



Department of Instrumentation and Control

Academic Year 2023-2024

Sr. No.	Department Activities
I	Extra Co-curricular Activities
1.	<p>Solar power system for direct DC light in the Principal Cabin: Our TE students, under the guidance of Dr. Satish R. Devane (Principal) along with faculty Dr. A. K. Patil, successfully designed, wired, installed, and tested a solar power system for direct DC light in the Principal Cabin. This activity serves as an example of a self-sustainable college campus in terms of energy, fostering understanding of the economic and sustainable source of energy among students and faculty regarding solar systems. (01/09/2023)</p> <div data-bbox="241 760 1129 1409"></div> <div data-bbox="1150 760 2037 1409"></div>

2. **Industrial Automation Training:** In collaboration with Fox Solutions Pvt. Ltd., Nashik, the department has commenced the 9th batch (comprising 26 BE Students) of the MVP-FOX Automation Training program. This program provides high-quality professional training in industrial automation, catering to the increasing demand for skilled technical manpower across diverse automation settings. Conducted by industry experts from FOX Solutions, these training activities take place at our department. Through hands-on training, this course enriches students' understanding of automation in industries, utilizing various tools such as PLC, Drives, SCADA, and HMI. (12/09 to 08/11/2023)



3. **Development of Off-Grid Solar Power System for School:** Under the coordination of Dr. A.K. Patil, our TE students participated in an activity where they successfully designed, installed, and tested an Off-Grid Solar Power System at Janata Vidyalaya, Matori, as part of the Unnat Bharat Abhyan initiative. This endeavor marks a significant stride towards a self-sustainable campus in meeting energy requirements. By implementing this system, the school resolved the issue of load shedding and raised awareness among students and villagers about the benefits of eco-friendly power sources. (16/09/2023)



4. **Three days Industrial training on DC Drives by FOX Solutions Pvt. Ltd. at NEC, Nashik:** At NEC, Nashik, Fox Automation Solutions Pvt. Ltd. organized a training session for two faculty members and 26 BE students. The training covered fundamental topics such as drives, electrical principles, and hands-on practice, focusing on configuration and programming of the DC Drive V90. Every student and faculty member actively participated in the drive programming and configuration exercises during the sessions. (29/09, 3-4/10/2023)



5. **Expert Session:** Mr. Shekhar Borse, CEO of Borse Automotive Pvt. Ltd., led an expert session on "Evolution of Emerging Automotive Instrumentation and Embedded Systems in E-Vehicles." (17/08/2023)



6. **Expert Session:** Mr. Shreekant Patil, Chairman of the NIMA (Nashik Industries & Manufacturers' Association) Committee and a seasoned mentor in the startup ecosystem of Nasik, delivered an insightful talk on "Startup India." Drawing from his extensive experience and expertise in fostering entrepreneurial ventures, Mr. Patil discussed the various facets of the Startup India initiative. He elaborated on the key principles, support mechanisms, and opportunities provided by Startup India to empower aspiring entrepreneurs and promote innovation-driven enterprises across the country. (22/08/2023)



7. **Sponsor Project at CEAT, Nashik:** During his visit to CEAT Limited, Nashik, our faculty member Mr. S. R. Pandit engaged in discussions with Mr. Dnyaneshwar Dhagate, the HR Manager. Mr. Pandit conducted a thorough review of the final projects completed by our students, seeking feedback and insights from Mr. Dhagate. This visit provided a valuable opportunity for our faculty member to connect with industry professionals, gain practical insights, and strengthen the industry-academia partnership for mutual benefit. (29/11/2023)



8. **Expert Session:** Our department hosted an expert session titled "Educational Opportunities Abroad after Engineering" facilitated by Mr. Amit Gore and Mr. Hiren Panjwani from Akshay Study Abroad Consultants, Nashik. The session was specifically tailored to guide our final and third-year students on the path to pursuing Masters abroad. Mr. Gore and Mr. Panjwani provided comprehensive advice on preparing for overseas education, including insights into the application process, necessary exams, and essential documentation. (31/10/2023)



9. **Expert Session:** Mr. Vikram Bhide, CEO of Viks Bee Solutions, conducted an expert session on "Open-Source Data Visualization Tools - Orange." During the session, Mr. Bhide provided insights into the utilization of the Orange tool for data visualization purposes. This session was invaluable for attendees seeking to enhance their data analysis skills and utilize open-source tools for visualization in their projects or professional endeavors. (14/10/2023)



10. **Expert Session:** The department organized an expert session aimed at second-year students focusing on "Positive Thinking and Personality Development." The session was led by Mrs. Rupa Shinde, a counselor from MVPS's KBTCOE, Nashik. Mrs. Shinde shared insights and strategies to cultivate a positive mindset and enhance personal development. (17/10/2023)



11. **Expert Session:** The department organized an expert session tailored for third-year students centered on "Emotional Intelligence." This session was led by Mrs. Rupa Shinde, a seasoned counselor from MVPS's KBTCOE, Nashik. Mrs. Shinde delved into the significance of emotional intelligence in personal and professional development, offering practical insights and strategies to enhance EQ skills. (01/11/2023)



12. **Parent-Teacher Meet:** Our Instrumentation and Control engineering department conducted Parents-Teacher Meet. Thanks to all the Respected Parents for sparing their valuable time and gracing the occasion. For this meet parents were coming from Nashik, Malegaon, Satana and Ahmednagar. In this program, we felicitated all our 2023-24 batch placed students, first three Toppers of all classes, and students who worked on Unnat Bharat Abhiyaan by hands of their respective Parents. (14/10/2023)



13. **Avishkar Project Competition:** Three of our final year Instrumentation and Control Engineering students, namely Mr. Aditya Bagul, Mr. Ajinkya Uphade, and Mr. Nilesh Uphade, showcased their talents and dedication by participating in the Pune University Avishkar Project Competition. Their project, titled "Study and Implementation of Insect Identification Techniques for Plants and Trees," was selected at the Zonal Level held at KKW COE, Nashik. This achievement earned them the opportunity to advance to the next level at the University. Throughout the project, Dr. A. R. Kulkarni and Dr. S. B. Sonwane (Dean R and D) provided invaluable guidance and mentorship to the students, assisting them in navigating the complexities of their research and development efforts. (28/10/2023)



14. **External Academic and Administrative Audit of AY 2022-23:** The IQAC (Internal Quality Assurance Cell) conducted the external audit for our department for the academic year 2022-23. Dr. S.G. Ghalme, Associate Professor & HOD in the Mechanical Department at SITRC, Nashik, served as the expert auditor for this audit. The audit involved the presence of all faculty members, who meticulously checked and verified all the documents as per the IQAC checklist. (25/11/2023, 10:00 am onwards)



15. **Student achievement in MSIC competition:** Our BE students, Mr. Prashant Shinde, Mr. Harshad Udamale, and Mr. Prajwal Shinde, showcased their innovative skill by participating in the Maharashtra Student Innovation Challenge (MSIC). They presented their groundbreaking idea on "Automatic Irrigation System using PLC and SCADA using Soil Moisture and NPK Sensor." Their innovative concept impressed the judges and was selected at the Nashik district level. As a recognition of their ingenuity, the students were awarded Rs. 1 Lakh in seed funding to implement their idea. Moreover, they were encouraged to pursue their entrepreneurial aspirations and establish their startup. Their achievement was celebrated and they were felicitated by the Honorable Minister, Dadaji Bhuse, further motivating them to continue their journey towards innovation and entrepreneurship. (26/01/2024.)



16. **Expert session on Study Abroad:** The department organized an expert session on studying abroad, specifically tailored for BE and TE students. The session featured distinguished speakers, Mr. K. P. Singh, founder Director of KP Singh Education Pvt. Ltd., and Mr. Nitin Lathe from IMFS Mumbai. Overall, the expert session provided BE and TE students with invaluable guidance and resources to navigate the process of studying abroad, empowering them to pursue their academic aspirations on an international platform. (07/03/2024)



17. **Parent-Teacher Meet:** Our Instrumentation and Control engineering department conducted a Parents-Teacher Meet. During this meet, we felicitated all our 2023-24 batch placed students, University merit list rankers, toppers of all classes, and students who are recognized for their achievements. In this department organized session on Parenting by Ms. Rupa Shinde, Counsellor of our college. (09/03/2024)



18. **Internal Academic and Administrative Audit of AY 2023-24:** Our department underwent an internal audit for the Academic Year 2023-24 conducted by the Internal Quality Assurance Cell (IQAC). The audit was overseen by IQAC members Mr. Arvind Meshram from the E&TC department and Mr. Manoj Patil from the Civil department, who served as auditors. The department head and all faculty members were present during the audit process, where they meticulously checked and verified all the documents in accordance with the IQAC checklist. Following the audit, the external auditor provided valuable suggestions for further improvement. (13/04/2024)



19. **Expert session:** An expert session on 'Engineering Management Skills' was organized for the TE Instrumentation and Control Engineering students. The session was conducted by Dr. Rupali Mahale, Professor from the MBA Department in Nashik. (16/04/2024)



20. **Expert session:** For BE students, an expert session on the 'Design of Rooftop Solar Photovoltaic Systems' was conducted by Mr. Prasad Joshi, Professor from the Electrical Department of MVPS's KBT COE, Nashik. The session will include a practical demonstration. (16/04/2024)



II Social Activities

1. **Project Bandhan Participation:** Our TE students actively participated in the social activity Project Bandhan, which involved conducting a Rakhi making activity using bamboo and natural materials. They trained students from six different Ashram schools in Peth and Dindori areas of Nashik on how to make Rakhi. It's wonderful to see such engagement and contribution to the community. (23/08/2023)



III Workshop/FDP

1. **Workshop on Design Thinking:** A total of 13 students from the SE and TE classes participated in this workshop organized by the Department of E&TC. The workshop focused on exploring the concept of the design thinking process and its significance for engineers. Various multidisciplinary student groups were formed during the workshop to conduct group activities based on given problem statements. Through this workshop, students learned how to think critically, solve problems, and demonstrate design solutions for given challenges. (15/09/2023)



2. **FDP on Engineering Consultancy Services: Opportunities and Challenges:** At our department, we organized a session titled "Problem Identification and Challenges" as part of the FDP. Mr. Mangesh Bhanage, Director of HRRDC Pvt. Ltd. Nashik, conducted the session. Faculty members from the E&TC and Instrumentation departments attended this insightful session. (02/01/2024, 11:30 am to 1:00 pm)



3. **FDP on Engineering Consultancy Services: Opportunities and Challenges:** In this FDP our department has organized session on “Entrepreneurial Journey in Engineering Consultancy: Business Model” by Mr. Shreekanth Patil, Chairman, NIMA Nashik at our department. In this session faculty members of E&TC and Instrumentation departments were present for attending this session. (02/01/2024, 2:00 pm to 5:00 pm)



4. **Faculty Development Program:** The Department of Instrumentation & Control Engineering organized a two-day State Level Faculty Development Program on "Artificial Intelligence and its Practice using Python". The FDP saw participation from a total of 25 faculty members from MVPS's KBT COE and other colleges. Dr. Gargi Phadke, a Professor at RAIT, Mumbai, served as the expert/resource person for the event. (21-22/03/2024.)



5. **Faculty Development Program:** The FDP on "Instrumentation for Diverse Industry Automation" was organized by our department. Mr. Nalge, Head of the Control & Instrumentation department, along with his 8 team members from Toyo Engineering India Pvt Ltd, Mumbai, delivered various sessions. In these sessions, they covered an overview of Instrumentation and Control, understanding instrumentation in process industries, basics of control systems and their applications, instrumentation required for construction engineering, and understanding Floating Production Storage and Offloading (FPSO) and its importance. (06/04/2024)



6. Our college had the pleasure of hosting Ms. Sayali Kakade from the Tata Indian Institute of Skills (TIIS), who delivered an informative presentation on the institute's specialized courses in Industrial Automation and Robotics, as well as EV Battery Technology. These courses aim to equip students with industry-relevant skills and knowledge, preparing them for successful careers in these dynamic fields. The program was attended by all final-year students. (24/01/2024).



IV Alumni visits and activities

1. Alumni **Mr. Digvijay Kanoje**, Assistant Manager, Oriental Insurance CO. Ltd, **Ms. Sonam Jagtap**, Data Management Executive, Patco Precisions Components Pvt Ltd. Nashik visited. (05/08/2023)



2. **Expert Session:** By alumni **Mr. Prajwal Joshi**, Embedded Engineer, APTIV TCI, Bengaluru, India on "Emerging Trends and Role of Embedded systems in Automotive sector." (12/08/2023)



3. **Expert Session:** By Mr. Mayur Sakhare, Control Engineer, ATLAS Copco, Comptex, LLC, USA on “**Success story to USA along with Industry requirements from fresh Engineering graduate.**” (18/08/2023)



4. **Value Added Session:** By alumni Mr. Yuvraj Savant, Principal and Technical Head, LumiraDx, Mumbai on “**Personality Development and Scope of Instrumentation and Control Engineering in today’s era.**” In this session, he focused on to Motivate students and make them aware about the importance of Personality Development. To Explore students about the scope and career in Instrumentation Engineering in today's era. He also explored students with the basic skills required to acquire something in the world, Importance of Time Management, how to prioritize the tasks effectively (23/09/2023)



5. **Expert session:** By our alumni **Mr. Bhagyajit Kale**, Project Manager, FOX Solutions Pvt. Ltd, Nashik on “Value Adding Industrial Interactions for Placements” for our TE, BE Instrumentation and Control engineering students. In this session he guided our students regarding skills requirements and its importance for industries. Also, he suggested students to find out core industries for their placement. (06/10/2023).



6. Our Alumni **Ms. Pooja Ramesh Madane**, Sr. Executive projects, FOX Solutions Nashik for visited our Instrumentation and Control engineering department, interacted with faculty and students. (02/11/2023)



7. **Mr. Dadasaheb Pawar (Our Alumni) Director, Teklogica Controls System, Nashik** visited our Instrumentation and Control engineering department, interacted with faculty and students. In this visit he has assured assistance for Internship, Project and Placement of Students. (24/11/2023)



8. **Mr. Shrejay Dhavale, Mr. Mahendra Gunjal and Mr. Nishant Jadhav (Our Alumni 2020 Batch)**, visited our Instrumentation and Control engineering department, interacted with faculty members. (26/12/2023)



9. **Mr. Azharuddin M. Yaligar** (Our Alumni 2006 Batch), Honeywell Automation India Ltd. Pune visited our Instrumentation and Control engineering department, interacted with faculty members. (24/11/2023)



10. **Mr. Ashwin Waghchaure** (2018 batch pass out) Software Engineer, Finastra Ltd, Pune visited our Department of Instrumentation & Control Engineering. In this visit he shared his success story as an Engineer and also discussed few ongoing projects of his company. Also **Mr. Kshitij Sawant** (2018 batch pass out) Senior Application Development Analyst, Accenture Pvt Ltd, Bangalore visited our department. In this visit He shown keen interest in interacting with students and providing them any kind of help in future regarding Internship, Projects. (26/03/2024)



11. **Mr. Rakesh Singh** (2010 batch Pass out), Inventory Manager, Supply Chain, Flipkart Pvt Ltd, Thane visited our Department. He shared his working experience with his organization. He ready to mentor our students and ready to support them any kind of help in future regarding Internship, Projects and Entrepreneurship. (22/03/2024)



12. **Mr. Shubham Thakur** (2016 batch pass out), Elmeasure Pvt. Ltd. Pune visited our department. (26/03/2024)



13. **Admission for Higher Study:** Mr. Kaustubh Balve, 2022-23 pass out batch students got admission for Masters Medical Systems Engineering at OVGU Magdeburg, Germany. Department staff members congratulated him and given best wishes to him for his future bright career. Before joining his master education, he visited department. (14/02/2024)



14. **Admission for Higher Study:** Ms. Bhakti Manoj Boob, 2022-23 pass out batch student got admission for Master's in Embedded Computing Systems at RPTU Kaiserslautern, Germany. Department staff members congratulated her and given best wishes to her for her future bright career. Before joining her master education, she visited department. (13/03/2024)



15. **Admission for Higher Study:** Mr. Tanmay Sanjay Aher and Mr. Atharva Sanjay More (2022-23 pass out batch) visited our department after getting their selection and confirmation for their Master's admission. Mr. Tanmay got admission in Technology and Innovation Management at Hochschule, Harz, University of Applied Science, Germany and Mr. Atharv got in Biomedical Engineering at Hochschule, Anhalt, Germany. (10/04/2024)



IV Industry Interaction

1. **Department Visit:** Mr. Girish Kangane, Director at Eastro Control System Pvt. visited our department. He had interacted with our faculty members and final year students. In this visit he assured assistance for internship, projects and placement of students. We very thankful to him for sparing his valuable time for our department. (09/11/2023)



2. **Department Visit:** Mr. Rao, Director and Mr. Shirude, Purchase Manager, Bharat Wire Ropes Ltd. visited our department. It was fruitful visit and they assured campus recruitment drive for 2024 instrumentation GETs in this visit. (21/09/2023)



3. **Department Visit:** Mr. Mangesh Bhanage, HRRDC Pvt. Ltd. visited our department. In this visit he discussed problem solving skill with students and also guided faculty members of department about teaching learning methodologies. (23/11/2023)



4. **Visit of SE Class at Advantage Nashik Foundation, Traffic Education Park, Nashik. (12/09/2023)**



5. **Visit of Borse Automotive, Nashik:** Final year Instrumentation and Control engineering students visited Borse Automotive Nashik and Conducted Practical on CMS, CAN protocols, OCPP protocol, Various parameters measurements in electrical vehicles, Circuit animation of Pulsar N160, Working of energy meter, EVSQ, electrical bike demonstration, Autonomous vehicle for agriculture and pet bottle shredder machine, cloth bag vending machine. Total 49 students were present and successfully conducted practical on above said topics. (20/10/2023)



6. **Placement Drive:** Mr. Nilesh Kute, Managing Director and Mr. Gajanan Shinde, Managing Partner of ICT Solutions Pvt. Ltd. Visited our department and conducted campus placement drive for our final year students. In this drive they selected our Mr. Abhishek Bankar, Mr. Onkar Dhavale, Mr. Harshad Udamale, Mr. Nilesh Uphade, Ms. Savi Khairnar and Mr. Anuja Nalkar with INR 4.1 LPA. (28/10/2023).



7. **Visit of Caprihans India Limited, Nashik:** Third year Instrumentation and Control engineering students visited Caprihans India Limited Nashik which is one of the manufacturers of Polyvinyl Chloride (PVC) film in India. In this visit students are seen manufacturing of Coated Paper Lidding Foil packaging material suitable for Pharma and non-Pharma products. It maintains high barrier properties by laminating specialized coating on paper. (23/01/2024)



8. **MoU with Orient Automation & Services, Pune:** Our department has signed MoU with Orient, Pune which is a leading and upcoming company growing fast in the field of automation in association with OMRON and MITSUBISHI. Under this MoU, company has conducted placement drive at our college and given job opportunity to our 4 students (Mr. Rohit Dabhade, Mr. Prashant Shinde, Ms. Adity Jagtap and Ms. Sakshi Honrao) from final year batch by offering CTC of INR 2.7 LPA. During this, Ms. Anuja Tathe and Mr. Amey Kulkarni, Directors of Orient visited our department and assured different activities with department in future. (07/02/2024)



9. **Placement Campus Drive:** Department has initialized campus drive of Artee Flow Control Pvt. Ltd. Pune for placement of our final year students. In this drive company has selected our five students (Sonali Kasav, Sakshi Thakare, Sahil Nigal, Saurabh Sonawane and Shubham Patil) and given them opportunity to work with them with offering annual CTC of 3.2 LPA. (14/02/ 2024)



10. **Department Visit:** Mr. Kaustubh Gitapathi, Director at Kimaya Automation Pvt. Ltd. Pune visited our department. In this visit he discusses internship, sponsored projects and placement opportunities in his company. He also conducted campus drive for our final year students. (27/02/2024)



11. **Department Visit:** Mr. Nazim Uruslanovich, Director of International Corporation & Candidate of Technical Sciences, Associate Professor from Russia visited our department to understand teaching and learning processes in engineering colleges from India. (16/04/2024)



V Outside Interaction

1. **Expert for NBA Mock Visit:** Dr. Parvat B.J. was invited as a program expert for NBA Mock of Instrumentation & Control Engineering at Pravara Rural Engineering College, Loni. (24/06/2023)



2. **Expert for NBA Mock Visit:** Dr. Parvat B.J. was invited as a program expert for NBA Mock of Instrumentation & Control Engineering at Dr. D.Y. Patil Institute of Technology, Pune. (12/09/2023)



3. **Expert for Aviskar-2023:** Aviskar-2023 at Maharashtra University of Health Sciences, Nashik, must have been a platform for showcasing innovative research and projects in the field of health sciences. Dr. Parvat B.J. was invited as an examiner for such a project competition. It's great to see universities fostering such opportunities for students and professionals to share their work and advance knowledge in their respective fields. (06/12/2023)



4. **Expert for FDP:** Dr. Parvat B.J. was invited as a Expert for one-week Faculty Development Program on “Readiness for National Board of Accreditation (NBA)” at Shri Chhatrapati Shivaji Maharaj College of Engineering, Nepti, Ahmednagar. (21/12/2023)



5. **Sport activities:** Our department students won first prize during college annual sport week (Fusion-2024) in Kabaddi, Cricket and Long Tennis sport games. (Sport week 22 to 29/01/2024)

