



JSPM's
JAYAWANTRAO SAWANT POLYTECHNIC
Sr. No. 58, Handewadi Road, Hadapsar, Pune- 28.
Department Of Electronics & Telecommunication Engineering
Academic Year 2022-23



Byte

Bulletin

By
**ELECTRONICS & TELECOMMUNICATION
DEPARTMENT**

DEPARTMENT VISION AND MISSION

VISION

To impart knowledge of Electronics and communication to support the socio-Industry requirement.

MISSION

- M1 To provide effective teaching learning process through ICT based activities.
- M2 To enhance professional skills through extra and co-curricular activities.
- M3 To develop technical resource in the field of Electronics & Telecommunication engineering following ethics.

Chief Editor: Mrs. M. M. Kulkarni
Staff Editor: Mrs.N.J.Jadhav
Student Editor: Ms. Ganesh Pranali K

MESSAGE FROM FOUNDER SECRETARY



JSPM's Jayawantrao Sawant Polytechnic was established in 2006 with the objective of creating center of excellence for education in the field of Engineering. The main objective behind starting the institute was to make technical education available to all who are desirous of achieving it. I also visualized that a social transformation can

be brought through the medium of dynamic education, Jayawantrao Sawant Polytechnic is, thus, an institution of technical education with social commitment. With India and Indians, emerging as leaders across various professional sectors, it becomes an even greater challenge for the education sector to nurture and groom such abundant talent, which is all set to take industry's quest for excellence to dazzling new heights.

We have created a learning culture, a friendly environment that facilitates complete development of our students. Our three-pronged focus on knowledge, skill and attitude is aimed at meeting the needs of our customers, i.e., the industry. To achieve this, we have handpicked the best faculty from diverse fields and expertise. We have invested in state of the art facilities, infrastructure and skilled human resources to supplement the culture and environment of the institute's good governance. Moreover, it is our pledge to change in tandem with the changing requirements of the industry and mold, develop and nurture talent that will make the nation proud.

**- Prof. Dr. T. J. Sawant,
Founder Secretary, JSPM**

MESSAGE FROM PRINCIPAL

It is observed that, the students those who are taking admission in the college are especially from rural areas. It is our duty to provide them skills and knowledge to empower and enhance them to meet their goals and achieve grant success in their career. So, we have already started such efforts in this direction. I confidently welcome the student and promise them that their future shall be bright, if they are ready to take challenges to become successful professionals, giant leaders, entrepreneurs. Our team is ready to enhance their qualities, which are



required to be the best Indian professionals and encourage them to face rigors in the corporate sector. I always motivate the students by saying, "Try to climb high, wings are waiting for you". Jayawantrao Sawant Polytechnic provides a student-centered learning environment with close student-faculty interaction and constant participation of the industry. The emphasis is purposive curriculum, tailored to the needs of the industry and practical training to enable the young graduate easily cope up with the Challenges as they get into industries through periodic seminars, symposia, workshops, industrial visits and internship as an integral part of the courses, So, gear up for the hard work and I am sure you will enjoy your learning years.

With lots of Best Wishes...!

Dr. S. M. DEOKAR
Principal, J. S. Polytechnic

MESSAGE FROM HEAD OF DEPARTMENT

Dear Students, Faculty, and Alumni,

This year, we have seen our students engage in groundbreaking projects, participate in national and international competitions, and work alongside industry leaders to develop solutions that will shape the future.

Our department remains at the forefront of cutting-edge research in areas such as wireless communication, IoT, embedded systems, and signal processing. We are also expanding our horizons in collaboration with global institutions and embracing the latest technological advancements to provide our students with an environment that fosters creativity, critical thinking, and hands-on learning.

I encourage all our students and faculty members to continue striving for excellence, push the boundaries of knowledge, and make meaningful contributions to the technological world. Together, we will continue to achieve great things and make an impact on society through innovation and research.

Wishing you all a productive and fulfilling semester ahead.

Warm regards,

**Mrs. M. M. Kulkarni, HoD E & TC Department,
JS Polytechnic, Hadapsar**



Inside...

1. Student Activity (ETESA)

- ETESA Committee Formation
- First Year Welcome
- Best out of Waste (EDE activity)
- Parents Meet

2. Days Celebration

- Independence Day
- Teachers Day
- Engineers Day
- Republic Day

3. Social Activity

- Visit to Nirankar Balgram, Hadapsar
- swachhata abhiyan at Tukai Tekadi
- Tree Plantation at Tukai Tekadi

4. Industrial Visit

- Herco Transformers
- Katraj Dairy
- Science Park Pimpri Chinchwad
- Mapro Food Park, Wai
- Fuji Electric India Pvt Ltd

5. Guest Lecture

- Advance Trends in Electronics and Industry 4.0
- PLC and SCADA
- Personality Development
- Personality Development through Energy Healing
- Instrumentation And Career Opportunities In Instrumentation

Glimpses of A Few Student Activities (ETESA)

ETESA Committee Formation Announcement – 13th & 14th August 2022

We are pleased to announce the successful formation of the ETESA (Educational and Technological Enthusiasts Students' Association) Committee on 13th and 14th August 2022. With great enthusiasm and collaboration, a dedicated team has been assembled to drive educational and technological advancements within our community.

The committee will focus on organizing events, workshops, and initiatives aimed at fostering knowledge, innovation, and growth. Through teamwork and creativity, the ETESA committee is committed to making a lasting impact on the academic and technological landscape.

Stay tuned for exciting upcoming projects and opportunities to engage with ETESA!

Let's work together to create a brighter future!

First Year Welcome Event – A Warm Welcome to Our New Students!

"New Beginnings, Endless Possibilities
– Welcome to the Journey, New
Students!"



On 3rd August 2022, the JSPM Electronics and Telecommunication Department (EJ) organized a memorable *First Year Welcome Event* to warmly welcome the new batch of students. The event was a perfect blend of excitement and inspiration, designed to help students feel at home and get ready for their academic journey.

The day kicked off with an enthusiastic welcome speech by the faculty and senior students, who shared valuable insights about the

course structure, campus life, and opportunities for growth. The fresher's were also introduced to the various student clubs, technical events, and extracurricular activities that will enrich their time at the department.

Interactive sessions, fun ice-breaking activities, and an engaging Q&A allowed the new students to mingle with their peers and feel connected to the vibrant EJ community. The event concluded with a sense of unity and excitement as everyone looked forward to an inspiring academic year.

We are thrilled to see our first-year students start their journey with us and wish them success, innovation, and learning in every step of their path at JSPM EJ Department!

**Best Out of Waste –
EDE Activity at JSPM
Electronics &
Telecommunication
Department**

On 16th September 2022, the JSPM Electronics & Telecommunication Department hosted an exciting and innovative event, *best out of Waste*, as part of their Educational Development and Enrichment (EDE) activities. This event aimed to provide students with a platform to showcase their technical skills, creativity, and knowledge in the field of electronics and telecommunication.

The event saw enthusiastic participation from students who competed in various technical challenges, hands-on projects, and presentations that highlighted the latest trends and innovations in electronics and telecommunications. The atmosphere was filled with energy as students shared their unique ideas and solutions to real-world problems.



Judges, including faculty members and industry experts, evaluated the participants based on creativity, technical proficiency, and problem-solving abilities. The winners were awarded for their outstanding performances, and the event concluded with an insightful discussion on how such initiatives contribute to the overall growth and development of the students.

Best out of Waste was a resounding success, showcasing the talent and potential of JSPM's Electronics &

Telecommunication students. The event not only enriched the students' learning experiences but also reinforced the department's commitment to providing a comprehensive educational environment. We look forward to more such activities that inspire innovation and excellence in our students!

**Parents' Meet at JSPM
Electronics &
Telecommunication
Department –
Strengthening the
Bridge between
Education and Home**

On 2nd December 2022, the JSPM Electronics & Telecommunication Department organized a *Parents' Meet* to foster a strong connection between the department, faculty, and the families of our students. The event aimed to provide parents with valuable insights into their children's academic progress, campus life, and future opportunities.

The session began with an informative welcome address from the head of the department, who shared updates on the department's achievements, curriculum, and upcoming initiatives. Faculty members also provided detailed overviews of the academic programs, extracurricular activities, and student support services available at JSPM, highlighting the department's commitment to holistic

student development.



Parents were given an opportunity to meet with faculty, ask questions, and gain a deeper understanding of the challenges and growth their children are experiencing in the academic and extracurricular environments. The interactive discussions also allowed parents to share their feedback and suggestions, strengthening the collaboration between the department and families.

The event concluded with a sense of unity and shared purpose, as both parents and faculty expressed their commitment to supporting students in their academic journey. The *Parents' Meet* was a valuable step towards creating an even stronger and supportive educational community at JSPM Electronics & Telecommunication Department.

We thank all the parents for their participation and look forward to

continued collaboration in ensuring the success and well-being of our students!

**Innovative Insights
into the Future of
Electronics &
Telecommunication –
Poster Presentation**



The JSPM Electronics & Telecommunication Department is proud to announce an exciting event that will highlighted the latest trends and developments in the world of technology! This special presentation will feature innovative research, live demonstrations, and thought-provoking discussions.

Days Celebration at JSPM

Independence Day Celebration at JSPM Electronics & Telecommunication Department

Join us on **15th August 2022** to celebrate Independence Day with pride and enthusiasm! The JSPM Electronics & Telecommunication Department will host a special event with flag hoisting, patriotic songs, and inspiring speeches.

Celebrate Teacher's Day at JSPM Electronics & Telecommunication Department!



Join us on **6th September 2022** to honor and appreciate the dedicated faculty at JSPM Electronics & Telecommunication Department! This special day will feature a variety of activities to recognize the hard work and commitment of our inspiring teachers.



Engineer's Day Celebration at JSPM Electronics & Telecommunication Department



Join us on **15th September 2022** to celebrate Engineer's Day at JSPM Electronics & Telecommunication

Department! The event will honor the contributions of engineers in shaping the world, featuring inspiring speeches, technical presentations, and engaging activities.

Republic Day Celebration at JSPM Electronics & Telecommunication Department



Join us on **26th January 2023** as we celebrate Republic Day with pride and honor at the JSPM Electronics & Telecommunication Department. The event will include flag hoisting, inspiring speeches, and cultural performances, reflecting the spirit of unity and patriotism.

**"Connecting, Sharing,
and Growing
Together." – Social
Activities**

**"Experience at Nirankar Balgram,
Hadapsar"**



On **6th September 2022**, the JSPM Electronics & Telecommunication Department organized a heartfelt visit to **Nirankar Balgram Orphanage, Hadapsar**. The visit provided an opportunity for students and faculty to connect with the children at the orphanage, offering a day of joy, sharing, and compassion.

During the visit, participants engaged with the children, distributed gifts, and took part in various recreational activities. The event was not just about giving, but also about learning and understanding the importance of community, kindness, and empathy.

This visit was a significant step towards nurturing a sense of social responsibility among students and faculty, making it a memorable experience for everyone involved.

**"Cleanse, Conserve, Celebrate – Join
the Swacchata Abhiyan at Tukai
Tekadi for a Greener Tomorrow!"**

**JSPM Electronics &
Telecommunication Department
Hosts Swacchata Abhiyan at Tukai
Tekadi**



On **15th September 2022**, the JSPM Electronics & Telecommunication Department took part in a meaningful **Swacchata Abhiyan** (Cleanliness Campaign) at **Tukai Tekadi**. The event aimed to promote environmental responsibility and community involvement through cleanliness and waste management.

Students, faculty, and staff members actively participated in the campaign, cleaning the surrounding areas, disposing of waste responsibly, and spreading awareness about the importance of maintaining a clean and green environment. The event also included a session on

sustainable practices and the significance of waste reduction in daily life.

This initiative was a great success, reinforcing the department's commitment to social responsibility and environmental sustainability. Participants left the area cleaner and more aware of the need to maintain our surroundings for a healthier community.

"Plant a Tree, Grow a Future – Join the Green Revolution at Tukai Tekadi!"

JSPM Electronics & Telecommunication Department Organizes Tree Plantation at Tukai Tekadi



On **15th September 2022**, the JSPM Electronics & Telecommunication Department took a significant step towards environmental conservation by organizing a **Tree Plantation Drive at Tukai Tekadi**. The event aimed to contribute to a greener, cleaner environment and raise awareness

about the importance of trees in maintaining ecological balance.

Students, faculty, and staff members actively participated in planting saplings in the area. The initiative not only added greenery to Tukai Tekadi but also highlighted the role of trees in combating climate change, improving air quality, and fostering biodiversity.

The tree plantation event was a great success, and the JSPM Electronics & Telecommunication Department remains committed to promoting sustainability and environmental responsibility within the community.

Industrial Visits

Fuji Electric India Pvt Ltd Welcomes JSPM EJ Department for a Knowledge-Enriching Visit



About Fuji Electric India Pvt Ltd: Fuji Electric India Pvt Ltd is a subsidiary of Fuji Electric Co., Japan. The company is a leader in providing high-quality industrial automation products, energy-efficient solutions, and state-of-the-art power systems to various sectors, including manufacturing, transportation, and utilities. Fuji Electric is committed to providing innovative solutions that contribute to sustainable development and energy conservation.

November 21, 2022, Pune – Fuji Electric India Pvt Ltd had the honor of hosting the JSPM (Jayawant Shikshan Prasarak Mandal) Electrical and Electronics Engineering (EJ) Department on November 21, 2022. The visit was aimed at fostering a closer relationship between academia and industry while offering students insights into the latest advancements in technology and industrial practices.

The delegation from JSPM's EJ Department included faculty members and students, all eager to learn more about the cutting-edge innovations and manufacturing processes at Fuji Electric India Pvt Ltd. During the visit, the attendees were given a comprehensive tour of the company's state-of-the-art facilities, with a special focus on its production lines, research labs, and sustainable energy solutions.

JSPM EJ Department Visits Katraj Dairy for an Educational Experience on Dairy Operations



November 8, 2022, Pune – On November 8, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) visited the renowned Katraj Dairy, one of the leading dairy farms in Pune, for an insightful and enriching educational tour. This visit aimed to provide students with a deeper understanding of the dairy industry's operations and the role of

technology in enhancing production processes.

The delegation from JSPM's EJ Department consisted of both faculty and students, eager to explore the innovative practices in dairy farming and the integration of automation and technology in modern dairy operations.

JSPM EJ Department Visits Herco Transformers for an Insightful Educational Tour



November 8, 2022, Pune – On November 8, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) embarked on an educational visit to Herco Transformers, a leading manufacturer of high-quality electrical transformers. The visit

provided students with valuable insights into the design, manufacturing, and testing processes of transformers, as well as the role of advanced technologies in the power and energy sector.

JSPM EJ Department Explores Innovation and Technology at Science Park, Pimpri-Chinchwad



November 12, 2022, Pune – On November 12, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) visited the Science Park in Pimpri-Chinchwad for an engaging and informative educational tour. The visit aimed to provide students with an exposure to a variety of scientific innovations, technological advancements, and practical

applications of engineering principles in real-world exhibits.

The delegation from JSPM's EJ Department, consisting of both faculty and students, had the opportunity to explore various interactive exhibits, learn from hands-on demonstrations, and engage with cutting-edge technology in a space designed to inspire creativity and scientific thinking.

JSPM EJ Department Explores Food Processing Technology at Mapro Food Park, Wai

November 18, 2022, Pune – On November 18, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) visited the Mapro Food Park in Wai, Maharashtra. The visit provided students with a unique opportunity to explore the intricacies of the food processing industry and understand

how engineering technologies, particularly automation and control systems, are applied in large-scale food production.

The delegation, comprising faculty members and students, toured the Mapro Food Park's state-of-the-art facilities, gaining firsthand knowledge of the company's production processes, innovative technologies, and sustainable practices in food manufacturing.

About Mapro Food Park, Wai: Mapro Foods is a leading food processing company in India, known for its fruit-based products such as jams, squashes, syrups, and beverages. Located in the picturesque town of Wai, Maharashtra, Mapro Food Park is a state-of-the-art manufacturing facility focused on innovation, quality, and sustainability. The company is committed to using advanced technology in food processing while promoting eco-friendly practices in its operations.



Guest Lecture

JSPM EJ Department Hosts Guest Lecture on Instrumentation and Career Opportunities by Mr. Sharad Kamble



December 2, 2022, Pune – On December 2, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) organized an insightful guest lecture on “**Instrumentation and Career Opportunities in Instrumentation**” delivered by **Mr. Sharad Kamble**, an

industry expert with extensive experience in the field of instrumentation engineering.

The lecture was aimed at providing students with a comprehensive understanding of the importance of instrumentation in various industries and highlighting the numerous career opportunities available in this specialized field. Students from the EJ Department attended the session with great enthusiasm, eager to learn more about instrumentation technologies and how they can shape their professional careers.

JSPM EJ Department Hosts Guest Lecture on Trends in Electronics and Industry 4.0 by Mr. Maruti Trimbak Kaspate





September 14, 2022, Pune – On September 14, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) had the honor of hosting a guest lecture titled **“Trends in Electronics and Industry 4.0”**, delivered by **Mr. Maruti Trimbak Kaspate**, an expert with extensive experience in the electronics and automation industry.

The lecture aimed to provide students with an in-depth understanding of the latest trends in the electronics sector and how Industry 4.0 is revolutionizing industries worldwide. The session attracted a large group of students from the EJ Department who were eager to learn about the future of electronics, automation, and the evolving role of technology in modern industries.

JSPM EJ Department Hosts Guest Lecture on PLC and SCADA by Mr. Vikas Gade



October 8, 2022, Pune – On October 8, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) organized a guest lecture on **“PLC and SCADA: The Backbone of Industrial Automation”** presented by **Mr. Vikas Gade**, an industry expert in industrial automation and control systems.

The session was aimed at providing students with an in-depth understanding of **Programmable Logic Controllers (PLC)** and **Supervisory Control and Data Acquisition (SCADA)** systems, two key technologies that have revolutionized the automation and control of industrial processes. Students from the EJ Department actively participated, eager to learn how these systems are applied in modern industries for process automation, real-time monitoring, and control.

**JSPM EJ Department Hosts
Personality Development Session by
Mr. Raghavan Koli**



October 6, 2022, Pune – On October 6, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) organized an enriching session on **Personality Development** delivered by **Mr. Raghavan Koli**, a renowned expert in personal growth and professional development.

The session was designed to help students develop essential skills to succeed both professionally and personally. A large number of students from the EJ Department attended the workshop, eager to learn how to enhance their communication, leadership, and interpersonal skills, which are crucial for navigating the competitive world of engineering and beyond.

**JSPM EJ Department Hosts
Personality Development Session**

**through Energy Healing by Mr. Suvir
Sabnis**



November 25, 2022, Pune – On November 25, 2022, the Electrical and Electronics Engineering (EJ) Department of JSPM (Jayawant Shikshan Prasarak Mandal) hosted a unique and insightful session on **Personality Development through Energy Healing** conducted by **Mr. Suvir Sabnis**, a renowned expert in energy healing, personal growth, and holistic well-being.

The session aimed to help students enhance their personality and emotional well-being by introducing them to the transformative power of energy healing. Students from the EJ Department gathered in large numbers to learn about the connection between energy healing and personal development, and how these techniques can help them improve their confidence, mental clarity, and overall life satisfaction.

Winter 2022-2023 result



JAYAWANT SHIKSHAN PRASARAK MANDAL's
JAYAWANTRAO SAWANT POLYTECHNIC
Department of E&TC Engineering
Academic Year 2022-23



RESULT WINTER-2022

ELECTRONICS & TELECOMMUNICATION DEPARTMENT TOPPERS

 KANOJIYA KANAK MADANLAL 88.53%	 PARDESHI ASHWINI ABHIJIT 88.11%	 GANESH PRANALI KRISHNA 87.26%
 JADHAV SNEHAL RAJARAM 86.59%	 TAKALE OM ANIL 85.65%	 SUTAR NIRAJ PRABHAKAR 85.53%
 RATHAUR GAYATRI MANOJ 88.86%	 KARLE VAISHNAVI SANJAY 86.57%	 TAMHANE SAMARTH ARVIND 86.21%

Best Wishes
From Management, Principal, HODs, Sports Incharge & All Teaching, Non-teaching staff, JSP Hadapsar.