

e-Newsletter
Instrumentation Engg. Dept.

Tech-chronicle



Website: www.ipoeinstru@gmail.com

facebook page: IOPE Instru
(JUNE-2019 TO DEC-2019)

**Prepared by: Student Association of Instrumentation
Engineering**



Dr. Vedala Rama Sastri

B.E,M.Tech, Phd

Vice Chancellor



Dr. Madhukar Ambadas Dabhade

B.E,M.Tech, Phd

Principal

INSTITUTE OF PETROCHEMICAL ENGINEERING,LONERE

VISION

To transform the institute into a seat of learning and contemplation so as to provide comprehensive technical education at Diploma and Post Diploma level and create world class technicians oriented towards lifelong learning.

MISSION

We in this institute commit ourselves to realize our vision through continuous quality improvement of faculty and staff adopting a vibrant curriculum and scientific delivery and a culture of transforming appropriate technologies to rural areas and the underprivileged people.

Faculty & staff of the Instrumentation Department

Name: Dr. D. S. Karanjkar

Designation : Head of Department

Qualification : Ph. D (Engg.Tech.)

Area of Expertise: Process control, AI based control systems, Fractional order controllers, MPPT controller in solar power generation system.

Email: dskaranjkar@dbatu.ac.in



Name: S. G. Hingmire

Designation : Selection Grade Lecturer

Qualification : M.Tech (Instrumentation & Control)

Area of Expertise: Process control, Control system Industrial instrumentation.

Email: sgHINGMIRE@dbatu.ac.in



Name: S. G. Karad

Designation : Lecturer

Qualification : M. E. (Instrumentation & Control) ,Persuing Phd at NITTTR Chandigarh

Area of Expertise: Process control, Process control, Fuzzy logic and ANN, Fractional Order control system.

Email: sgkarad@dbatu.ac.in



Name: Mrs. S. S. Swami

Designation : Lecturer

Qualification : M. Tech (Instrumentation Engg.)

Area of Expertise: Computerized Process Control.

Email: swami_seema@rediffmail.com



Name: Mr. P.S.Jadhav

Designation : Lecturer

Qualification : M. Tech (Instrumentation Engg.)

Area of Expertise:Sensor Technology

Email:

Name : Rupesh Malore

Designation : Lab Assistant

Qualification : Diploma in Instrumentation Engg



DEPARTMENT OF INSTRUMENTATION ENGINEERING

The Department of Instrumentation Engineering was established in 1994 and Diploma Program in Instrumentation Engg. was started with the annual intake of 40 students, (present intake is 60 students). The Department has been able to create a fairly perfect infrastructure for imparting knowledge of Instrumentation Engineering. Department has been accredited by N.B.A. New Delhi for 3 years during 2004-2007. The Department has well qualified & experienced faculty & staff. Department has an active student section.

VISION AND MISSION OF THE DEPARTMENT

VISION

The aim of the department is to impart quality Diploma level education in Instrumentation Engineering to produce excellent technical manpower, motivated towards continuous learning.

MISSION

No.	Mission
M1	To provide quality Instrumentation Engineering education for successful professional career through employment / self-employment and higher studies with time to time curriculum up-gradation and modern teaching methodologies.
M2	To promote Industry/Institute involvement in In-plant training, placement, projects, expert lectures and workshops to disseminate the knowledge and skills in a planned manner.
M3	To produce quality technical & ethical manpower to uplift life style of people of rural area of Konkan.
M4	To motivate faculty for continuous quality improvement to cope-up with recent technologies.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Department will produce Diploma Instrumentation Engineers who:

NO.	PEO
PEO1	Are successful employed / competent self-employed technocrat or accepted into higher studies with technical and management skills.
PEO2	Act with issues relating to society, environment and business with professional skills and ethical attitude.
PEO3	Exhibit self- learning capabilities to understand new and emerging technologies and oriented towards life-long learning.

PROGRAM OUTCOMES (POs)

- 1.Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2.Problem analysis:** Identify and analyses well-defined engineering problems using codified standard methods.
- 3.Design/development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- 4.Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5.Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6.Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- 7.Life-long learning:** Ability to analyses individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Understand and use of basic concepts in various domains of Instrumentation engineering such as Industrial measurements, Process Instrumentation, Electronic Instruments and Measurements, Feedback control System, Microprocessor and Microcontroller.

PSO2: Apply and upgrade the knowledge and skills to use and develop Instrumentation products and systems for development of society.

PSO3: Utilize technical and managerial skills to satisfy industrial needs ethically and efficiently.

STUDENTS ASSOCIATION OF INSTRUMENTATION ENGINEERING(SAIE)

Student Association of Instrumentation Engineering (SAIE) is departmental student level association and all the students from First to Third Year Instrumentation Engineering are the members of the association. Students perform different technical and social activities throughout the year. The activities start with Fresher's Welcome function every year. Many expert lectures, technical workshops, industrial visits and talks are arranged for departmental and students. Department level sports competitions; Fresher and Farewell are also arranged every year. The association activities enhance the students' skills such as event and time management, technical competencies and also develop binding with social issues and responsibilities for society.

VISION AND MISSION OF STUDENTS ASSOCIATION OF INSTRUMENTATION ENGINEERING

VISION

Our vision is to represent vibrant student community in which members have the opportunity to expand their horizons for overall development of each and every member, association, department and Institute.

MISSION

Our mission is to have a continuous growing dynamic student association through conducting curricular, co-curricular, extra-curricular and socially important activities and events in order to provide opportunities and platform for personal, departmental and institutional progress.

SAIE CORE COMMITTEE 2019-20

President :- 1.Rohit Raut

2. Pratik Bhoy

3. Deep Patel

Vice President :- 1.Shubham Bel

2.Saloni Mane

3. Mrunmai Morajkar

Secretary :- 1. Shivani More

2. Aishwarya Kharsamble

3. Niyati Thamke

Treasurer :- 1. Rahatwilkar Toufique

2. Sanika Kurulakar

Class Representative :- Yash Agarwal

Ladies Representative :- Sakshi Ayare

Faculty Adviser :- Prof. Mrs.S. S.Swami

Head of Department :- Dr. D. S. Karanjkar

At a Glance

S.No.	Event
1	Gurupornima
2	Induction program
3	Parents Meet
4	Celebrating 150 th birth anniversary of Mahatma Gandhi
5	Visit to Sane Guruji Rastriya Smarak
6	Brisker-2019 and Gandhi Jayanti
7	Expert Lecture
8	Unity in Diversity for the event Run for unity
9	Institute level slogan/card competition
10	Parents Meet

Activities organised by

SAIE

CELEBRATION OF GURUPORNIMA

On 16th July 2019 Department of Instrumentation Engineering and Student Association of Instrumentation Engineering has organized a program on the occasion of Gurupornima.



+ INDUCTION PROGRAM 2K19 FOR 1ST YEAR STUDENTS

An induction program for 1st year students is organised during 1st August 2019 to 3rd August 2019.



+ PARENTS MEET-AUG 2019

On 1st August 2019 Department of Instrumentation Engineering and Student Association of Instrumentation Engineering has organized a Parents meet.



+ CELEBRATING 150TH BIRTH ANNIVERSARY OF MAHATMA GANDHIJI

To pay tribute and celebrate 150th Birth Anniversary of father of Nation Mahatma Gandhiji the department of Instrumentation Engineering and SAIE has arranged the speech, essay and poster presentation competitions on 3rd Aug 2019.



+ CELEBRATION OF TEACHERS DAY

On 5th Sept. 2019 Department of Instrumentation Engineering and Student Association of Instrumentation Engineering has celebrated Teacher's day.



+ VISIT TO SANE GURUJI RASHTRIYA SMARAK, VADGHAR

A visit to Sane Guruji Rashtriya Smarak, Vadghar on 24th of September 2019 was organised for cleanliness drive.



+ Brisker 2K19 and Gandhi Jayanti

Department has organized a welcome function to 1st year and 2nd year DA Students and also Celebration of Gandhi Jayanti.



✚ EXPERT LECTURE ON ADVANCED DRIVER ASSISTANT SYSTEM

An Expert Lecture on Advanced Driver Assistant System conducted by an expert Mr. Hemant Neckar for 3rd year Students of Diploma in Instrumentation Engineering. The Expert Lecture was held on 31st October 2019.



✚ UNITY IN DIVERSITY FOR THE EVENT “RUN FOR UNITY”

Department of Instrumentation Engineering has organised Unity in Diversity for the event “Run for unity” to celebrate National Unity Day on 31st October 2019



✚ INSTITUTE LEVEL SLOGAN/CARD COMPETITION

Institute of Petrochemical Engg. And Students Association of Instrumentation Engg. has arranged a Slogan/Card competition on the behalf of Birth Anniversary of Maulana Abul Kalam Azad which is on 11th Nov 2019. The event was held on 8th November 2019. The topic for Slogan/Card competition was “Importance of Education and the Nation’s commitment to all aspects of Education”.



PARENTS MEET

Department of Instrumentation Engineering and students Association of instrumentation Engineering has organised Parents meet of 1st, 2nd and 3rd year Instrumentation Engineering on 8th November 2019. Mr. Dharmaraj Mane has been awarded with parent of the year award.



CLEANING FORTNIGHT

Department of Instrumentation Engineering and students Association of instrumentation Engineering has organised Cleaning fortnight of the department and surrounding area. All 2nd and 3rd year Instrumentation Engineering students have participated in the activity held from 9th Dec 2019 to 24 Dec 2019.



Speech competition winners

1st AkshayJangam

2nd SwapnilKharkar

3rd Saloni Mane

Poster presentation competition winners

1st Aditya Ture

2nd Priyanka Potphode

3rd Samidha Birje

Essay competition winners

1st ChinmayLokhande

2nd Krupali Naik

3rd Prasad Lokhande

Traditional day competition winners

1st Saloni Mane

2nd AkshayJangam

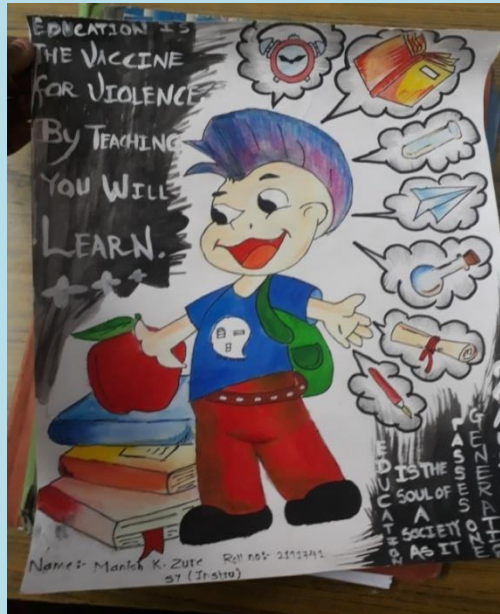
3rd AishwaryaKharsamble

Institute level Slogan/card competition winners

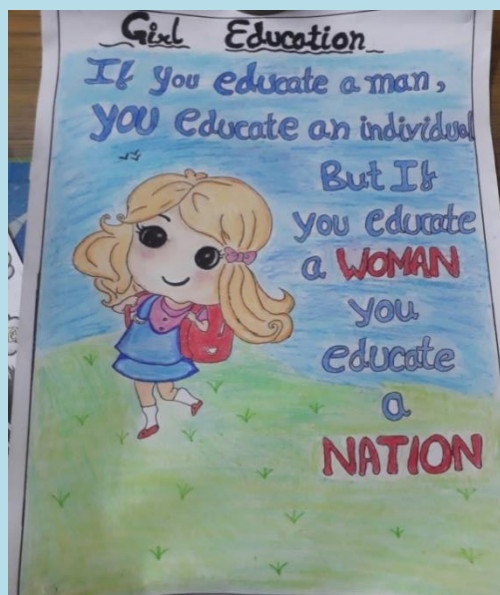
1st Manish zure

2nd Samidha Birje

Students Corner



Poster prepared by Manish Zure



Poster prepared by Samida Birje

Toppers of 2019 Batch



Placement 2018-19

No.	Name of Student	Placements
1.	Sandesh Suresh Agbul	Deepak Fertilisers And Petrochemicals Corporation Limited, Taloja, Navi Mumbai
2.	Pratik Maruti Narwade	
3.	Ganesh Gopal Bhilare	Godrej & Boyce vikroli, Mumbai
4.	Saurabh Shankar Shedge	
5.	Sujay Kishor Kharkar	L&T, Mumbai

ALUMNI SUCCESS STORIES

Sameer Kelkar

Instrumentation Engineer

Hindustan Aeronautics Limited

Completed Diploma in Instrumentation Engineering (1999)

M. Tech in Instrumentation & Control From COEP.



Shamal Salunkhe

Associate Professor, Department of Instrumentation Eggs., RAIT, Navi Mumbai

ME (I & C), pursuing PhD from VJTI Mumbai.

Benefits from DIPLOMA : 1. Excellent faculty 2. Well equipped labs 3. Close proximity to home 4. Lots of opportunity in field of instrumentation

Ajinkya Modgi

John Wiley & Sons

Benefits from Diploma: Selected via campus placement in Supreme Petrochemicals Ltd in 2010. Good help of knowledge acquired during diploma while doing work in current organization though it is non technical



Reeya Dhondage

BE (Instru) from Cummins COE for Women, Pune

Project Engineer, Virtuoso Projects and Engg Ltd.

Previously worked as a Lecturer IOPE, Lonere

Benefits from DIPLOMA: Good Knowledge which is helpful while studying as well as during job.



Prasad Moreshwar Joshi

Company - Turck India Automation Pvt Ltd.

Benefits of Diploma specially in IOPE - Excellent Technical Knowledge with practical exposers, good motivational Staff, and more importantly supportive nature of staff for extra curricular activities during academics.

Saurabh Shankar Shedge

Year of passing:- 2018 - 2019

Placed company name:- Godrej & Boyce, Vikhroli

4.Salary/package:- 17,000 / month (2.04/ annum)





Name - Mohini Sawant

Placed - Accenture Solutions Pvt LTD

Diploma was a foundation that helped me build the core knowledge. All the basic topics covered helped me to understand the real life implementation of all the concepts

Name - Sujay Kishor Kharkar
Year of passing - 2019
Placed company - L & T
Salary - 2.39 Lakh



Name:- Pratik Maruti Narawade

Year of passing:- 2018 - 2019

Placed company :- Deepak Fertilizers & Petrochemical Corporation Ltd.

Salary: Approx. 1.8/ annum



Abhishek Ambetkar

Placed Company: Johnson Controls India Ltd.

Salary: 3.8LPA

Benefit from Diploma: Basic Fundamentals of Instrumentation very clearly understood which helped me in clearing Interviews, Improved Management Skills, Discipline, Career Guidance



Name - Vaishali Suresh Sangle

Placed - Emerson Export Engineering Center II , Nashik

Salary - 4.51 per annum

Benefits of Diploma: After completing my diploma in Instrumentation, I done my BE and M. Tech from Pune. The knowledge which I acquired in IoPE helped me a lot in my higher study as well as for my job interview.

Name :- Ganesh Gopal Bhilare
Year of passing:- 2018 - 2019
Placed company:-Godrej & Boyce, Vikhroli
Salary/package:- 2.04 lakh/ annum



Name- Mahesh Urude

Placed- Emerson

Salary- 6.5 L

Benefits of Diploma: Education during Diploma makes us technically strong and have well industry exposure, Diploma students have good Project Experience that helps during Degree projects





Name: Dipesh Sanjaykumar Sinha
Year of Passing : 2017-18
College: Doing B. Tech at College of Engineering, Pune
Diploma gives me lot of basic knowledge about our branch which is very useful for me to learn new concepts while studying in Degree. Diploma helps us for overall development through technical knowledge as well as co-curricular activities.

Name - Dipak Sinha (Diploma-2014 batch)

Pass out Engineering-2017

Placement during Engineering-Emerson Export engineering Center, Pune

Current salary-6.5 to 7 lakhs

Benefit of Diploma- I had very beautiful experienced during diploma. It helps me to gain technical knowledge and skills which is really valuable for my carrier in instrumentation. I am always Thankful to my honourable teachers, mentors for developing my carrier.



Name -Tushar Sunil Bhayade

Diploma Pass-out year: 2011, Completed BE from Mumbai University

Working in Vinati Organics Ltd., Lote as Instrumentation Engineer

Benefits of Diploma: Take care of overall development, also I got the help during my job search after completing my degree.

Dipesh Laxman Borole

Year of passing :- 2011

Company :- S. H. Kelkar Company Ltd.

Salary :- 5.3 LPA



Name - Mohasin Shabir Patle

Year of pass-out - 2014

Company - Blumenbecker KAT Automation Pvt. Ltd. Pune

The diploma course in IOPE help me to make my basic concept clear.

Also the practise of referring reference books helps me a lot throughout my technical education and now in work too.



Name: Sandesh Ganpat Bhadavkar

Placed Company : Honeywell Automation (Pune)

Package/salary: 5.5 LPA

Benefit from Diploma : Throughout those 3 years of diploma I learned different subjects related to actual process, Instrumentation and automation.

Those three years of diploma helped me in different ways. By completing diploma I got admission in one of the oldest engineering colleges in Asia, College of Engineering Pune.

Throughout my B. Tech, base knowledge given by Diploma subjects helped me a lot. Diploma academic subjects have been developed in such manner that those will help you during Engineering.



Name : Yakub Mubin Gangrekar

Year of Pass-out : 2017

Placed College : College of Engineering, Pune

Pursuing Diploma in Instrumentation Engineering from IOPE turned out to be one of the best decision of my life. The knowledge I got, both theoretical as well as practical was very helpful for me not only in diploma but also today in B. Tech. The out of the book lessons given by teachers have benefitted me in several ways.