

2014-15

Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune

(An Autonomous Institute affiliated to Savitribai Phule Pune University)



Department Activities Report July 2014 – June 2015

Department of Instrumentation Engineering



Summary of Department Activities

1. Department Achievements

Sr. No	Month	Achievement	Details
1	July 2014 – May 2015	Three Online Elective courses offered by Purdue University, USA	Name of courses a) Signal Processing for Embedded Systems b) Power Electronics for Hybrid Vehicles c) Mechanics of MEMS and NEMS: Transduction and Related Topics
2	Nov 2014	Received International Society of Automation (ISA) student Chapter Charter	
3	July 2014	Elective Course on Atmospheric Instrumentation in association with IMD, Pune and 'SAMEER' IIT, Bombay	Conducted for First Year M. Tech students
4	Dec 2014	ISTE Sponsored FDP on Control System conducted in the department from 2nd Dec to 12th Dec 2014	Conducted by IIT Kharagpur

5. Department Activities

Sr. No	Date	Activity
1	26 th Sept 2015	Engineers Day Celebration
2	29th November 2014	Industry Advisory Board Meet



3	19 th May 2015	Best Outgoing student award function
4	10 th June 2015	State Level Project Competition

6. Courses offered by Industry

Sr. No	Course Name	Industry conducting the course
1	Flow measurement	Forbes Marshall, Pune
2	Project Engineering and Management	Emerson Exports Engg. Centre, Pune.
3	Industrial Flow Measurement Technique	Forbes Marshall, Pune

7. Expert/Guest lecture's: Total- 13

Sr. No	Date/ Month	Resource Person Name and Designation	Topic of Lecture	Faculty Organizer	Year
1.	7th Aug 2014	Director, ICE GATE Academy Mr. Manu Abraham	How to prepare for GATE and PSU's	Prof. Archana Chaudhari	Third Year B. Tech
2.	14th Aug 2014	Director, TIME Institute Mr. T.G. Param	Career Opportunities after graduation	Prof. Archana Chaudhari	Third Year B. Tech
3.	11th Sept 2014	Mr. Arvind Paranjape, Tata Powers	Power Plant Instrumentation	Prof. Anil Kadu	Final Year students
4.	13th Sept	Mr. Ramani Iyer from Forbes Marshall, Pune	Basics of Measurement Units-	Prof. Archana Chaudhari	Third Year



	2014		Relevance of SI (International System)		students
5.	16th Sept 2014	Mr. Vinod Paratkar	Entrepreneur as career option	Prof. Manisha Mhetre	Third and final Year B. Tech students
6.	8 th Jan 2015	Experts from ICE Gate Academy	How to prepare for Gate?	Prof. Archana Chaudhari	Second Year B. Tech
7.	27th Jan 2015	Mr. C. S. Dhamankar General Manager Technical division, Forbes Marshall, Pune.	In Pursuit of excellence from Campus to Corporate	Prof. Archana Chaudhari	Second Year B. Tech
8.	12th and 13th Feb 2015	Mr. Chiradip Lahiri, Honeywell India Pvt. Ltd	Heating Ventilation and Air Conditioning	Prof. Archana Chaudhari	Final Year students
9.	14th March 2015.	Dhananjay Dhamankar Deputy Chief Engineer, Air India	Flight Instrumentation	Prof. Pramod Kanjalkar	First Year M. Tech
10	25 th March 2015	Dhananjay Dhamankar Deputy Chief Engineer, Air India	Flight Instrumentation	Prof. Pramod Kanjalkar	First Year M. Tech
11	8th April 2015	Mr. Prasad Kulkarni, Honeywell India Pvt. Ltd	BMS and Project Life cycle management	Prof. Archana Chaudhari	Final Year students



12	17th April 2015	Omprakash Barure from Analogics Automation Pvt. Ltd.	Career in Automation industry	Prof. Anil Kadu	Third Year students
13	27th April 2015	Pune Institute of Aviation Technology	Flight Instrumentation	Prof. Anil Kadu	First Year M. Tech

8. Industrial visits organized : Total visits: 11

Sr No	Industry Visited	Faculty Organizer	Class visited	Date
1.	Poona hospital	Prof Manisha Mhetre	Final Year B. Tech.	Sept 2014
2.	Giant Meter Wave Radio Telescope (GMRT), Khodad,	Prof. Tejas Patil	Third Year B. Tech	7 th November, 2014
3.	Forbes Marshall, Pune	Prof Manisha Mhetre	First Year M. Tech	Nov 2014
4.	Forbes Marshall, Pune	Prof. Vijaukumar Bhanuse	Third Year B. Tech	27 th Jan 2015
5.	Urja Products, Shirur	Prof. Kapil Mundada	Final Year B. Tech.	27 th Jan 2015
6.	Thermax India Ltd	Prof. Kapil Mundada	Second Year B. Tech	31 st Jan 2015
7.	E-Square Multiplex	Prof. Archana Chaudhari	Final Year B. Tech.	16 th Feb 2015
8.	Honeywell India Pvt. Ltd	Prof. Archana Chaudhari	Final Year B. Tech.	11 th march 2015
9.	Forbes Marshall, Pune	Prof. Kapil Mundada	Final Year B. Tech.	24 th March 2015



10.	Forbes Marshall, Pune	Prof Manisha Mhetre	Second Year B. Tech	27 th March 2015
11.	Pune Institute of Aviation Technology	Prof. Anil Kadu	First Year M. Tech	27 th April 2015

9. Student's Achievements:

Sr. No	Name of the Student	Class	Rank/ Achievement
1.	Ajinkya Salunkhe	Final Year	Achieved First Rank in Technical Graduate Entry Exam
2.	Shubha Havaladar	Third Year	Received International Society of Automation (ISA), USA educational scholarships of \$1000
3.	Shreyash Dighe	Final Year	Best Outgoing student of year 2015
4.	Abhiraj Nambiar	Final Year	Qualified Gate 2015
5.	Amit Phadke.	Final Year	Qualified Gate 2015
6.	Sushant Mehta.	Final Year	Qualified Gate 2015
7.	Abhishek Loknar	Third Year	Firodiya Karandak
8.	Darshna Sapkal	Second Year	Firodiya Karandak
9.	Tejas Dighe	Second Year	Firodiya Karandak
10.	Bhagyashri Shirke	Second Year M. Tech	Asian Athletics Championship
11.	Atul Sonune	Third Year	Best performance in College



			Cricket Team
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10. Staff Achievements

Sr .No	Achievements	Number
1	Ph. D Completed	1
2	Publication in International Journal	5
4	Publication in Conference	10
5	Conference /Workshops/ Seminars Attended	15
6	Workshop/ Seminar Organized /Conducted	09
7	Ongoing Funded Research Projects	05
8	Patents filed	3
9	Faculty receiving various Awards	4

Detailed Report of Different Activities conducted in the department

1. Final Year student Mr. Ajinkya Salunkhe of the Department achieved First Rank in Technical Graduate Entry Exam



Paper clipping of achievement of student Ajinkya Salunkhe

2. State Level Project Competition



This year, the Instrumentation department of Vishwakarma Institute of Technology, Pune, had organized a state level project competition for all the final year students from the circuit branches of Engineering on June 10th, 2015. The main objective of the Head of the Department, Prof. Pramod Kanjalkar, was to provide a platform for students to showcase their innovative engineering through their final year projects. The competition received a footfall of 60 participating teams from over 30 colleges. The projects covered domains like process control, signal processing, embedded systems, robotics, etc.

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

- i. Mr. K. V Rehani, President, ISA, Pune section.
- ii. Mr. J. G. Bapat, Forbes Marshall, Pune
- iii. Mr. Vishwas Kale, Vijayesh instruments Pvt. Ltd.
- iv. Mrs. Sujata Tilak, Accent Informatics Pvt. Ltd.
- v. Mr. Bedarkar, SEBM, India
- vi. Mr. Chandrashekhkar Dhamankar, Forbes Marshall, Pune
- vii. Mr. Ramani Iyer, Forbes Marshall, Pune

The winners of the competition were Ms. Vishaka Mohite, Ms. Deepika Vaidya and Apporva Sharma from Cummins College of Engineering with project titled 'Customized Automation of Chiller Plant'.

The runner up were Ms. Priyanka Aher, Ms. Sukhada Saoji and Mr. Ajinkya Bhat from College Of Engineering Pune having project titled 'Anti lock breaking System' and Mr. Litty John, Mr. Govind Druit and Swapnil Sonawani from JSMP College of Engineering having project title 'Active baggage handling system'

The winners were felicitated with cash prizes of Rs 9000/- and Rs 4500/- respectively sponsored by International Society of Automation, Pune Section.



Poster of State Level Project Competition



Winners of the competition with all the staff members and ISA team

3. Best outgoing student Award function

Best outgoing student award and farewell function was organized on 19th May 2015. The chief guest for the function was Mr. Abhay Khimmatkar, Joint Managing Director - ADCC

Infocad Ltd., Nagpur and unanimously being elected as the Hon. Secretary of “The Institution of Engineers (India)-Maharashtra State Center”.

Mr. Shreyash Dighe was declared as the best outgoing student of the Department

In the function department students who excelled in different extra-curricular activities like sports and drama (Firodiya Karandak) were also felicitated by the chief guest.



Chief Guest speech during best outgoing student award



Shreyash Dighe being felicitated by Chief Guest Mr. Abhay Kimmatkar best outgoing student



4. Faculty members of Instrumentation Engineering Department visited Forbes Marshall, Pune, on Saturday 25th February 2015

As a part of industry institute interaction, faculty members of Instrumentation Engineering Department visited M/s Forbes Marshall, Pune.

Following faculty members were present during the visit:

Prof. Pramod Kanjalkar, Prof. (Dr.) Dilip Maghade, Prof. Pravin Pol, Prof. Manisha Mhetre, Prof. Shilpa Sondkar, Prof. Vijaykumar Bhanuse, Prof. Kapil Mundada, Prof. Anil Kadu, Prof. Tejas Patil, Prof. Deepali Dhande, Prof. Sujit Deokar, Prof. Rajesh Patel, Prof. Mrunal M. Shidore (Dept. of Electronics Engg.) and Mr. Nitin Auti.

Mr. C'Shekar Dhamankar, Forbes Marshall welcomed the team. Later on Mr. Mehul Vaidya inaugurated the training session of Microcon Plus DSC in the presence of Mr. Ramani Iyer, Mr. Banerjee and Mrs. Khurjekar. Mr. Mehul Vaidya briefed about the whole history of development of their newly launched Microcon Plus DCS system, its key features and rising demand by the customers. He also discussed about how their server less fully distributed system is a brain child of 60 R & D engineers.

Post inaugural discussion, Mr. Banerjee and Mrs. Khurjekar took the lead and passionately delivered a talk on Microcon Plus system highlighting minute features and specialties of both its hardware as well as software. They addressed all intervening questions raised by the faculty members appropriately.

Later, Mr. Nitin Joshi went ahead explaining insights of Vibration Monitoring System which is their second innovative product in the line of condition monitoring of rotating machines. He emphasized on the importance of measuring displacement, velocity and acceleration while monitoring condition of any rotating machine. The discussion got heated up with the active participation of faculty members and their questions, however Mr. Joshi succeeded pacifying with his answers. The session was followed by lunch.

In the afternoon, Mr. Dhamankar took faculty members to the production house where, actual manufacturing of different flow meters, gas analyzers, steam analysis set up and their calibration was being done. The whole team was delighted to see the process of manufacturing. After that, Mr. Banerjee and his team gave practical demonstration of the Microcon Plus hardware and the configuration tool (software). They showcased some of the available applications where their DCS systems are deployed by their customer.

Finally the audience was addressed by Mr. Dhamankar, Mr. Mehul Vaidya urging the need of bridging gap between industry and academia. Lastly Prof. Pramod Kanjalkar, Head of the



department thanked Ms. Forbes Marshall, Pune for giving an opportunity to get trained on their indigenously designed and manufactured DCS and ensured that the department will extend helping hand to make students aware about emerging technological advancements put forth by Forbes Marshall in near future.



Faculty member of Department in Forbes Marshall, Pune



Faculty members with Mr. Mehul Vaidy , Mr. Chandrashekhar Dhamankar and team

5. Industry Advisory Board (IAB) Meeting



Mr. CS Dhamankar, General Manager, Forbes Marshall, Pune expressing his views at IAB meet



IAB members along with department faculty at IAB meet

Minutes of First Industry Advisory Board Meeting of Instrumentation Engineering Department held at Conference Hall, VIT, Pune, on Saturday 29th November 2014

A meeting of the Industry Advisory Board (IAB) of Instrumentation Engineering Department was held in Conference Hall, VIT, Pune, on Saturday 29th November 2014 at 11 am.



The following members were present:

Sr. No.	Name of Member	Organization
1	Prof. (Dr.) Rajesh Jalnekar	Director, Vishwakarma Institute of Technology, Pune
2	Prof. (Dr.) Jayant Kulkarni	Dean- Administration and Registrar, Vishwakarma Institute of Technology, Pune
3	Mr. C'Shekhar Dhamankar	General Manager, Forbes Marshall, Pune
4	Mr. Neville Fernandes	Manager, R&D, Forbes Marshall, Pune
5	Mr. Abhay Bansod	Director, Process Systems And Solutions, Emerson Export Engineering Centre, Pune
6	Mr. Ketan Likhate	Group Program Manager, Emerson Innovation Centre, Pune
7	Mr. Deepak Vyawahare	Director, Inventive Engineering, Pune
8	Mr. Rajendra Nagaonkar	Managing Director, Electronet Equipments Pvt. Ltd., Pune
9	Mr. Rakesh Kedari	Senior Engineering Manager, Group Head- Instrumentation, AKER Solutions, Pune
10	Mr. Dileep Miskin	Head, Engineering Services & Training Centre, UL group of companies, Pune
11	Mr. Pramod Goel	Joint Director, CWPRS, Pune
12	Mr. Narendra Bari	Sr. Manager Engineering, L & T, Navi Mumbai
13	Mr. Prasad Oraskar	Project Manager, KPIT Technology, Pune
14	Mr. Rameshchandra Bhorania	Sr. Manager, Mitsubishi Electric India Pvt. Ltd., Pune
15	Prof. Pramod Kanjalkar	Head-Instrumentation Engineering Department, Vishwakarma Institute of Technology, Pune

The following department faculty was also present:

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

The following members were absent:



Sr. No.	Name of Member	Organization
1	Dr. Vishwas Udpikar	Chairman, SCI-COM Software / WAVELET TECH. Pune
2	Mr. Rajendra Gunjal	TATA Motors, Pune
3	Mr. Nandakumar Kulkarni	General Manager, Boiler and Heater, Thermax Ltd., Pune
4	Mr. Sachin Vaidya	Leader- Advanced Solutions, Honeywell Automation India Ltd., Pune
5	Mr. Sachin Sonawane	Project Engineer, Alfa Laval, Pune

Prof. Pramod Kanjalkar opened the meeting by welcoming all the dignitaries. He brief about the department activities and emphasized on strengthening the industry-institute relationship.

Prof. (Dr.) Rajesh Jalnekar delivered the key note address. He briefed about the institute and benefits of autonomy. He emphasized on the importance of IAB to bridge the gap between the industry and the institute. Through the IAB the mutual benefits of each other is possible. He assured to provide necessary support for the IAB activities.

The activity report of the department for the academic year 2013-14 was released at the hands of Mr. C'Shekhar Dhamankar and by Dr. Rajesh Jalnekar. He has initiated the open forum for the board members.

Mr. C'Shekhar Dhamankar thanked management of Vishwakarma Institutes (VI) for such initiative and committed to be associated with VI. He suggested to establish industry institute interface for following activities:

- Instrumentation Engineering Department should take initiative to build the laboratory setups like test facilities and calibration rigs which will serve the industries, mainly SMEs. It should be informed to SMEs and could be on chargeable basis.
- The department should run the short-term courses for industry on refreshing theory topics, new technologies, soft-skills, EHS, hazardous areas and about various standards etc.
- The department should give exposure on EHS policies to the students in the field of human safety and standards in view of increasing global projects activity in India, which insist on proper EHS policy implementation by industries.

Mr. Dileep Miskin highlighted the attrition rate in industry and suggested faculty should promote professional ethics and discipline among the students.

Mr. Rakesh Kedari suggested the following points:

- To prepare a portal on VIT website for IAB suggestions.



- To share the lab facilities/resources for nation building & for strengthening inter-collegiate relationships.
- Joint efforts for increase placements in core industries.
- Shown interest to start a College-Corporate relationship.
- Entrepreneurship skill development to be inculcated among students.
- Time utilization and safety awareness to be imparted to the students.

Mr. Ketan Likhate also suggested & endorsed the real need of setting up standard testing facilities or special test setups in the department for giving out certifications to the industries.

Mr. Abhay Bansod highlighted the following points:

- To prepare five-year plan for Test facility in the department by taking survey in and around Pune.
- To spread awareness about emerging technologies among students and this need not by virtue of syllabus.
- Students should be trained in the area of Information Security Management.

Mr. Neville Fernandes strongly recommended that faculty should get involvement in the Joint research projects in selected few Industry Verticals and percolate research culture in Ph.D, PG and UG students.

Mr. Deepak Vyawahare appealed to faculty members to complete research projects up to commercialization. He also endorsed to create test facilities based on industry requirement.

Mr. Rajendra Nagaonkar emphasized on increasing soft-skills aspects and internship in industry among the students to increase the employability of the students.

Mr. Pramod Goel presented CWPRS activities and highlighted the calibration and other facilities available in CWPRS for the experimentation for students. He has shown interest to sponsor projects in the area of Modeling and Simulation for M.Tech and PhD students.

Mr. Narendra Bari recommended to create the awareness about technical writing, detailed engineering, quality aspects, on time delivery, defect-free delivery and budgeting aspects among the students.

Mr. Ramesh Bhornia highlighted the need of technical awareness in recent trends of instrumentation engineering.

Prof. (Dr.) Jayant Kulkarni emphasized on importance of fundamentals of the courses and learning through collaborative research. He also made a request to the members to suggest the way of pursuing things of transformation.



He requested to the members to suggest the name of the chairman to Industry Advisory Board. Mr. Dileep Miskin nominated the name of Mr. C'Shekhar Dhamankar as a Chairman and other IAB members unanimously accepted the same.

Accordingly, Dr. Kulkarni announced the name of Mr. C'Shekhar Dhamankar as a Chairman and Prof. Pramod Kanjalkar as a Member Secretary for IAB for tenure of two years.

Prof. Sanika Patankar proposed Vote of Thanks.

Second Meeting of Industry Advisory Board

Second meeting of the Industry Advisory Board (IAB) of Instrumentation Engineering Department was held, the details are as follows:

Venue: Instrumentation Engineering Dept (4303)

Day & Date: Thursday, 15 Jan 2015

Time: 3.30 PM to 6.30 PM

Attendee:

Sr. No.	Name of Member	Organization
1	Mr. C'Shekhar Dhamankar (CSD)	General Manager, Forbes Marshall, Pune
2	Mr. Deepak Vyawahare (DV)	Director, Inventive Engineering, Pune
3	Prof. Pramod Kanjalkar	Head-Instrumentation Engineering Department, Vishwakarma Institute of Technology, Pune
4	Prof. Manisha Mhetre	Instrumentation Engg. Dept. VIT, Pune
5	Prof. Shilpa Sondkar	Instrumentation Engg. Dept. VIT, Pune
6	Prof. Jitendra Gaikwad	Instrumentation Engg. Dept. VIT, Pune

The following was discussed:

- 1) Vishay Component Pvt. Ltd., are ready to co-operate for ISA students visits, guest lecture, projects for students etc as informed by CSD
- 2) Association with Maratha chamber of Commerce will be helpful to get familiar with industries. Mr. Kopardekar contact person in Maratha Chambers(CSD and DV)



- 3) Identify the faculty to prepare proposal to DST for Calibration Laboratory setup in the different areas like hazardous, chemical testing etc.
 - a. Visit the website of PTB Germany
 - b. Netherland Measuring Institute (NMI)
 - c. Central Mining Research Institute(CMRI) Dhanbad
 - d. Seismic zone test
 - e. Fluid Control Research Institute, Palghat
 - f. For testing facility discuss with Mr. Ramani Iyyar
 - g. Visit ARAI Explosion proof facility- Meet Mr. Komwar referred by DV
- 4) Arrange workshop on CAD Programming or add course, if possible in curriculum, since this is the need of Process Engineer (DV)
- 5) Arrange the expert lecture of Mr. Dhananjay Dhamankar, Air India, Mumbai related to Aeronautical Engg or Flight Instrumentation (CSD)
- 6) Contact Mr. Datta Kulvekar, Director R & D Forbes Marshall, for research projects for faculties (CSD)
- 7) Request Mr. Shirish Chapekar Emerson Export, for Project Engineering Software, that could be made familiar to students. (DV)
- 8) Prepare time table for expert lectures, identify the topics and then search experts. (CSD and DV)
 - a. Vinod Joshi – Digital Communication
 - b. Mangesh Chinchalkar – LISP, CAD Programming
- 9) Attitude Test Softwares could help students for counseling and careers guidance (PG or job) as suggested by DV
- 10) Students should be asked to perform SWOT analysis of themselves. (CSD and DV)
- 11) Formulate the core team (CSD and DV)
- 12) Formulate IAB google group then proceed for IAB portal on VIT Website (CSD and DV)
- 13) Prepare the matrix of various topics and send to all IAB members (CSD)
- 14) DCS and Vibration Set Up from Forbes Marshall can be availed in concessional rate for VIT. Faculty members may visit to see DCS in Forbes Marshall. (CSD)

Third Meeting of Industry Advisory Board

Third 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: Wed, April 8, 2015

Time: 3:00PM to 5:00PM

The following members were present:

Sr. No.	Name of Member	Organization
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1	Dr. Vishwas Udpikar	Chairman, SCI-COM Software / WAVELET TECH. Pune
2	Mr. Suhas Kulkarni	Manager, Wavelet Group
3	Mr. Satish Godbole	Wavelet Group
4	Ms. Aditi Athavale	HR Wavelet Group

The following department faculty was also present:

15. Prof P.M.Kanjalkar
16. Prof. (Dr.) Dilip Maghade
17. Prof. (Dr.) Shilpa Sondkar
18. Prof. Praveen Pol
19. Prof. Manisha Mhetre
20. Prof. (Dr.) Sanika Patankar,
21. Prof. Jitendra Gaikwad
22. Prof. Vijaykumar Bhanuse,
23. Prof. Kapil Mundada
24. Prof. Rajendra Patel
25. Prof. Anil Kadu
26. Prof. Tejas Patil
27. Prof. Archana Chaudhari
28. 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) Suggestion by Dr. Vishwas Udpikar to include courses of Flight instrumentation and Atmospheric Instrumentation.
- 3) Lecture by Dr. Vishwas Udpikar to 3rd year and Final year Students.
- 4) Demonstration of Projects from Wavelet Group by Mr. Satish Godbole.
- 5) Visit of Wavelet team to labs of Instrumentation Engineering Dept.
- 6) Demonstration of Projects by M. Tech Students.
- 7) Discussions on 1year internship/Dissertation work by M. Tech Students at Wavelet / IFM.

6. ISTE Sponsored Faculty Development Program on Control System



Participants of the Main workshop on Control System held in the department

ISTE Sponsored FDP on Control System conducted by IIT Kharagpur organised in the department from 2nd Dec to 12th Dec 2015. The institute being one of the remote centers for facilitating teachers in and around Pune stepped forward and hosted the session. This initiative was a part of the 'National Mission on Education through ICT,' which is supported by MHRD. Prof. (Dr.) Dilip K. Maghade looked after as a faculty coordinator of the remote centre to handle the technology infrastructure and other operational logistics. Additionally, Prof. Tejas G. Patil looked after the smooth conduction of theory, lab and tutorial sessions of the subject. Eighteen faculties from various engineering colleges took benefit of interactive sessions of theory and lab experiment.

7. Celebration of Engineer's Day 2014

Engineers Day was celebrated on 26th Sept, 2014 in the department. Chief Guest for the function were "Mr. Yogesh Gurjar" Managing Director, Dispomed Incorporate and Dispotronics.



Dean Administration, Dr. J. V. Kulkarni felicitating
Chief Guest Dr. Yogesh Gurjar



Saraswati Poojan by Guest

On this occasion various competitions were organized by the students namely

- a. Techno hunt
- b. Poster making. The topics for the Poster making competition were:
 - i) Space and Me
 - ii) Technology: Experience Something New
- c. Mini project Competition

Glimpses' of Various Competitions held on Engineers Day



Participants of Techno Hunt Competition



Participants of Mini Project competition along with Judges of the competition



Judges at Poster making competition



Mini Project competition demonstration

Felicitation of Prize Winners for Engineers Day



Winners for Mini Project Competition entitled “Drive train using CVT and differential”: Pratik Palse, Vrushab Madnaik, Kedar Rege, Akshay Kale



Winners for Techno hunt: Tushar Kakde, Venugopal Mamidi and Shiwani Pable



Winners for Poster competition entitled “Space and Me”:
Sonika Bhoje and Priyanka Walunj



Winner for Poster competition entitled “Technology:
Experience Something New”: Annujj Agarwal

8. Best Mini Project Awards

Mini project is a part of the curriculum in Second Year and Third Year. From this year the department has started the practice of felicitation of students who received the Best Mini Project Award.

Academic Year 2013-14

Following is the list of Second Year students who received the mini project awards

- a) Mini Project entitled “ Sensor Signal Conditioning and Simulation using IC 7107” by Ajit Borude and Tushar Londhe under the guidance of Prof. Anil Kadu
- b) Mini Project entitled “ Design and Development of LVDT sensor” by Ashwath G, Aniket Kulkarni and Keshav Kulkarni under the guidance of Prof. Vijaykumar Bhanuse

Following is the list of Third Year students who received the mini project awards

- a) Mini Project entitled “Kitchen Automation: Automated gas Control” by Prateek Nagras, Mayur Shelke, Gaurav Vikhe and Satyavrat Wagale under the guidance of Prof. Kapil Mundada
- a) Mini Project entitled “Real Time Motion Estimation using Image Processing” by Abhiraj Nambiar, Prakash Shukla, Pradnyesh Surwade, Siddhant Shah under the guidance of Prof. Tejas Patil



Academic Year 2014-15 (SEM I)

Following is the list of Second Year students who received the mini project awards

- a) Mini Project entitled “Level Measurement using appropriate sensor” by Avaduth Panchal, Shrikant Paraskar, Parag Tambalkar, Tamil Mani under the guidance of Prof. Shilpa Sondkar
- b) Mini Project entitled “Wireless Hovercraft” by Abhay Kumar, Ramchandra Bakan, Tejas Dighe, Swadhin Gite under the guidance of Prof. Kapil Mundada

Following is the list of Third Year students who received the mini project awards

- a) Mini Project entitled “Blue Tooth based Home Automation” by Shraddha Pabale, Harshal Santoshwar, Rohit Shinde, Utharsha Sonje under the guidance of Prof. Rajendra Patel.
- b) Mini Project entitled “Segregator Robot” by Shubha Hawaldar, Vismaya Walawalkar, Vismaya Walawalkar, Tushar Londe under the guidance of Prof. Rajendra Patel.

Academic Year 2014-15 (SEM II)

Following is the list of Second Year students who received the mini project awards

- a) Mini Project entitled “Automation of Gas knob for Pressure Cooker” by Siddhart Patil, Shivraj Patil, under the guidance of Prof. Kapil Mundada
- b) Mini Project entitled “Temperature Data logger using PIC microcontroller” by under the guidance of Prof. Archana Chaudhari

Following is the list of Third Year students who received the mini project awards

- a) Mini Project entitled “Heart Pulse Rate Measurement system” by Shivani Burad, and Khudabux Irani under the guidance of Prof. Deepali Dhande.
- b) Mini Project entitled “Brake Failure indication for four wheeler vehicle” by Pallavi Pawar, Priyanka Walunj Sayali Pathak under the guidance of Prof. Kapil Mundada.



9. Online Elective courses by Purdue University

- i) Signal Processing for Embedded Systems
- ii) Power Electronics for Hybrid Vehicles
- iii) Mechanics of MEMS and NEMS: Transduction and Related Topics

10. Courses and Training offered by Industry

1) Flow measurement PD course by Forbes Marshall, Pune.

A professional development course (PD) was offered for the third year students of the department by Forbes Marshall, Pune. 19 students enrolled and took benefit of this course. As the course was offered and taught by the Industry personals, it helped the students to understand the current industry trends and needs in the area of flow measurement. Various important contents as per the industry needs were covered in the course.

Following industry experts from Forbes Marshall, Pune conducted the course:

Mr. Ramani Iyer, Mr. K. S. Srinivasan, Mr. J. G. Bapat and Mr. Neville Fernandes

2) Project Engineering Management (PEM) course by Emerson, Pune.

A course was offered to the final year students of the department by Emerson Exports Engineering Centre, Pune. As the course was offered and taught by the Industry personnel, it helped the students to understand the current industry trends and needs in the area of Project management. Various important contents as per the industry needs were covered in the course.

Following industry experts from Emerson (Pune) conducted the course

Mr. Shirish Chaphekar, Vice President, EEEEC Pune

Mr. Jayateerth Kulkarni, Director, EEEEC Pune

Mr. Subba Rao, Mr. Rajesh Prabhune and Mr. Yogesh Patil

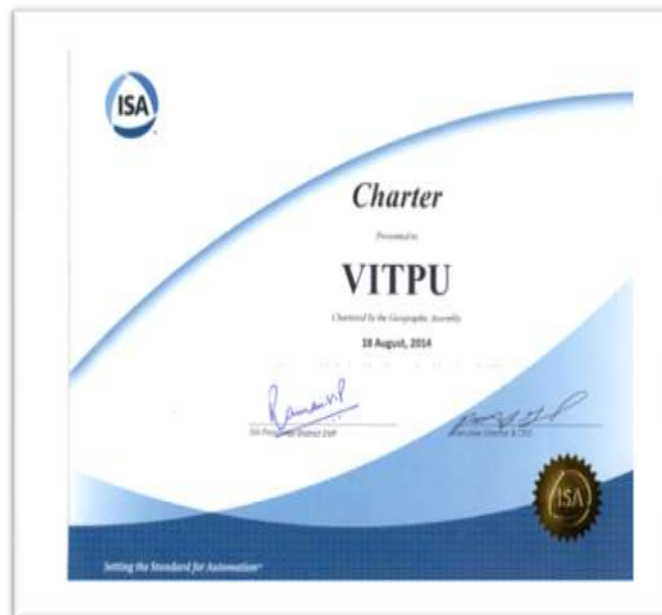


Mr Shirish Chapekar from EmersonExport Engineering Centre conducting lecture on Project Management



Mr. Subba Rao and Mr. Rajiv Chandra from Emerson Export Engineering Centre conducting lecture on Project Management

11. International Society of Automation (ISA) student Chapter was formed in the Department and the charter was received in Nov 2014.



12. First Year M. Tech. Elective Course “Atmospheric Instrumentation” conducted by IMD in collaboration with ‘SAMEER’ IIT, Powai.

13. Placements of the students in the Department



No of students placed- 35

Sr. No	Name of student	Name of the Company
1.	ChavanPrajaktaSharad	Honeywell
2.	Borse Shraddha Popatrao	Wipro
3.	AditiKajale	Honeywell
4.	ShreyashDighe	Tetra Pak India Pvt. Ltd.
5.	PrathameshVinayakKolekar	Uhde
6.	KushalPillay	MAPYN Technologies Pvt. Ltd.
7.	VirajKshutrya	Tetra Pak India Pvt. Ltd.
8.	Sushant Mehta	Emerson
9.	Kulkarni Gaurav Vilas	Emerson
10.	Fulpagare Hitesh Ramesh	Sudarshan Chemicals



11.	Bhave Sachchidanand Arvind	Cognizant
12.	Hemant Anil Jagtap	Accenture
13.	Neha Joshi	Emerson
14.	DaradeYogeshMadhukar	Jacobs
15.	Jani Tanay Sanjay	Cognizant
16.	Joshi Abhishek Shashank	Accenture
17.	NagrasPrateek Ashok	Tetra Pak India Pvt Ltd.
18.	Prakash Shukla	Honeywell
19.	ShahapurkarRohitRavikant	Tata Elxsi
20.	SabarishGopalakrishnan	Emerson
21.	Amit Sunil Phadke	Emerson
22.	Pranjal Vaidya	Emerson
23.	AbhishekTavaskar	Cognizant
24.	TelawaneSayaliArvind	Honeywell
25.	NayanChourasia	Jacobs
26.	RoliParsai	Emerson
27.	RishyabKoul	Honeywell
28.	NambiarAbhirajRajan	Emerson
29.	Sandeep NagoraoSuryawanshi	Tetra Pak India Pvt Ltd.
30.	Tiwari AmitkumarOmprakash	Emerson
31.	PhalleAnaghaRamakant	Honeywell
32.	VirkarShwetaSuryakant	Tetra Pak India Pvt Ltd.
33.	ManojGhowalde	Emerson
34.	MayurVitthalShelke	Emerson
35.	Dinesh Bhallal	Electronet

14. Consultancy Projects/Research Grants in the department by the Faculty

Title	Sponsoring Agency	Faculty involved	Duration
Testing of mobile motor starter	Ieyze corporation Ltd. Pune	Mr. P. M. Kanjalkar &Mr. J. A. Gaikwad	2014-15 (1 Year)
Energy meter calibration system	Kalashri Calibration Equipments Pvt. Ltd	Mr. Rajendra Patel Mrs. Manisha Mhetre and Mr. P. V. Pol	2014- 15 (6 months)
Wifi Connectivity for CO2	Surgdent Equipments Pvt.ltd	Mr. Rajendra Patel	2014- 15 (1 year)



insufficulator			
Implementation of wireless HART Nodes	S.B Electromech Pvt. Ltd.	Mr. Rajendra Patel and Mrs. Shilpa Sondkar	2014 - 15(1 Year)
Smart sit to stand wheel chair for handicapped person	BCUD research grant, University of Pune. (Grant received Rs 1,50,000)	Mrs. Manisha Mhetre and Mr Kapil Mundada	2014-15

Faculty Publications (June 2014 to June 2015)

International Journal

1. Sanika S. Patankar, Jayant V. Kulkarni, "Orthogonal moments for determining correspondence between vessel bifurcations for retinal image registration", Journal of Computer Methods and Programs in Biomedicine, Elsevier, 2015
2. Ali S. Allahloh, Yasser Hatem, Shilpa Sondkar, " Wireless TCP/IP Ethernet for PLC, SCADA, Communication using OPC Server", International Journal of Applied Engineering Research, April 2015
3. Shekhar Shivam, Archana Chaudhari, Abhijit Pawar, Jayant Kulkarni, "Segmentation of TOF-MRA Blood Vessels Using GMM & EM Algorithm", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.44 (2015).
4. Tanay Jani, Manisha Mhetre, " Strain measurement and analysis on the load ion Universal Testing Machine", International Journal of Application in Engineering and Management, Vol-3, Issue-12, Dec. 2014



5. Manisha Mhetre, Jai Tejay, H. K. Abhiyankar, “Design optimization of microelectro magnetis generator used for energy harvesting from breathing”, Indian Journal of Applied Research, Vol 4, Issue 12, Dec 2014, ISSN 2249-555X

International Conference

6. G.Sundar Vadivel , Kapil Mundada, Pramod Kanjalkar, “Fail safe wireless sensor network using cooperative communication” IEEE International Conference ICAEE 2014, VIT, Vellore
7. Rhushikesh Thite, Shilpa Y. Sondkar, “ Estimation of AR / ARMA Signal Model for Gear Mesh Vibration Signal” ,IEEE International Conference on Advanced Communication Control and Computing Technologies – ICACCCT 2014, Syed Ammal Engineering College , Ramanathapuram, Tamilnadu, India, June 8-10, 2014
8. Kunal Lohar and D. K. Maghade, “Mathematical Modeling of Gyroscope for Balancing of Helicopter”, Proceedings of IRF International Conference, Pune, India. June- 2014.
9. Satish S. Wanarase, Tejas G. Patil, Sanika S. Patankar, Jayant V. Kulkarni, “ Class quantification of aerial images using Maximum Likelihood Estimation”, First IEEE International conference on Network and Soft computing, 19th -20th Aug. 2014
10. Charudatta C Chaudhari, J. A. Gaikwad, Jayant V. Kulkarni, "Experimental Investigation of Crack Detection in Cantilever Beam Using Vibration Analysis", ICNSC- 14, July 2014.
11. Yogita K Chaudhari, J. A. Gaikwad, Jayant V. Kulkarni, "Vibration Analysis for Bearing Fault Detection in Electrical Motors", ICNSC- 14, July 2014.



12. Manisha Mhetre, “Voltage generation using piezoelectric sensor from human exhalation, 2nd International Conference on computing for sustainable Global Development, Indiacom-2015.
13. Archana Chaudhari, Abhijit Pawar, Jayant Kulkarni, "Pixel Classification based Brain MR Image segmentation", IEEE conference ICIC 2015, College of Engineering, Pune.
14. Sujit M Deokar, Bhaveek Dhaigude, “Blind Audio Watermarking Based On Discrete Wavelet and Cosine Transform”,IEEE conference ICIC 2015, College of Engineering, Pune.
National Conference
- 15 Ketan Mahajan, Venkatesh Talekar, Vijaykumar Bhanuse, “ Investigation of Crack detection in Cantilever Beam”, National Conference on, Modeling, Optimization and Control, 4th -6th March 2015, NCMOC – 2015.
- 16 Adwait A. Borwankar, Ajay S. Ladkat, Manisha R. Mhetre, “Thermal Transducers Analysis”, National Conference on, Modeling, Optimization and Control, 4th -6 th March 2015, NCMOC – 2015.
- 17 Shalaka. D. Urkude, Sneha. N. Khadtare, Anil B. Kadu, “Design of Automatic plant Drip Irrigation system using Android with various sensor”, National Conference on, Modeling, Optimization and Control, 4th -6 th March 2015, NCMOC – 2015.
- 18 Sujit M. Deokar, “Image Invisible Watermarking using Discrete Cosine Transform”, National Conference on, Modeling, Optimization and Control, 4th -6th March 2015, NCMOC – 2015.
- 19 Pranay Nandanwar ,Manisha R. Mhetre ,Rajendra Patel, “Pumping of fluid using an Electronic Dosing Pump in microlitre range”, National Conference on, Modeling, Optimization and Control, 4th -6 th March 2015, NCMOC – 2015.



- 20 Priyanka Wadje, Dilip K. Maghade, “Design of Fractional Order PID Controller Using FOMCON Toolbox”, National Conference on, Modeling, Optimization and Control, 4th - 6 th March 2015, NCMOC – 2015.
- 21 Jayesh D. Patil, Dilip K. Maghade, “Empirical Modeling of Level Process Loop using Labview”, National Conference on, Modeling, Optimization and Control, 4th -6 th March 2015, NCMOC – 2015.
- 22 Bhagyashree Bharti, Praveen Pol, Rajendra Patel, “Development of a System for Automation of Electronic Energy Meter Calibration”, National Conference on, Modeling, Optimization and Control, 4th -6 th March 2015, NCMOC – 2015.

Workshops/ presentations conducted by faculty outside the organization

1. Prof. Dr. Dilip Maghade conducted one day workshop on Latex at Bhor on 9th Aug 2014
2. Prof. and Head of Department Pramod Kanjalkar and Prof. Jitendra Gaikwad were invited for presenting “Best Practices in curriculum” at College of Engineering Pune on 8th Aug 2014,a workshop jointly organized by COEP and DTE.



Prof. Pramod Kanjalkar in presentation at College of Engineering, Pune



3. Prof Vijaykumar Bhanuse, conducted expert lecture at PVPIT college Budhgaon on 13th Sept 2014

Workshops attended by Faculty

1. Prof. Shilpa Sondkar attended workshop on Matlab on 15th July 2014 conducted by Mathworks in Pune.
2. Prof. J. A. Gaikwad and Prof. Anil Kadu attended workshop by ISA on Industry Institute Interaction: bridging the gap held in Analogics Automation on 21st Aug 2014 in Pune.
3. Prof. Anil Kadu attended workshop conducted by NPTEL on 18th Sept 2014 at Baramati.
4. Prof. Vijaykumar Bhanuse, Prof J. A. Gaikwad and Head of Department Prof. Pramod Kanjalkar attended workshop on 27th Sept 2014 on Innovation in Water Treatment and sustainable water supply using SCADA in Pune.
5. Prof. Dr. Dilip Maghade attended meeting of Adhoc board in Instrumentation Engineering at Shivaji University Kolhapur.
6. Prof. Dr. Dilip Maghade attended “Coordinator Main Workshop on Control System” at IIT Kharagpur from 15th Sept to 20th Sept 2014.
7. Prof. Anil Kadu and Prof. Archana Chaudhari attended “Main Workshop on Control System” at VIT, Pune from 2nd Dec to 12th Dec 2014.
8. Prof. Tejas Patil attended Faculty development program on “Optimal control System” at College of Engineering, Pune from 5th to 9th January 2015.



Participants of the Optimal Control System program held in COEP

9. Prof. Tejas Patil attended “Winter School on Statistical Data Analysis Methods” organized by Indian Statistical Institute, Kolkata from 16th Feb to 20th Feb.



Participants of the Winter School - 2015

10. Prof. Anil Kadu attended workshop on “Advances in Variable Structure and Sliding Mode Control”, conducted by Conducted by IIT Bombay during May 28 -June 01, 2015.
11. Prof. Sujit Deokar participated as Innovator in Kumbhaton 2015 organized by Massachusetts Institute of Technology, USA. From 24th to 30th Jan 2015.



12. Prof. Sujit Deokar participated in Intel Software Conference 2015 for 'Emerging Technology Track'. Held on 11th March 2015.
13. Prof. Sujit Deokar participated in Research Scholar's Confluence 2015, organized by IIT, Bombay, held from 20th-21st March 2015.
14. Prof. Deepali Dhande attended two-day CEP Course on Use of Circuit Simulation in Teaching Electronics on March 27-28, 2015, at Electrical Department, IIT-Bombay.
15. Prof. Kapil Mundada attended three day workshop on “MRI Training Course” at IIT, Powai from 19th June to 21st June 2015.

Staff Achievements

1. Prof. Shilpa Sondkar received second prize for outstanding paper award by Forbes Marshall Pvt. Ltd. on National Technology day celebrated on 11th May 2015.
2. Prof. Shilpa Sondkar participated in Avishkar project competition on 22nd Sept 2014 and her project was selected as best project under Ph. D. category
3. The following faculty received the VIT SHRI award on 1st Sept 2014 Foundation day
 - a) Prof. Dr. Dilip Maghade for publication in Journal



Prof. Dr. Dilip Maghade being felicitated during foundation day on 1st Sept 2014

b) Prof. Dr. Dilip Maghade for Exam administration



Prof. Dr. Dilip Maghade being felicitated during foundation day on 1st Sept 2014

c) Prof. Jitendra Gaikwad for Well Appraised Teacher



Prof. Jitendra Gaikwad being felicitated during foundation day on 1st Sept 2014

d) Prof. Shilpa Sondkar for publication in Journal



Prof. Shilpa Sondkar being felicitated during foundation day on 1st Sept 2014

e) Prof. Kapil Mundada for Administration – Cultural Activities



Prof. Kapil Mundada being felicitated during foundation day on 1st Sept 2014

Guest Lectures organized in the Department

1. Guest lecture for third Year B. Tech students on “How to prepare for GATE and PSU’s” on Thursday 7th Aug 2014 by Director, ICE GATE Academy Mr. Manu Abraham



Mr. Manu Abraham conducting lecture

2. Guest Lecture on “Career Opportunities after graduation” on Thursday 14th Aug 2014 by Director, TIME Institute Mr. T.G. Param.



Mr. T.G. Param conducting lecture

3. Guest lecture for Final Year B. Tech. students on “ Power Plant Instrumentation” by Mr. Arvind Paranjape, Tata Powers on 11th Sept 2014 by Prof. Anil Kadu



Mr. Arvind Paranjape conducting guest lecture

4. Guest lecture for third and final Year B. Tech students on “Entrepreneur as career option” by Mr. Vinod Paratkar on 16th Sept 2014.



Mr. Vinod Paratkar conducting guest lecture

5. Guest Lecture on “Basics of Measurement Units- Relevance of SI (International System)” organized on 13th Sept 2014 by Mr. Ramani Iyer from Forbes Marshall, Pune for Third Year students



Mr. Ramani Iyer from Forbes Marshall conducting lecture

6. Interaction of ISA Pune section members with faculty members of Instrumentation



Interaction of ISA Pune section members with faculty members

7. Guest lecture was organized in department for Second Year students on 8th Jan 2015 by ICE Gate Academy “How to prepare for GATE?” by Prof. Archana Chaudhari



Expert from ICE Gate Academy conducting lecture

8. Guest lecture was organized in department by Prof. Archana Chaudhari under ISA students chapter for Second Year B. Tech. Students on “ In Pursuit of excellence from Campus to Corporate” on 27th Jan 2015. The lecture was conducted by Mr. C. S. Dhamankar General Manager Technical division, Forbes Marshall, Pune.



9. Guest lecture was organized in department by Prof. Archana Chaudhari for final year B. Tech students for the subject Building Automation and Security System on “Heating Ventilation and Air Conditioning” by Mr. Chiradip Lahiri on 12th and 13th February 2015
10. Guest lecture was organized in department by Prof. Pramod Kanjalkar for First Year M. Tech students for the subject “Flight Instrumentation” by Mr. Dhanjay Dhamenke on 14th March 2015.
11. Guest lecture was organized in department by Prof. Archana Chaudhari for final year B. Tech students for the subject Building Automation and Security System on “BMS and Project Life cycle management” by Mr. Prasad Kulkarni, Honeywell India Ltd on 8th April 2015
12. Guest lecture organized for by Prof. Anil Kadu for Third Year B. Tech students on “Career in Automation industry” by Mr. Omprakash Barure from Analogics Automation Pvt. Ltd. on 17th April 2015.
13. Guest lecture organized in the department for first Year M. Tech students for subject “Flight Instrumentation” by Dhananjay Dhamankar Deputy Chief Engineer, Air India on 25th March 2015
14. Guest lecture organized for by Prof. Anil Kadu for first Year M. Tech students for subject “Flight Instrumentation” by Pune Institute of Aviation Technology on 27th April 2015.

Workshops organized/ conducted in the Department

1. Two days PLC programming workshop was organized by Prof. J. A. Gaikwad for the faculty members and conducted by Mitsubishi Company on 25th and 26th July 2014.



PLC programming workshop conducted by Mitsubishi experts

2. AVR Microcontroller workshop conducted for the Third Year B. Tech students by the Final year B. Tech. students on 14th Sept 2014 under ISA student activity.



Third year students conducting workshop on AVR microcontroller for students of the department

3. One day workshop conducted by Prof. Shilpa Sondkar and Prof. Deepali Dhande on Matlab and Simulink on 23rd Aug 2014 for First Year M.Tech. students



Matlab workshop conducted in the department for PG students

4. One day workshop conducted by Prof. Shilpa Sondkar and Prof. Deepali Dhande on Matlab and Simulink on 30th Aug 2014 for Final Year B.Tech. students.



Matlab workshop conducted in the department for UG students

5. One day workshop conducted for Final Year students on Open CV by First Year M. Tech. students.

6. One day workshop conducted under ISA student section for Second Year students on “Circuit making using Proteus software” by Prof. Sujit Deokar on 17th Jan 2015.



Prof. Sujit Deokar conducting workshop along with Prof.. Rajendra Patel and ISA student members

7. One day workshop conducted under ISA student section for Second Year students on “PCB design using DIPTRACE” by Third Year student on 21st Jan 2015.



Third Year student conducting workshop

8. One day workshop conducted under ISA student section for all students of the department on “LATEX Technical Writing software” by Second Year M. Tech. on 24th Jan 2015.



Latex workshop being attended by students

Industrial Visits organized in the Department

1. Prof Manisha Mhetre along with Mr. Nitin Auti visited Poona hospital with Final Year B.Tech. students in Sept 2014 as part of curriculum (Bio-image Modality).
2. Prof. Tejas Patil organized a visit to Giant Meter Wave Radio Telescope (GMRT), Khodad, on 7th November, 2014 for students of Third Year as part of syllabus.



Students along with faculty members near the GMRT receptor

3. Prof Manisha Mhetre organized Industrial Visit for First Year M. Tech. students in Forbes Marshall, Pune. The visit was conducted by Prof. Shilpa Sondkar and Prof. Rajendra Patel along with the students.
4. Prof. Vijaukumar Bhanuse organized Industrial Visit for Third Year B. Tech. students in Forbes Marshall, Pune on 27th Jan 2015



Students along with faculty members at Forbes Marshall, Pune



5. Prof. Kapil Mundada organized Industrial Visit for Final Year B. Tech. students at Kuthwal Foods Ltd, Urja Products, Shirur on 27th Jan 2015.
6. Prof. Kapil Mundada organized Industrial Visit for Second Year B. Tech. students at Thermax India Ltd on 31st Jan 2015
7. Prof. Archana Chaudhari organized Industrial Visit for Final Year B. Tech. students at E-Square Multiplex for the subject Building Automation and Security Systems on 16th Feb 2015
8. Prof. Archana Chaudhari organized Industrial Visit for Final Year B. Tech. students at Honeywell India Ltd. for the subject Building Automation and Security Systems on 11th march 2015



Student's industrial visit to Honeywell India Ltd

9. Prof. Kapil Mundada organized Industrial Visit for final Year B. Tech. students at Forbes Marshall, Pune on 24th March 2015
10. Prof. Manisha Mhetre organized Industrial Visit for Second Year B. Tech. students at Forbes Marshall, Pune on 27th March 2015



11. Prof. Anil Kadu organized industrial visit for first Year M. Tech students for subject “Flight Instrumentation” by Pune Institute of Aviation Technology on 27th April 2015.



Visit of First Year M. Tech students to Pune Institute of Aviation Technology

Glimpses of Alumni Activity conducted

Alumni meet at Department of Instrumentation Engineering

Date : 26 December 2014, Friday Venue : Rm. 4309, Department of Instrumentation Engg. ,Lab

No of alumni attended: 6 Alumni core committee and 3 Faculty

1. Meeting started at 11.00 am with welcome of alumni to department of Instrumentation Engineering.
2. Head of Department Prof. P. M. Kanjalkar welcomed alumni and introduced the event motivation.
3. Alumni were invited to decide the road map for the Alumni involvement in the department.
4. Discussion on orientation session to be planned for the next SEM for the students has been carried out by Kaustubh Moharil, Atmanathan, Madhav Raskar, Ameya Paratkar, Akash shah etc.
5. Head of the department explained the importance of Alumni involvement as a mentor for the students. Everybody agreed for the development of the students as friends and Decided to have a common group for fast interaction and Alumni connect.
7. Mhetre Madam, will be the coordinating authority for the same.



8. Discussion on self development of students suggested Atul Lande.

Program ended with vote of thanks by Prof. Sondkar.

1. Lecture on “Carrier opportunities in Germany”, by Sanket Gera (2008) batch on 10th January 2015.
2. Guidance on “Emerson Interview preparation” by Abhijit Murgunde (2013), November 2014
3. Lecture on “Demystifying the beast of BE projects”. By Ms. Shubhada Kulkarni (2002) with 2 games focusing on team building and knowledge sharing followed by discussion on project as part of curriculum, how to form a team, how to approach companies, how to work on a project.
4. Lecture series organized for Third Year and Final Year B. Tech students on “Career guidance in Instrumentation” by team of Alumina students of 2002 batch, Mr. Atmanathan, Mr. Akash Shah and Mr. Madhav Raskar on 26th Aug 2014 and 9th Aug 2014 in the department.



Students attending lecture series conducted by Alumina

5. Guest lecture by Mr. Atul Lande Alumni 1998 Instrumentation Engineering Dept., Managing Director of Synergy Study Center on “MPSC and UPSC career guidance” for third Year B. Tech students on 19th Aug 2014.



Alumina conducting lecture

6. Mentoring of Third Year students with Alumni on 9th Aug 2014: Akshay Ghadge best outgoing student of 2013 batches and Alumina of 2013 working in Texas Instruments mentoring third Year B. Tech students.



Mentoring of students with Alumina



Second Alumni meeting at Department of Instrumentation Engineering

Date: 16 May 2015, Saturday Venue: Rm. 4304, Department of Instrumentation Engg.

No of alumni attended: 7 Alumni and Department faculty

1. Head of the department after warm welcome shared the autonomous structure of the department to all alumni friends.
2. Autonomous structure helps in giving state of the art knowledge to students is explained by head of the department.
3. Shubhada kulkarni, Akash shah, kaustubh Moharil expressed their views about Course outcome, Program outcome of the department.
4. Discussion on how to improve placement opportunities opens up the alumni involvement by planning the lectures on interview preparation and group discussion Views by Yogesh Bhalerao, Deepak Raikar.
5. Discussion about miniproject and implementation about the same has been carried out By Anand chordia, Ghanysham Mane