funding grant of Rs. 1.65 lakhs	2016-2018
2.	Oct 2016	Received grant of Rs 100000/- from BCUD for FDP on Biomedical Systems	Conducted in Feb 2017

### 3. Courses offered by Industry

Sr. No	Course Name	Industry conducting the course
1.	Project Engineering and Management	Emerson Exports Engg. Centre, Pune.
2.	Water Engineering	Forbes Marshall, Pune
3.	Batch Process Control	Emerson Exports Engg. Centre, Pune.
4.	Industrial Flow Measurement techniques	Forbes Marshall, Pune

### 4. Expert/Guest lecture's conducted: 07

Sr. No	Date/ Month	Resource Person Name and Designation	Topic of Lecture	Faculty Organizer	Year
1.	2 <sup>nd</sup> Aug 2016	Vaibhav Joshi, Chief Executive Spider, VGlobalTech.com, software development company, USA, Technical Fellow Fedex, USA	Life after Graduation	Prof. Mrs. Manisha Mhetre	TY and Final Year



2.	8 <sup>th</sup> Oct 2016	Mr. Rajendra Dhage , Global Reliability Specialist. Cummins Global Analytics Center( GAC), Division of Cummins Technologies India Private Limited	Reliability	Prof. Kapil Mundada	SY and TY
3.	7 <sup>th</sup> Feb 2017	Mr. Rajesh Laturkar, Forbes Marshall, Pune	Latest trends in Instrumentation and automation in Industry	Prof. Kapil Mundada	TY
4.	8 <sup>th</sup> Feb	Mr. Anant Murari,	The importance of soft skills for success in the Corporate world	Prof. Dr. Shilpa Sondkar	SY and TY
5.	14 <sup>th</sup> Feb	Dr. Sanjeevani Gogawale, Consultant	Role of Reliability in Instrumentation Engineering	Prof. Mrs. Archana Chaudhari	SY and TY (Honors)
6.	17 <sup>th</sup> Feb	Mr. Chandrashekhar Dhamankar, General Manager, Technical Division, Forbes Marshall, Pune	Career Counseling and industry ethics	Prof. Mrs. Archana Chaudhari	Final Year students
7.	17 <sup>th</sup> Feb	Mr. Chandrashekhar Dhamankar, General Manager, Technical Division, Forbes Marshall, Pune	Employability (How COE Output can be Industry Input?)	Prof. Mrs. Archana Chaudhari	SY

### 5. Industrial visits organized :01

Sr No	Industry Visited	Faculty Organizer	Class visited	Date
1.	Electronet Equipment Pvt. Ltd	Prof.	TY	11 <sup>th</sup> Sept 2016



		Vijaykumar Bhanuse		
2.	Chemtrols Industries Ltd. Goa	Prof. Kapil Mundada	TY	27 <sup>th</sup> March, 2017

### 6. Student's Achievements:

Sr. No	Name of the Student	Class	Rank/ Achievement
1.	Yasin Khan, Akshay Randive, Tushar Londhe, Pradnyanad Patil	B. Tech	First Runner up for State Level Project Competition in association with International Society for Automation on 2 <sup>nd</sup> June 2016 at VIT, Pune
2.	Tejas Karewar, Rohit Mulmule	B. Tech	Second Runner up for State Level Project Competition in association with International Society for Automation on 2 <sup>nd</sup> June 2016 at VIT, Pune

### 7. Staff Achievements

Sr.No	Achievements	Number
1.	Workshops/ Seminars Attended	8
2.	Workshop/ Seminar Organized	1
3.	Workshops Conducted	1
4.	Ongoing Funded Research Projects	1
5.	Ongoing Consultancy Projects	3

### 8. Social Activity under International Society for Automation, students chapter

On 17th Jan, 2017 the ISA team of VIT, Pune along with ISA coordinator Prof. Archana Chaudhari and the Head of the Department of Instrumentation Engineering Prof. (Dr.) Shilpa

Sondkar visited the Janaseva Foundation for the noble cause of cloth donation. Janaseva Foundation is located in Bhilarewadi, Pune.

Janaseva Foundation is a destitute center which truly and wholly works on the charitable donations done by the generous people from all over the world. In the center proper care is taken of an individual with all essential necessities. Folks of old age, school going girls and boys, students under graduate programs, people from ages 1 to 60 are all part of the Janaseva family. They provide the education, skill development and other essential facilities to the people residing in the foundation. We were delighted to see the intense care and helping attitude show by the foundation to the destitute people as Mr. Vinod Shah guided us through the entire visit to the foundation which they call as their house.



Head of the Department of Instrumentation Engineering Prof. (Dr.) Shilpa Sondkar and ISA coordinator Prof. Archana Chaudhari visited the Janaseva Foundation along with student members and office bearers of for clothes donation

## **9. Visit of Japanese Delegates from Mitsubishi Electric in the department on 15<sup>th</sup> Feb 2017**

On 15<sup>th</sup> Feb 2017, Mr. Tokunaga, General Manager, Mitsubishi Electric, Japan visited Instrumentation Engineering Department.

### **Few glimpses of the event**





Felicitation of the Mr. Tokunaga at the hands of Head of Department, Dr. Shilpa Sondkar



Demonstration of students projects to Mr. Tokunaga



Demonstration of students projects to Mr. Tokunaga



Demonstration of students projects to Mr. Tokunaga



Demonstration of students projects to Mr. Tokunaga



Demonstration of students projects to Mr. Tokunaga



**10. Three Days State Level Workshop on “Biomedical Devices, Signal and Image Processing: Challenges and Opportunities organized in the department from 23<sup>rd</sup> Feb 2017 to 25<sup>th</sup> Feb 2017**

Department of Instrumentation Engineering organized three day State Level Workshop on “Biomedical Devices, Signal and Image Processing: Challenges and Opportunities organized in the department from 23<sup>rd</sup> Feb 2017 to 25<sup>th</sup> Feb 2017.

The function was inaugurated by Mr. Paknikar, Director, Agharkar Institute and Guest of Honor for Inaugural function was Prof. Dr. Virendra Bhavsar, Brunswick University, Canada.

Following eminent experts were invited as speakers for the workshop

- i. Mr. Sanjeev Kubakaddi, ITIE, Konwlede solutions, Bangalore
- ii. Dr. Niranjana Khambete, Deenanath Mangeshkar Hospital, Pune
- iii. Dr. Rahul Kodgule by Chest Research system, Pune
- iv. Mr. Mukund Joshi, Pridex Medicare
- v. Mr. Ameya Mundhe and Mr. Rahul Chavanke, ARK solutions
- vi. Mr. Makarand Deo , Norfolk State university ,USA (Skype call)
- vii. Dr. Manasi Patwardhan, Dean R&D, VIT, Pune
- viii. Dr. Siddharth Jabade, Dean International relation, VIT, IPR
- ix. Dr. A. V. Deshmukah, Principal, Baja Institute, Wardha

Around 40 students and academicians took benefit of the workshop.

**Glimpses of Inaugural Function**



Felicitation of Guest of Honor Mr. Pakinakar by Dean Quality Assurance, Prof. Ashutosh Marathe and Head of Department Dr. Shilpa Sondkar



Felicitation of Chief Honor Dr. Virendra Bhavsar by Dean Quality Assurance, Prof. Ashutosh Marathe and Head of Department Dr. Shilpa Sondkar



## **11. IAB Meeting**

### **Fifth Meeting of Industry Advisory Board**

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

**Venue:** Dept Office

**Day & Date:** Wednesday, Aug 9, 2016

**Time:** 3:00 PM to 5:00 PM

The following members were present:

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Organization</b>
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. 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) Discussion about conduction of PEM course for Final year B.Tech Instrumentation and Control Engineering Students.

**Sixth Meeting of Industry Advisory Board**

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

**Venue:** Dept Office

**Day & Date:** Saturday, Dec 23, 2016

**Time:** 9:30AM to 12:30PM

The following members were present:

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Organization</b>
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:

13. Prof. (Dr.) Shilpa Sondkar
14. Prof. Manisha Mhetre
15. Prof. Jitendra Gaikwad
16. Prof. Vijaykumar Bhanuse,
17. Prof. Kapil Mundada
18. Prof. Rajendra Patel
19. Prof. Anil Kadu

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. Discussion about conduction of BPC course for Final year B. Tech Instrumentation and Control Engineering Students.



**Seventh Meeting of Industry Advisory Board**

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

**Venue:** Instrumentation Engineering Dept Office

**Day & Date:** Wednesday, Jan 10, 2017

**Time:** 2:30PM to 5:30PM

The following members were present:

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Organization</b>
1	Mr. Rameshchandra Bhorania Member, IAB	Sr. Manager, Mitsubishi Electric India Pvt. Ltd., Pune

The following department faculty was also present:

1. Prof. (Dr.) Shilpa Sondkar
2. Prof. Jitendra Gaikwad
3. Prof. Vijaykumar Bhanuse,
4. Prof. Anil Kadu

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) Discussions on visit of Mr. Masaki Tokunaga Global Head MELCO Tokyo on 15<sup>th</sup> Feb 2017. The following point were discussed and finalized.
  - a) Felicitations of Mr. Tokunaga.
  - b) Visit to Dept Factory Automation lab
  - c) Its utilization and
  - d) Interaction with concerned faculty & Students.

**12. Board of Studies Meeting in Instrumentation and Control Engineering held at Instrumentation Engineering Department, VIT, Pune, on Saturday 25<sup>th</sup> March 2017**



A meeting of the Board of Studies in Instrumentation and Control Engineering was held in Instrumentation Engineering Department, VIT, Pune, on Saturday 25<sup>th</sup> March 2017 at 10.00 am.

The following members from industry and academia were present, Prof. (Dr.) S. L. Patil, Mr. Abhay Bansode, Mr. Ajay Nagarkar, along with few invited staff members. After discussion on various academic activities and previous meeting review, following points were discussed and approved by the BOS

- i) Assessment for six months internship for Final Year B. Tech. Students
- ii) Approval for new UG structure and syllabus for second, third and final year B. Tech students.
- iii) Approval for new PG diploma on Industrial Automation

### **13.A. Alumni meet at Department of Instrumentation Engineering**

**Date: 17 December 2016, Saturday**  
**Instrumentation Engg.**

**Venue: 4304, Department of**

**No of alumni attended: 20 Alumni and department Faculty**

1. Meeting started at 4.00pm with Warm welcome by the faculty and head of the department Dr. Shilpa Sondkar
2. Alumni involvement for career guidance especially for the final year and third year students is highlighted by the head of the department.
3. Alumni especially elaborated the importance of self study and self motivation to the students as no helping hand is provided in foreign country when you study, Prateek Nagras, Sujit Deshpande, Tejas Bharate.
4. Overall developments of the students by exposing them with new career options in different sectors are emphasized by the Alumni friend Mr. Akshay Deshpande, Ujwal Kahirnar.



5. Overall development of the department with discipline and PD courses is appreciated by the alumni Ajay Nagrkar ,Tushar shitole, Abhijit Murgunde,Rajesh Iyer, Amit Phadke, Mayur Shelke).
6. Prof. Gaikwad sir demonstrated the new Factory automation lab to the alumni and explained the state of the art facility available to the students.
7. Prof. Kadu proposed vote of thanks to all.

Meeting end up with the small refreshment.

### **B. Alumni meet at Department of Instrumentation Engineering**

**Date: 3<sup>rd</sup> January 2017, Tuesday**

**Venue: 4304, Department of**

**Instrumentation Engg.**

**No of alumni attended: 5 Alumni and department Faculty**

1. Meeting started at 11.30 am in director cabin with. Warm welcome by the director
2. Vaibhav Joshi explained the visit of college as evaluation of the projects and sponsorship of the projects.
3. Director appreciated the initiation taken by the alumni for the college and department. Such Alumni involvement helps in boosting the knowledge of the students.
4. New initiatives taken by the college as internship and project based learning well received and appreciated by the Alumni
5. This is followed by the presentation of project groups to the Alumni. Suggestions are given by the Alumni for further work and Guidelines are set up for project evaluation. Alumni shown interest for internship support to the department.
6. Interaction with faculty is followed by refreshment.





**14. State Level Project Competition in association with International Society for Automation held on 6<sup>th</sup> April 2017**

Instrumentation department of Vishwakarma Institute of Technology, Pune, had organized a state level project competition in association with International Society for Automation (ISA), Pune Section for all the final year students from the circuit branches of Engineering on April 6<sup>th</sup>, 2017. The main objective was to provide a platform for students to showcase their innovative engineering through their final year projects.

28 teams from different institutes participated in the competition. Students from BVB college of Engineering, Hubli, VIT college Nagpur and MIT college, Sinhgad college, D Y Patil College, VIT college from Pune participated in the competition.

The participants were fortunate to be judged by highly qualified stalwarts from the instrumentation industry. The judging panel included,

- i. Mr. J. G. Bapat, Forbes Marshall, Pune
- ii. Mr. Ramani Iyer, Forbes Marshall, Pune
- iii. Mrs. Sujata Tilak, Ascent Intrllimation, Pune
- iv. Mr. Sandeep Shroff, Consultant and IIOT Evangelist
- v. Mr. Anoop Dasgupta, Professional Consultant
- vi. Mr. Amit Saxena, Alliance Solutions, Pune
- vii. Mr. Satish Pathak, Samiep Technology Innovations
- viii. Mr. Milind Jape, Consultant

Students from RMD Sinhgad School of Engineering, Warje, Pune having project title AGRICULTURAL AUTOMATION WITH DISEASE MONITORING SYSTEM, won the first prize. Students from B. V. B. College of Engineering and Technology, Hubli having project title SMART PARKING ON TIME SHARED BASIS- SHARE-PARK-EARN, won the first runner up prize and second runner up was won by students from MIT Academy of Engineering, Pune for project title POSITION CONTROL OF FLEXIBLE LINK MANIPULATOR IN PRESENCE OF DISTURBANCES.



Two appreciation prizes were also awarded. First appreciation prize was awarded to students of Vishwakarma Institute of Technology, Pune, for the project titled 3D PRINTER FOR RAPID PROTOTYPING. Second appreciation prize was awarded to students of MIT Academy of Engineering, Pune for project titled DISTURBANCE REJECTION OF SERVO SYSTEMS USING CLASSICAL CONTROL THEORY.

**Few glimpses of the event**



**Judges reviewing the projects in different labs**



**Felicitation of the winners at the prize distribution**

### **Thanksgiving of Emerson Group by the Department**

On 9<sup>th</sup> May 2017, Instrumentation department organized thanks for Emerson Group, Pune.



Instrumentation Faculty along with Emerson Group at Thanksgiving

### **15. Workshops attended by Faculty**

1. Prof. Dr. Jayant Kulkarni, Prof. Jitendra Gaikwad, Prof. Vijaykumar Bhanuse attended workshop on Condition Monitoring of Rotating machine using Vibration Analysis at Kopergaon on 6<sup>th</sup> Oct 2016.
2. Prof. Anil Kadu attended skill development training conducted by Mitsubishi from 26-28 Sept 2016.
3. Prof. Manisha Mhetre attended one week STTP on Multimedia Signal Processing from 8-12 Aug 2016 held at VIT, Pune
4. Prof. Anil Kadu attended Hands on workshop on real time interfacing using Matlab, Simulink and Guide for Process Control Application at Manipal from 11-15 July 2016.
5. Prof. Kapil Mundada attended STTP on Statistical Techniques for Data Analysis from 4- 8 July 2016 held at VIT, Pune
6. Prof. Jitendra Gaikwad, Prof. Vijaykumar Bhanuse and Prof. Anil Kadu attended LC programming workshop conducted by Mitsubishi Electric, held in June 2016 at VIT, Pune

7. Prof. Pramod Kanjalkar and Prof. Kapil Mundada attended one week AICTE sponsored QIP on "New Trends in Biomedical Signal Processing" held during 16-21 Jan 2017, organized by VJTI, Matunga, Mumbai.

## **16. Faculty Achievements**

1. Prof. Dr. Shilpa Sondkar received the Gunvant Adhyapak Puraskar form Savitribai Phule Pune University on 10<sup>th</sup> Feb 2017.



Felicitation of Dr. Shilpa Sondkar at Savitribai Phule Pune University

2. Training course conducted on Automation and Control at SSASIT, Surat by Dr. Jayant Kulkarni and Jitendra Gaikwad on 16-17 September 2016.



Felicitation of Prof. Jitendra Gaikwad at SSASIT, Surat

## **17. Faculty Publications**



1. Yogesh Patil, Mrs. M. R. Mhetre” Design and evaluation of turbine spirometer: A new approach”, Innovations in Electronics and communication Engineering ICIECE, Hyderabad July 2016.
2. Rashmi Dandge, Mrs. Manisha Mhetre “Evaluating broadband ultrasound Attenuation using piezo transducer”, Innovations in Electronics and communication Engineering ICIECE, Hyderabad , July 2016.
3. Sujit Deokar, “Abnormality detection in ECG Signal Using Wavelets and Fourier Transform”, American Journal of Engineering and research, Vol. 5, Issue 5, May 2016.
4. Ajay Ladket, Prof. (Dr.) J.V. Kulkarni, Prof. (Dr.) S. S. Patankar “Modified Matched Filter Kernel for Classification of Hard Exudates” ICICT -16 Coimbatore, Tamilnadu, Aug 2016.
5. Abhishek Taori, Prof. (Dr.) J.V. Kulkarni Prof. (Dr. ) S.S. Patankar, Prof. A. K. Chaudhari “Segmentation of Macula in Retinal Images using Automated Seeding Region Growing Technique” ICICT -16 Coimbatore, Tamilnadu, Aug 2016.
6. Nachiket Patki, Prof. (Dr.) J. V. Kulkarni Prof. (Dr. ) S. S. Patankar “Registration of Facial Images with Out of Plane Rotation for Surveillance Application” ICICT -16 Coimbatore, Tamilnadu, Aug 2016.
7. Venketesh, Prof. (Dr.) J. V. Kulkarni, Prof. V. R. Bhanuse “Vibration analysis of cracked beam using Fuzzy logic technique” ICACDOT -16 Hinjawadi, Pune, Sept 2016.
8. Swatik Bhandhri, Prof. (Dr.) D. K. Maghade “Solid Fuel Fired Boiler Combustion Control using Fuzzy Logic Algorithm” ICACDOT -16 Hinjawadi, Pune, Sept 2016
9. Sunil Zode, Prof.(Dr.) D. K. Maghade” Gamma Radiation Source Identification Algorithm For Multisource Radiation Environment” ICACDOT -16 Hinjawadi, Pune, Sept 2016.

## **18. Details of Consultancy work**





Sr. No	Total No of Consultancies	Name of Company	No of faculty involved	Total Amount (Rs)
1	3	1. Ambica Diagnostics 2. Liebherr appliances Ltd (Project no II) 3. Pridex Medical System	3	2,85,000/-
2	1	Refrigeration Valve controller jig	1	1,00000/-

### 19. Placement and Internships

Details of students internship in AY 2016-17 semester 2

Sr.No.	Name of Student	Duration of Internship	Name of Industry	Area of Internship
1	Akshay Sawant	2 Months during 1 <sup>st</sup> June to 31 <sup>st</sup> July 2016 and	Vanderlande Industries	Automation
2	Sonam Raut	4 months during 1 <sup>st</sup> Jan to 30 <sup>th</sup> April, 2017		
3	Siddharth Patil			
4	Suresh Shelake			
5	Sachin Shinde			
6	Prateek Gundecha	1 month during 1 <sup>st</sup> July to 31 <sup>st</sup> July, 2016 and 6 month during 1 <sup>st</sup> Jan to 30 <sup>th</sup> June 2017	Wavelet Industries- Sci-Com Software	Automation
7	Tushar Borse		Wavelet Industries-IFM Group	Automation
8	Ojas Joshi	2 <sup>nd</sup> January 2017 to 30 <sup>th</sup> June 2017	GE Bangalore	Electronics/Robotics
9	Swadhin Gite	2 <sup>nd</sup> January 2017 to 30 <sup>th</sup> June 2017	Lasertechnik Berlin,	Electronics



			Germany	
10	Aaksah Dendage	2 <sup>nd</sup> January 2017 to 1 <sup>st</sup> July 2017	Thermax Ltd. Pune	Automation
11	Shivraj Pisal	2 <sup>nd</sup> January 2017 to 31 <sup>st</sup> May 2016	Cummins India Ltd	Reliability engineering
12	Dukre Agasti			
13	Pratiksha kadam	2 <sup>nd</sup> January to 30 <sup>th</sup> April 2017	Kirloskar Pneumatics Companies Ltd.	Automation
14	Rupali Ghangav			
15	Sarang Bramhanthkar	8 <sup>th</sup> January to 30 <sup>th</sup> May 2017	EEEC Pune	Automation
16	Yogesh Patil	2 <sup>nd</sup> January to 1 <sup>st</sup> July 2017	Altizon	Embedded and Communication
17	Tejas Dighe			
18	Zahid Baghwan	23 <sup>rd</sup> January to 21 <sup>st</sup> July 2047	Tech Mahindra	Embedded
19	Justin Jacobs	8 <sup>th</sup> January to 30 <sup>th</sup> May 2017	Forbes Marshall Pune	
20	Mahesh Urude		Forbes Marshall Pune	
21	Sayali Kambire		EEEC Pune	Automation
22	Iftekar Mulla			
23	Suphil Khobragade			
24	Amar Ukhalkar			
25	Sambhaji Sawant			
26	Dipesh Borole		Tech Mahindra	Embedded
27	Mohini Sawant			



28	Poonam Waghare			
29	Bhushan Late			
30	Vaishanvi Girolkar			
31	Shadi Elbasyana	27 <sup>th</sup> Feb 2017	Forbes Marshall Pune	Automation

**Placement Details: Number of student's placed-44**

Sr. No	Name of Student	Company
1	SanketSapkal	Mu-Sigma
2	MohiniSawant	Accenture
3	Nikita Kumar	Accenture
4	P.V. Rukmini	Accenture
5	Abhay Sharma	Accenture
6	Chinmay Bake	Accenture
7	DarshanaSapkal	Tech for india
8	Udayan Kate	Wills processing
9	Namita Chaudhary	Accenture
10	ShrenikSanklecha	Accenture
11	SiddharthGurav	Honeywell
12	YogeshPardeshi	Honeywell
13	Tanvi Vaidya	Honeywell
14	AkashDendge	Johnson Controls India





15	TusharBorse	Johnson Controls India
16	VishwasJadhav	Johnson Controls India
17	SiddharthPatil	Vanderlande
18	SonamRaut	Vanderlande
19	SwapnilShinde	Vanderlande
20	Suresh Shelke	Vanderlande
21	AkshaySawant	Vanderlande
22	Pratik Gundecha	Emerson
23	SharvariThokal	Emerson
24	SudarshanBadjatia	Emerson
25	ShivrajPiasl	Emerson
26	AkshayNavarkar	Emerson
27	YogeshPatil	Emerson
28	VinayWanare	Emerson
29	IftekarMulla	Praj Industries
30	DipeshBorole	Sudarshan Chemicals
31	ShaileshKamble	Tetrapak
32	SambhajiSawant	Tetrapak
33	Amar Ukhalkar	Alfa laval
34	Bjushan Late	Emerson
35	TejasDighe	Emerson
36	ShadiRaedEzzatAlbasayna	Forbes Marshall- International Placement
37	Justin Jacobs	Forbes Marshall
38	Mahesh Urude	Emerson

39	ParagTambalkar	Emerson
40	SuyogKhamgaonkar	Emerson Innovation
41	VaishnaviGirolkar	Vanderlande
42	SwadhinGite	Andres Industries AG, Berlin, Germany
43	RamchandraBakan	Lean Agri, Baner
44	ZahidBagwan	CWC Advisors

## 20. Glimpses' of Expert Lectures conducted in the Department

1. Lecture conducted for Project Engineering and Management by Industry experts



Welcome address by Head of Department along with experts from Emerson

2. Expert lecture was conducted for Third and Final Year students on the topic “Life after Graduation” by eminent Alumina Mr. Vaibhav Joshi, Executive Spider, VGlobalTech.com, software development company, USA, Technical Fellow FedEx, USA, on 2<sup>nd</sup> Aug 2016.
3. Expert lecture was conducted for Third and Second Year students on the topic “Reliability” by Mr. Rajendra Dhage, Global Reliability Specialist. Cummins Global



Analytics Center (GAC), Division of Cummins Technologies India Private Limited on 8<sup>th</sup> Oct 2016.

4. Inauguration and expert lecture by experts form Emerson for the Elective subject Batch Process Control in the department on 7<sup>th</sup> Jan 2017



Inauguration and welcome of experts from Emerson for Batch Process Control Elective Course

5. Expert lecture was conducted for Third Year students on the topic “Latest trends in Instrumentation and Automation in industry” by Mr. Rajesh Laturkar, Forbes Marshall, Pune on 7<sup>th</sup> Feb 2017.



Mr. Rajesh Laturkar along with Third Year student

6. Expert lecture was conducted for Third and Second Year students on the topic “The importance of soft skills for success in the corporate world” by Mr. Ananth Murari, Forbes Marshall, Pune on 8<sup>th</sup> Feb 2017.



Mr. Anant Murari, Forbes Marshall interacting with students during lecture

7. A Guest Lecture on the topic 'Role of Reliability in Instrumentation Engineering' by **Dr. Sanjeevani Gogawale** was organized for Second Year students in the department on 14<sup>th</sup> Feb 2017.



Dr. Sannjeevani Gogawale conducted lecture on Reliability

8. Expert lecture was conducted for Final year B. Tech students by Mr. Chandrashekhar Dhamankar, Forbes Marshall, Pune on 17<sup>th</sup> Feb 2017.



Lecture by Mr. Dhamankar, Forbes Marshall, Pune for Final year students

9. Expert lecture was conducted for Second year B. Tech students on the topic 'Employability (How COE Output can be Industry Input?)' by Mr. Chandrashekhar Dhamankar, Forbes Marshall, Pune on 17<sup>th</sup> Feb 2017.



Felicitation of Mr. Dhamankar, Forbes Marshall, Pune



Lecture by Mr. Dhamankar, Forbes Marshall, Pune

## **21. Industrial visits**

1. Visit of Third Year students was conducted to Electronet Equipment Pvt. Ltd., Pune on 11<sup>th</sup> Sept 2016.
2. **Visit of Third Year students to Chemtrols Industries Ltd. Goa.**

Chemtrols Industries Ltd. being a leading solutions provider in Process Analytics, Environment and Emission Monitoring, Flow and Terminal Automation, Process Instrumentation, Steam Engineering, and Utility Management Systems provides a viewer automation, control and process in a nutshell. To get the practical overview of the theory courses studied the students of TE Instrumentation and Control (Div-Q) were taken to Industrial Visit at Chemtrols, by Prof. Kapil Mundada on 27<sup>th</sup> March, 2017.



**Group photo of visit to Chemtrols, Goa**

1. **Workshop conducted for students**
  1. Workshop on Proteus was conducted for SY B. Tech students on 13<sup>th</sup> Aug 2016.
  2. Workshop on Power supply design conducted by Prof. Praveen Pol for Second Year students on 19<sup>th</sup> Aug 2016.
  3. Workshop on Power supply design conducted by Prof. Rajendra Patel for Third Year students in Sept 2016.