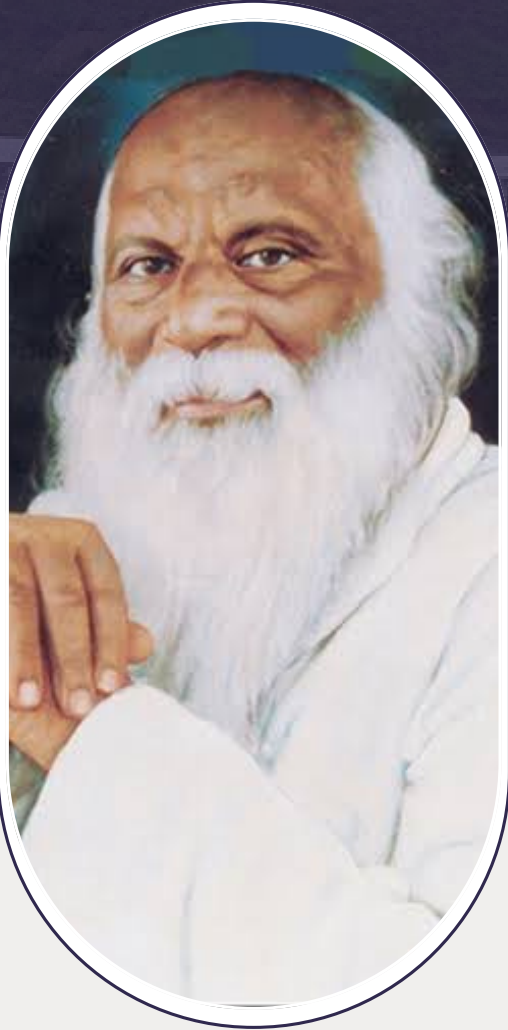




Rayat Shikshan Sanstha's  
**Karmaveer Bhaurao Patil  
Polytechnic Satara**

**Department of  
Electronics & Telecommunication  
Engineering**



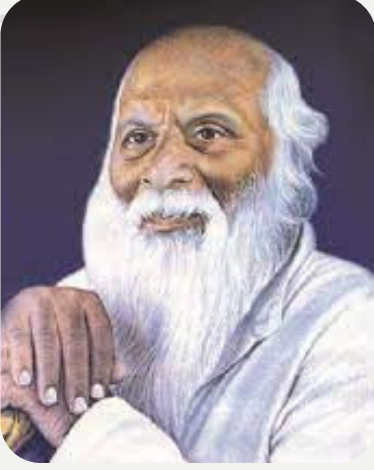
**VOLUME 6  
ISSUE 1  
ODD SEMESTER  
2025-26**

**THEME OF THIS ISSUE  
DIGITAL TWIN**

**EDITORIAL BOARD >>>**

**Chief Editor : Mrs. S. M. Jadhav  
Editor : Mrs. D. A. Khadtare  
Co-Editor : Mr. Raj Bamane**

# OUR TRIBUTE



**Dr. Karmaveer Bhaurao Patil**  
**Founder**  
**Rayat Shikshan Sanstha,**  
**Satara**



**Sou. Laxmibai Bhaurao Patil**  
**Rayat Mauli**

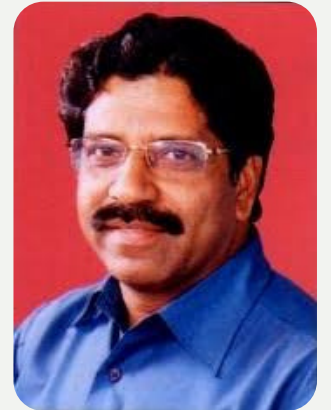
# OUR DESK'S



**Hon'ble Chandrakant Dalvi**  
**IAS(Retd)**  
**Chairman**  
**Rayat Shikshan Sanstha,**  
**Satara**



**Hon'ble Shri. Vikas Deshmukh**  
**IAS(Retd)**  
**Secretary**  
**Rayat Shikshan Sanstha,**  
**Satara**



**Hon'ble Prin. Dr. Shivling Menkudale**  
**Joint Secretary**  
**Rayat Shikshan Sanstha,**  
**Satara**



**Prof. Mr. B. V. Kadam**  
**Principal**  
**Karmaveer Bhaurao Patil Polytechnic,**  
**Satara**

# INSTITUTE VISION- MISSION

## Institute Vision

To become the leading institute for developing skillful technocrats with societal, environmental and high values by imparting quality technical education for strengthening the industry.

## Institute Mission

M1: To impart technical knowledge and skill by using modern engineering tools and technique.

M2: To develop students for current industry and society needs by industry-institute interaction.

M3: To inculcate ethical and professional values among students that will make them socially and environmentally responsible.

M4: To motivate students towards lifelong learning and helping them to find right career opportunities.



- 
- **About Department**
  - **MSBTE Rating**
  - **Our Faculty Members**
  - **Principal's Desk**
  - **HOD's Desk**
  - **Faculty's Desk**
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  - **Exam Toppers**
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- 

# DEPARTMENT VISION- MISSION

## Department Vision

To develop skilled Electronics and Telecommunication technocrats with societal and ethical values through quality technical education that meets the industry needs.



## Department Mission

M1: To provide technical knowledge and skills utilizing recent engineering tools and techniques.

M2: To motivate students for current industrial and societal requirements through industry-institute cooperation.

M3: To promote ethical and professional principles in students, so making them socially responsible.

M4: To encourage students for lifelong learning and assist them to provide career in Electronics and Telecommunication Engineering.



# ABOUT ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT

- Year of Establishment : 2006
- Intake Capacity : 60
- DTE Code : 6406
- MSBTE Code : 0041
- Affiliated to : Maharashtra State Board of Technical Education, Mumbai (MSBTE)

**Karmaveer Bhaurao Patil Polytechnic, Satara (formerly Karmaveer Bhaurao Patil College of Engineering and Polytechnic, Satara) started functioning from the year 1983 with three courses Construction Technology, Digital Electronics and Production Technology. With growing demand for Telecommunication Engineering worldwide, the Digital Electronics course was changed to Electronics and Telecommunication Engineering in year 2006. As per industry demand, curriculum of Electronics and Telecommunication Engineering has greater emphasis on understanding of facts, fundamental concepts and technology subjects. The industry and society demands are fulfilled by experienced, qualified & motivated faculty, staff and laboratories of department. Department aspires the overall development of the student through various co-curricular and extracurricular activities. Students are cultivated through industry expert lectures, seminars, workshop, skill development programs and industrial visits. Students are also encouraged to organize and participate in various events such as project competition, technical paper presentation, quiz competition, social activities, sports etc.**



# MSBTE RATING

Academic Year	MSBTE Departmental Rating
2022-23	Excellent ★★★★★
2023-24	Excellent ★★★★★
2024-25	Excellent ★★★★★



# OUR FACULTY MEMBERS



**Mrs. Sushama Mayur Jadhav**  
Head of Department  
M. Tech. Electronics  
Experience: 16 Years

**Mrs. Swati Sanjay Patil**  
Lecturer  
M. E. Electronics  
Experience: 18 Years



**Mrs. Dhanashri Avinash Khadtare**  
Lecturer  
M. E. Electronics  
Experience: 04 Years

**Mrs. Bhagyashri Abhijit Ghorpade**  
Lecturer  
M.E. E & TC  
Experience: 07 Years



**Mrs. Priyanka Pranit Ghorpade**  
Lecturer  
B. E. Electronics  
Pursuing (M.Tech-Electronics)  
Experience: 10 Years

# OUR FACULTY MEMBERS



**Miss. Harshada Shivaji Gujar**  
Lecturer  
B.Tech E&TC  
Experience: 01 Years

**Miss. Priyanka Bhimrao Patil**

Lecturer  
B.E. E & TC  
Pursuing (M.Tech-Electronics)  
Experience: 01 Years



**Mr. Shubham Shinde**  
Lab. Asst.  
M.Sc.  
Experience: 01 Years

**Mr. Chaitanya Mane**

Peon  
12th  
Experience: 01 Years





**Prof. Mr. B. V. Kadam**

**Principal  
Karmaveer Bhaurao Patil  
Polytechnic, Satara**

**Dear Students and Faculty,**

**I am delighted to extend my heartfelt congratulations to everyone on the successful publication of the Odd Semester Newsletter of the Electronics and Telecommunication Engineering Department. This achievement truly reflects our collective efforts and showcases the dedication, creativity, and excellence of both our students and faculty.**

**The semester has been highly rewarding, marked by outstanding student performances in academics, departmental activities, students as well as faculty achievements, placements, projects, competitions, and research initiatives. Their innovative thinking, perseverance, and commitment to excellence have brought great pride to our department. It is encouraging to witness our students confidently embracing challenges and transforming them into valuable learning experiences.**

**I sincerely appreciate the unwavering support, mentorship, and guidance provided by our faculty members, which play a vital role in shaping young professionals and nurturing their talents. Let us continue to build on this momentum, celebrate our achievements, and strive for even greater success in the future.**

**Once again, congratulations to all involved.**



**Mrs. S. M. Jadhav**

**HOD  
Electronics & Telecommunication  
Department**

Dear Students and Faculty,

I have taken over as Head of Department (Electronics and Telecommunication) from 1st of December, 2023. I feel fortunate to work with the young and dynamic team (faculty & staff) and with brilliant students of our department. Also I have support of Alumni, who are at honorable positions in different organization throughout the globe. The guidance and support by our Alumni has enriched our department.

Now a days world is becoming Electronic, every part of our life is surrounded by Electronic equipment. Also, the present trend of automation is going to create boom in the electronic field. IoT (Internet of Things) is going to open new opportunities for budding Electronic Engineers. I wish them the very best for their success in their carrier.

It gives me immense pleasure to present this Volume 6 – Issue 1 of Newsletter ELECTRON. Our every issue of ELECTRON is based on a theme. For this issue the theme adopted is “Digital Twin”. The theme for next issue will be “ Quantum Technology ”. To bring up all these issues of newsletter my Alumni, students, colleagues and industry friends have helped me a lot.

**Theme for Next Issue**  
**Quantum Technology**



## Digital Twin Technology: Replicating the Real World Digitally



**Miss. Harshada Shivaji Gujar**

**Lecturer  
Electronics & Telecommunication  
Department**

### Introduction

The concept of Digital Twin has evolved into one of the most transformative technologies of the 21st century. In simple terms, a digital twin is a virtual representation of a physical object, system, or process that mirrors its real-world counterpart. This digital counterpart is continually updated with real-time data, enabling accurate simulations, monitoring, and predictions. As industries continue to embrace the Internet of Things (IoT), artificial intelligence (AI), and big data analytics, digital twins are becoming the bridge between the physical and digital realms.

### Understanding Digital Twin Technology

A digital twin works by using sensors embedded in physical assets (whether machines, buildings, or even entire cities) to collect data. This data is then fed into a digital model that reflects the exact state, behavior, and dynamics of the physical entity. The idea is that the digital twin is a "live" reflection of the physical world, where any changes in the real object are mirrored in real-time within the digital counterpart.

This feedback loop is not only valuable for understanding the current state of a system but also for simulating future scenarios, optimizing performance, and preventing failures before they happen.

### Key Components of Digital Twin Systems

- 1. Physical Object/System:** The real-world entity being monitored and analyzed. This could be anything from a jet engine to a city's traffic system.
- 2. Digital Representation:** A digital model or simulation of the physical object. This can be a 3D model, data map, or any other form of digital visualization.
- 3. Sensors and IoT Devices:** These devices collect data from the physical world, such as temperature, pressure, location, or performance metrics, and transmit it to the digital twin system.
- 4. Data Integration & Analytics:** The data received from the physical object is processed, analyzed, and fed into the digital twin for monitoring, predictions, and decision-making.
- 5. Feedback Loop:** The interaction between the digital twin and its physical counterpart, which allows for ongoing optimization and adjustments.



## Applications of Digital Twins

Digital twins are not a concept of the distant future—they're already revolutionizing industries across the globe. Here are some of the most prominent applications:

### 1. Manufacturing:

In manufacturing, digital twins are used to monitor the performance of machines, track supply chain logistics, and even simulate product assembly. By analyzing real-time data from factory equipment, businesses can detect inefficiencies or potential failures before they disrupt production.

### 2. SmartCities:

In urban planning, digital twins of entire cities help monitor traffic flow, public transportation systems, energy consumption, and environmental factors. These models help city planners optimize urban infrastructure, reduce congestion, and predict future growth patterns.

### 3. Healthcare:

In healthcare, digital twins can create virtual representations of patients or medical devices. For instance, creating digital twins of a patient's heart can help doctors simulate potential outcomes of surgeries or treatments, leading to more personalized and effective healthcare.

### 4. Aerospace:

Aerospace companies use digital twins to monitor aircraft systems in real time. With digital models of engines or avionics, they can predict maintenance needs, optimize fuel efficiency, and increase safety by identifying potential failures before they happen.

### 5. Energy and Utilities:

Energy grids and power plants benefit greatly from digital twin technology. Operators can use real-time data to monitor energy usage, forecast demand, and optimize the performance of turbines, grids, and solar panels.

### 6. Automotive:

In the automotive industry, car manufacturers create digital twins of their vehicles for improved design, safety, and manufacturing processes. Real-time feedback from sensors embedded in vehicles helps optimize performance, predict wear and tear, and enhance safety features.

## Conclusion

Digital twinning is much more than just a technological trend—it's a transformative approach that is reshaping industries by creating a seamless link between the physical and digital worlds. Whether it's for predictive maintenance, optimizing performance, or facilitating more informed decision-making, the potential applications of digital twins are vast. As the technology matures and becomes more accessible, we can expect digital twins to be an integral part of many industries, driving efficiency, innovation, and sustainability on a global scale.

## Digital twin technology: A Step Towards Smart Connectivity



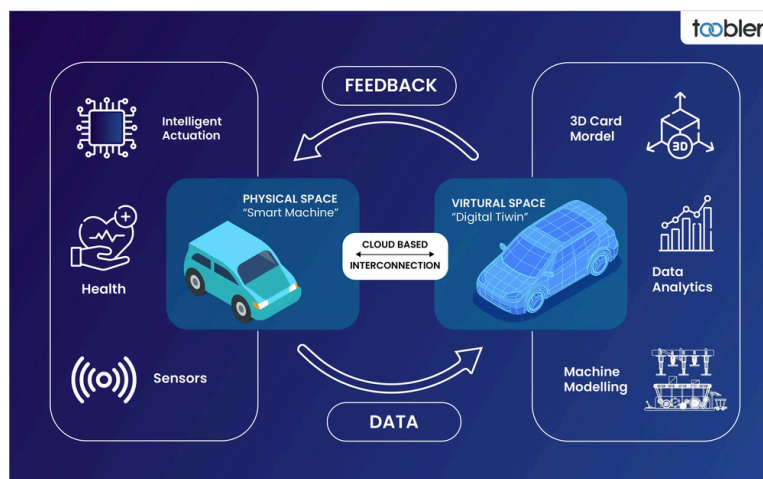
**Miss. Nandini Kalange**

**Alumni**

Digital Twinning is one of the distinctive innovations that characterize the Industry 4.0 era, and is currently redefining modern engineering and technology. A Digital Twin is a virtual replica of an actual or physical object, such as equipment processes, and systems that can be used for various purposes. It tracks the performance and behavior of its real-world counterpart, using real-time data, sensors and analytical models.

Before making changes to an actual system, it's helpful to check out the environment. For instance, factories create digital twins to replicate their production lines, predict when machines might fail, and boost overall efficiency. In healthcare, these digital models of organs or medical tools help with diagnosing issues and creating customized treatment plans. Likewise, in city planning, digital twins support the development of smart cities by estimating energy use, understanding traffic flow, and assessing environmental impacts.

The integration of artificial intelligence, machine learning, and the internet of things has greatly enhanced the ability of digital twins to learn and adapt over time. This results in improved preventive maintenance, minimized downtime, and economical decisions. Digital twinning links our physical and digital realms, fostering innovation, sustainability, and intelligent design as companies evolve with digital transformations. It not only changes how we engage with technology; it paves the way for a future that is more interconnected and reliant on data



## Digital Twinning: Bridging the Physical and Digital Worlds



**Mr. Eknath Gogawale**

**Founder  
Ekar Technologies, Satara**

Digital Twin Technology (DTT) has become a revolutionary concept that replicates physical systems in digital environments, allowing real-time monitoring, simulation, and optimization. Combining IoT, artificial intelligence (AI), and data analytics, digital twins build dynamic virtual models that imitate physical assets' behavior and performance. This paper discusses the architecture, main enablers, applications, and challenges related to digital twin systems. It also looks into their applications in different fields like manufacturing, healthcare, smart cities, and aerospace. The research discovers existing limitations e.g. data security, model accuracy, and computational overhead and discusses measures to overcome them. The paper finishes by predicting the future trajectory of research and deployment of digital twins in more interconnected and smart environments.

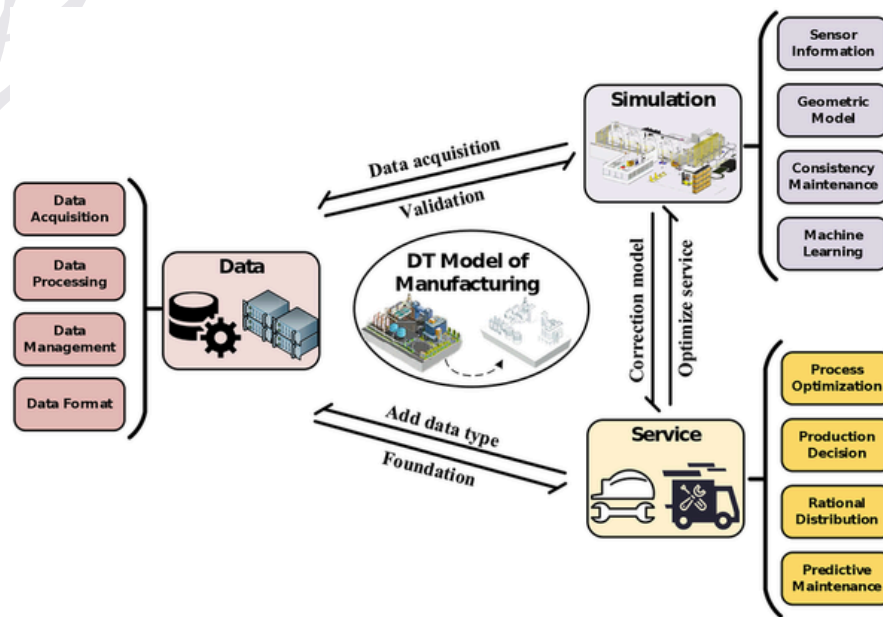
### Introduction

The Digital Twin (DT) was originally conceived by NASA as a way to model spacecraft systems for diagnostics and maintenance. Currently, the application of DTs has grown extensively with advancements in sensor technology, connectivity, and processing power. Essentially, a digital twin is a computerized replica of a physical object, system, or process that is regularly updated with real-time information.

Digital Twin Technology is emerging as a quintessential tool in the Industry 4.0 era, where physical and virtual convergence becomes vital for decision-making and automating processes. It allows businesses to measure performance, forecast failures, streamline operations, and simulate scenarios virtually before rollout in the real world. From predictive maintenance in manufacturing to patient tracking in healthcare DTs are revolutionizing how systems are conceived, managed, and transformed.

This article delves into the foundational architecture of digital twins, their operational mechanisms, integration technologies, and the multifaceted applications they serve. We also tackle the major challenges hindering wider uptake and investigate research frontiers set to define the next generation of Digital Twins.





## Results and Discussion

The analysis of various digital twin implementations across multiple industries reveals significant improvements in operational efficiency, predictive maintenance accuracy, and cost reduction. For example, in manufacturing case studies, companies utilizing digital twins reported an average 20-30% reduction in unplanned downtime and a 15% increase in overall equipment effectiveness (OEE). In healthcare, digital twins enabled personalized treatment plans that improved patient outcomes by allowing simulation of intervention effects prior to actual procedures. Furthermore, the deployment of digital twins in smart city projects demonstrated enhanced energy management and traffic optimization. Cities integrating real-time digital twin models reduced traffic congestion by approximately 18% and energy consumption in public buildings by 12%, showcasing the technology's potential in urban sustainability efforts.

## Discussion

The results validate the premise that digital twins enhance decision-making through real-time monitoring and predictive analytics. The ability to simulate multiple scenarios virtually allows organizations to proactively address system faults and optimize resource allocation. This capability is a key driver behind the increased adoption of digital twins in Industry 4.0 environments. However, the benefits are closely tied to the quality and granularity of data collected from physical assets. Inconsistent or incomplete data streams can lead to inaccuracies in the digital model, undermining the predictive capabilities. This underscores the importance of robust sensor networks and data management strategies. Moreover, while computational advancements have reduced latency in digital twin simulations, complex models with high fidelity still face challenges in real-time processing, especially for large-scale systems. Edge computing emerges as a promising solution to distribute computational load closer to data sources, thereby improving responsiveness.

## Conclusion

Digital Twin Technology has proven to be a revolutionary advancement in the way physical systems are monitored, simulated, and optimized. By creating real-time virtual replicas of physical assets, digital twins enable enhanced decision-making, predictive maintenance, and operational efficiency across diverse sectors such as manufacturing, healthcare, aerospace, and smart cities. The integration of IoT, AI, and advanced analytics underpins the capability of digital twins to transform traditional processes into intelligent, data-driven workflows.

## Digital Twinning – The Digital Mirror of the Real World



**Miss. Samruddhi Chavan**

**Student  
TYEJ**

### Introduction

In today's world of fast technological growth, Digital Twinning has become an important innovation. A Digital Twin is a virtual model or digital copy of a real object, process, or system. It behaves exactly like the real object, using real-time data from sensors and other sources.

This technology allows engineers, scientists, and industries to monitor, test, and improve performance without touching or risking the real system.

In simple words, a digital twin is like a mirror of the real world inside a computer.

### How Digital Twinning Works

1. **Data Collection:** Sensors are placed on the real object (for example, a machine, car, or building). These sensors collect data like temperature, vibration, speed, and pressure.
2. **Data Transmission:** The collected data is sent to computers or cloud platforms using the Internet of Things (IoT).
3. **Digital Model Creation:** A digital copy of the real system is created using software and data analysis tools.
4. **Real-Time Monitoring:** The digital twin updates automatically as the real object changes.
5. **Simulation and Prediction:** Engineers can test different conditions on the digital twin to predict what will happen in real life – for example, a machine breakdown or performance drop.

This process helps industries save time, money, and reduce risk by testing virtually before making real changes.

### Types of Digital Twins

1. **Component Twin:** Represents a single part, such as a motor or a sensor.
2. **Asset Twin:** Represents a full machine or device made up of several components.
3. **Process Twin:** Represents the entire process or system, like a factory or power plant.
4. **System Twin:** Covers multiple connected systems, such as smart cities or transportation networks.

Digital Twins-  
Connecting Reality  
and Imagination



## Applications of Digital Twinning

- **Manufacturing:**
  - Digital twins monitor machinery and predict failures before they occur.
  - Helps in designing better products and improving production efficiency.
- **Healthcare:**
  - Used to create digital copies of human organs for study and treatment.
  - Helps doctors test new treatments safely on a virtual model before applying them to patients.
- **Smart Cities:**
  - Used to plan and manage traffic, electricity, and water supply.
  - Improves waste management and reduces pollution.
- **Aerospace and Automotive:**
  - Helps design and test aircraft and car parts virtually.
  - Reduces accidents by predicting mechanical issues early.
- **Energy and Utilities:**
  - Used in power plants and wind farms to optimize performance.
  - Helps in maintaining energy efficiency and preventing power loss.

## Advantages of Digital Twinning

- **Predictive Maintenance:** Detects problems early and avoids costly breakdowns.
- **Cost Reduction:** Saves money by testing virtually instead of physically.
- **Improved Efficiency:** Real-time data helps optimize system performance.
- **Innovation and Design:** Allows engineers to experiment and improve products easily.

**Safety:** Reduces risk by testing dangerous conditions in virtual models.

## Challenges of Digital Twinning

- **High Cost of Setup:** Sensors, software, and data systems can be expensive.
- **Data Security Issues:** Real-time data transfer needs strong cybersecurity.
- **Complex Implementation:** Requires advanced skills in IoT, AI, and data science.
- **Data Accuracy:** The twin is only useful if the real-world data is correct and reliable.

## Future of Digital Twinning

In the next 5–10 years, digital twinning will grow rapidly with the help of Artificial Intelligence (AI), Machine Learning (ML), and 5G technology.

Future digital twins will become more intelligent and self-learning, helping industries make faster and smarter decisions.

They will play a big role in building smart factories, smart homes, and sustainable cities, improving everyday life.

## Conclusion

Digital Twinning is more than just a digital copy – it is a powerful technology that connects the real and virtual worlds. It helps industries predict problems, improve design, and work more efficiently. As technology continues to advance, digital twins will become a key part of the future, transforming how we design, build, and manage everything around us.

## Electronics & Telecommunication Student's Association (ETSA)



The Electronics & Telecommunication Student's Association (ETSA) is formed by the students of the Electronics and Telecommunication Engineering Department of our polytechnic to promote knowledge and technical skills.



Rayat Shikshan Sanstha's

**Karmaveer Bhaurao Patil Polytechnic, Satara**

**Department of Electronics & Telecommunication**

**Electronics & Telecommunication Student's Association (ETSA)**

**Committee Members (2025-26)**



**Chairman**  
Mrs. S. M. Jadhav  
HOD



**ETSA Coordinator**  
Mrs. B. A. Ghorpade  
Lecturer



**President**  
Mr. Raj Bamane  
TYEJ



**Vice-President**  
Mr. Ishan bhosale  
SYEJ



**Treasurer**  
Ms. Shravani Sapte  
SYEJ



**CR**  
Mr. Shravan Bhanage  
TYEJ



**LR**  
Ms. Nutan Phadtare  
TYEJ



**CR**  
Mr. Vedant Bhattad  
SYEJ



**LR**  
Ms. Nayan kumbhar  
SYEJ



**CR**  
Mr. Rugved lavengare  
FYEJ



**LR**  
Ms. Rishita Zunjar  
FYEJ

# DEPARTMENTAL ACTIVITIES

“Teacher’s Day” celebrated on 5<sup>th</sup> September, 2025

Rayat Shikshan Sanstha's  
**Karmaveer Bhaurao Patil**  
**Polytechnic, Satara**

Department of  
**Electronics & Telecommunication**  
*Celebrating*

**TEACHER'S DAY**  
**2025**

**DR. SARVEPALLI RADHAKRISHNAN**  
5 SEPTEMBER 1888 – 17 APRIL 1975

*Date : 5th September, 2025*

<b>Mr. Ishan D. Bhosale</b> Vice-President ETSA	<b>Mr. Raj S. Bamane</b> President ETSA
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<b>Mrs. B. A. Ghorpade</b> ETSA Coordinator	<b>Mrs. S. M. Jadhav</b> I/c Head of Department	<b>Mr. N. B. Devi</b> I/c Principal
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# DEPARTMENTAL ACTIVITIES

## “Engineer’s Day” celebrated on 17<sup>th</sup> September, 2025

Rayat Shikshan Sanstha's  
**Karmaveer Bhaurao Patil**  
**Polytechnic, Satara**

Department of  
**Electronics & Telecommunication**  
Celebrating  
**ENGINEER'S DAY**  
**2025**



Bharat Ratna  
SIR MOKSHAGUNDAM VISVESVARAYA  
1860-1962

--- Competitions ---

- Technical Rangoli Competition
- Poster Exhibition

Date : 17th September, 2025

Mrs. B.A. Ghorpade      Mrs. S.M. Jadhav      Mr. N.B. Devi  
ETSA-Coordinator      Head of Department      I/c Principal



# DEPARTMENTAL ACTIVITIES

## "Parent's Meet " arranged on 20th September, 2025

रयत शिक्षण संस्थेचे,  
कर्मवीर भाऊराव पाटील पॉलिटेक्निक, सातारा  
इलेक्ट्रॉनिक्स अँड टेलिकम्युनिकेशन विभाग

आयोजित  
**\*विद्यार्थी-पालक मेळावा\***

दि. २० सप्टेंबर, २०२५ | सकाळी ११.०० वाजता  
स्थळ : AF-१२

कृ. एच. एस. गुजर  
उप-समन्वयक

सौ. पी. पी. चोरपडे  
समन्वयक

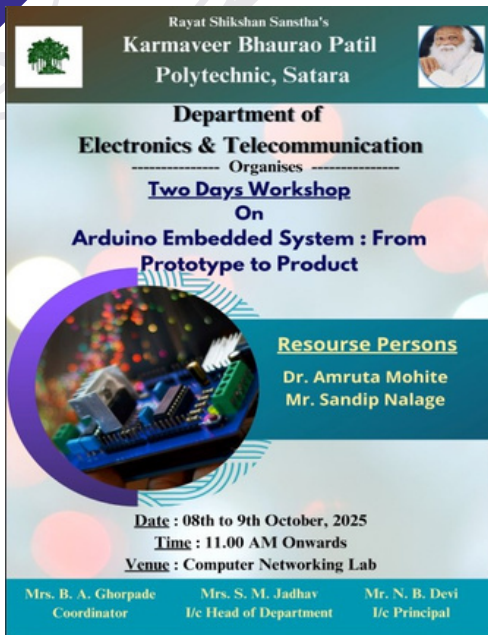
सौ. एस. एम्. जाधव  
विभागप्रमुख

श्री. एन. बी. देवी  
प्र. प्राचार्य



# DEPARTMENTAL ACTIVITIES

**Two Days Workshop on Arduino Embedded System : From Prototype to Product is Organized on 8th - 9th October, 2025**



Rayat Shikshan Sanstha's  
Karmaveer Bhaurao Patil  
Polytechnic, Satara

Department of  
**Electronics & Telecommunication**  
Organises

**Two Days Workshop**  
On  
**Arduino Embedded System : From  
Prototype to Product**

**Resource Persons**  
Dr. Amruta Mohite  
Mr. Sandip Nalage

Date : 08th to 9th October, 2025  
Time : 11.00 AM Onwards  
Venue : Computer Networking Lab

Mrs. B. A. Ghorpade      Mrs. S. M. Jadhav      Mr. N. B. Devi  
Coordinator              I/c Head of Department      I/c Principal



# DEPARTMENTAL ACTIVITIES

## “Three Days Faculty Development Program on AI Academia & Life Management”



# INDUSTRIAL VISIT

**"Industrial Visit" is organized at Square Wave Automation Pvt. Ltd., Satara on 11th October, 2025**



# FACULTY ACHIEVEMENTS



**Mrs. Priyanka Pranit Ghorpade**

**Lecturer**

- Secured first place in zonal level (Kolhapur Zone) “Avishkar 2025-26” held at Shri Ambabai Talim Sanstha’s Sanjay Bhokare Group of Institute, Miraj.
- Participated in the ET category at PG level for the project titled “Anti Collision Breaking System” in University - Level “Avishkar 2026”, held at Dr. Babasaheb Ambedkar Technological University, Lonere.



# STUDENTS ACHIEVEMENTS

## MSBTE EXAM SUMMER - 2025 TOPPERS

### TYEJ



**JADHAV SHRUTIKA  
PRAVIN  
87.12%**



**HINGMIRE KSHITIJA  
SURYAKANT  
85.12%**



**JADHAV SNEHAL  
SANDIP  
84.71%**



**PATIL RIYA  
HANMANTRAO  
84.71%**

### SYEJ



**DHOTRE ADITYA AVINASH  
89.22%**



**SATRE SANIKA DADASO  
88.89%**



**DHERE SIDDDHI UMESH  
86.67%**

### FYEJ



**Dhumal Sae Ravindra  
84.59%**



**Sutar Shravani Ghanshyam  
79.41%**



**Kotgire Shravani Shriram  
78.71%**

# STUDENTS ACHIEVEMENTS

## PLACEMENT RECORD 2024-25



**Archana Sarnobat**  
Cummins India  
Pvt.Ltd.



**Tejas Gole**  
Cummins India  
Pvt.Ltd.



**Gayatri Bhoite**  
Cummins India  
Pvt.Ltd.



**Neha Ghanwat**  
Cummins India  
Pvt.Ltd.



**Kirti Ithape**  
Cummins India  
Pvt.Ltd.



**Madhura Pawar**  
Cummins India  
Pvt.Ltd.



**Bhakti Sonmale**  
Cummins India  
Pvt.Ltd.



**Shrikant Nawadkar**  
Cummins India  
Pvt.Ltd.



**Shrutika Jadhav**  
Cummins India Pvt.Ltd.  
**Tata Motors Pvt.Ltd.**



**Shriya Chavan**  
Cummins India Pvt.Ltd.  
**Tata Motors Pvt.Ltd.**



**Janhvi Pol**  
Cummins India Pvt.Ltd.  
Tata Motors Pvt.Ltd.



**Naziya Shaikh**  
Cummins India Pvt.Ltd.  
Tata Motors Pvt.Ltd.



**Rameshwari Jadhav**  
Tata Motors Pvt.Ltd.



**Snehal Jadhav**  
Tata Motors Pvt.Ltd.



**Vaishnavi Jadhav**  
Mahle Anand Filter  
System Pvt.Ltd.



**Kshitij Rokade**  
John Deere Inia  
Pvt.Ltd.



**Mrs. D. A. Khadtare**

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ELECTRON – Volume 6, Issue 1, the newsletter published by the Department of Electronics & Telecommunication Engineering, has been successfully released. At the outset, I extend my deep and wholehearted gratitude to our respected Principal, Head of the Department, and all my colleagues and students for their kind cooperation and timely support in bringing out this issue.

The primary objective of this newsletter is to document and showcase the various departmental activities and events. Its quality and impact largely depend on your active participation and valuable contributions in sharing and organizing information relevant to your respective portfolios. We sincerely hope you will appreciate this initiative and continue to support us by enriching ELECTRON with your constructive feedback, comments, and suggestions.

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# THANK YOU