



# **“Newsletter”**

## **Winter 2022**



**Electrical Engineering Program**  
**Sharad Institute of Technology Polytechnic,**  
**Yadrav.**

**Volume: 09 Issue: 01**

**SHARAD INSTITUTE OF TECHNOLOGY  
POLYTECHNIC, YADRAV  
PROGRAM – ELECTRICAL ENGINEERING**

**VISION**

“To be a leader in developing competent Electrical Engineer to serve for the betterment of society.”

**MISSION**

M-1: Imparting technical knowledge through effective teaching-Learning process.

M-2: Nurturing skills & attitude in students to excel in their profession.

M-3: Creating awareness about social responsibilities with ethical Values.

**PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

PEO1- :Solve electrical engineering problem by applying knowledge of mathematics, Science & engineering.

PEO2-:Success by pursuing higher education & professional career.

PEO3-:Communicate effectively & work in multidisciplinary teams with ethical values.

## ABOUT DEPARTMENT

The Electrical Engineering Department was established in the year 2010 with a vision to impart quality technical education and produce industry-ready professionals. Since its inception, the department has been committed to academic excellence, innovation, and holistic development of students.

Equipped with modern laboratories, experienced faculty, and a well-structured curriculum, the department provides a strong foundation in core electrical engineering concepts as well as emerging technologies. It regularly organizes workshops, guest lectures, industrial visits, and technical events to bridge the gap between academia and industry.

With a focus on fostering critical thinking, practical skills, and ethical values, the department continues to contribute to the development of competent engineers ready to meet the challenges of the future.

## Hon. Chairman's Message:-



As we continue to push the boundaries of innovation and excellence, I am thrilled to see our students, faculty, and alumni making significant contributions to the field of engineering. Our institution's commitment to providing a world-class education, cutting-edge research opportunities, and a supportive community has enabled us to stay ahead of the curve.

I would like to extend my appreciation to our dedicated faculty and staff for their tireless efforts in shaping the next generation of engineers and leaders. To our students, I encourage you to continue exploring, innovating, and striving for excellence in all that you do.

Best regards,

Shri. Rajendra Patil-Yadravkar

Chairman,

Sharad Institute of Technology, Polytechnic, Yadrav-Ichalkaranji

## **Hon. Ex. Director's Message:-**



It is a privilege to share my thoughts with the esteemed community of Sharad Institute of Technology Polytechnic. As a former Director, I have witnessed the institution's growth and evolution into a premier center of learning. Our college has consistently demonstrated a commitment to academic excellence, innovation, and research.

I am proud of the achievements of our students, faculty, and alumni, who have made significant contributions to the field of engineering. As I look back on my tenure, I am filled with a sense of pride and accomplishment. I am confident that the college will continue to thrive and shape the next generation of engineers and leaders.

Best regards,

Shri. Anil A. Bagane

Exe-Director,

Sharad Institute of Technology, Polytechnic, Yadav-Ichalkaranji

## MESSAGE FROM PRINCIPAL



**Dear all,**

As we embark on a new academic year, I am delighted to share my thoughts with you through our engineering college newsletter. At Sharad Institute of Technology Polytechnic, we are committed to fostering a culture of innovation, creativity, and excellence in education. Our institution has always strived to provide a conducive learning environment that empowers students to achieve their full potential.

In this issue, we highlight the achievements of our students, faculty, and alumni who have made significant contributions to their respective fields. As we move forward, I encourage all stakeholders to stay connected with us, share their experiences, and contribute to our mission of shaping the next generation of engineers and leaders.

Thank you for being part of our vibrant community!

Mr. B. S. Tashildar

Principal,

Sharad Institute of Technology, Polytechnic, Yadav-Ichalkaranj



## MESSAGE FROM HOD



As the Head of the Electrical department at, I am proud to share the latest developments and achievements of our department with you. Our department is committed to providing high-quality education and making students of all-round development. We strive to create a learning environment that fosters innovation, creativity and thinking.

In this issue, we highlight the outstanding achievements of our students and faculty, including research publications, project awards, and industry collaborations. These accomplishments demonstrate our commitment to academic excellence and our dedication to producing graduates who are well-equipped to meet the challenges of the industry.

As we continue to evolve and improve, I encourage all students and faculty to stay engaged with us, share their ideas, and contribute to our department's growth and success.

Mr. C. S. Rawal

HOD of Electrical Engineering Department,

Sharad Institute of Technology, Polytechnic, Yadav-Ichalkaranj

## List of Staff Members

Sr.No	Name of Faculty	Qualification	Designation
1	Mr.Chetan S. Rawal	B.E.(ELE), M.E.	HOD
2	Mrs A A Kekare	B.E.(ELE), M.E.	Lecturer
3	Mr. Pravin A. Thorat	B.E.(ELE), M.E.	Lecturer
4	Mrs. P.S. Chougule	BE(ELE)	Lecturer
5	Mr. Y. B. Vaswade	BE(ELE)	Lecturer
6	Mr. R.R. Chougule	BE(ELE)	Lecturer
7	Ms. S. B. Patil	BE(ELE)	Lecturer
8	Mr. M. B. Mullani	BE(ELE)	Lecturer
9	Mrs. D. V. Patil	BE(ELE)	Lecturer
10	Mr. S. R. Bharamgonda	BTech (ELE)	Lecturer
11	Mrs. P.T. Bhendwade	BE(ELE)	Lecturer
12	Mrs. A. A. Gavade	BE(ELE)	Lecturer
13	Mr. A A Wavare	BTech (ELE)	Lecturer
14	Ms. P A Patil	BE(ELE)	Lecturer
15	Ms A M Dangare	BTech (ELE)	Lecturer



Mr.C. S. Rawal



Mrs A. A. Kekare



Mr. P. A. Thorat



Mrs. P. S. Chougule





Mr. Y. B. Vanwade



Mr. R.R. Chougule



Ms. S. B. Patil



Mr. M. B. Mullani



Mrs. D. V. Patil



Mr. S.R. Bharamgonda



Mrs. P.T. Bhendwade



Mrs. A. A. Gavade

## ACHIEVEMENTS & RECOGNITIONS



### SHARAD INSTITUTE OF TECHNOLOGY POLYTECHNIC SHINES AT STATE-LEVEL DIPEX PROJECT COMPETITION

The DIPEX project competition provided a platform for our students to showcase their technical skills, creativity, and problem-solving abilities. Our team's outstanding project presentation and innovative solution impressed the judges, earning us the top spot in the competition.

This achievement reflects the commitment of our institution to fostering a culture of innovation, research, and excellence in technical education. We congratulate our students and faculty for their remarkable achievement and look forward to more such successes in the future.

Congratulations to our champions!

## FACULTY ACHIEVEMENTS



### **CONGRATULATIONS TO MRS. P.S.CHOUGULE ON RECEIVING THE BEST TEACHER AWARD 2022-23**

We are delighted to announce that Mrs. P. S. Chougule, a dedicated faculty member at Sharad Institute of Technology Polytechnic, has been honored with the prestigious Best Teacher Award for the academic year 2022-23.

This recognition is a testament to her exceptional teaching skills, passion for education, and commitment to shaping the minds of our students. We congratulate Mrs. Chougule on this well-deserved achievement and appreciate her tireless efforts in making a positive impact on our institution.

## STUDENT ACHIEVEMENTS & RECOGNITIONS



### **Congratulations to Our Team on Winning the Best Polytechnic Project Award!**

We're thrilled to announce that our project, "PV Cell Based Dynamic STATCOM for Power Quality Improvement," has been awarded the Best Polytechnic Project in Section B1 Electrical! This project showcases the potential of solar photovoltaic systems in improving power quality in distribution systems.

## DEPARTMENT ACTIVITES

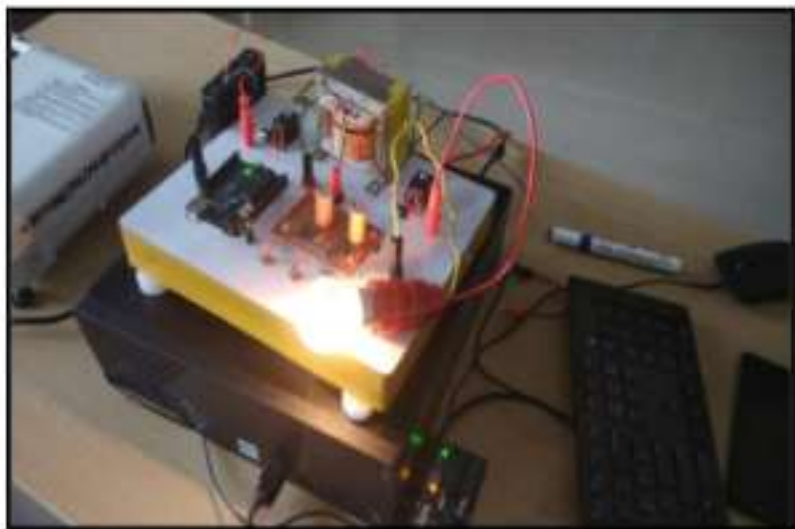
### Student Workshop

#### LED lamp designing & power Electronics Converters with Arduino



The Project on LED lamp designing and power electronics converters using Arduino focuses on efficient energy utilization and smart control. It integrates modern power electronic circuit with microcontroller-based automation, offering practical insight into sustainable lighting solutions and real-time control applications.







**One week AICTE-ISTE Induction /Refresher Faculty  
Development Program On  
“Advance in Industry Electrical System”  
8<sup>th</sup> - 14<sup>th</sup> January, 2022.**



## **FDP on hydro generator using induction motor --**

**S.S.Katre**



## **FDP on Industrial Installation – KiranGhume , Govt. Contractor**





## INDUSTRIAL VISITS W-22

### Industrial Visit at HEM Electronics



An industrial visit to HEM Electronics was organized to provide students with practical insights into modern electronic manufacturing processes. During the visit, students explored various production units, witnessed quality control techniques, and interacted with industry professionals. The experience enhanced their understanding of real-world applications of electronic concepts and fostered industry-academia connectivity.

## Industrial Visit at 110/33KV Substation



An industrial visit to the 110/33KV Substation was organized for the students to provide practical exposure to high-voltage power transmission and distribution systems. Students gained valuable insights into substation components such as transformers, circuit breakers, isolators, and protection mechanisms. The visit bridged the gap between theoretical knowledge and real-world applications, enhancing students' understanding of power system operations.



## Industrial Visit at Suzlon Wind Energy





## Industrial Visit at LadaLaxmi Pumps



## Industrial Visit at L&T Training Centre



## EXPERT LECTURES

### EXPERT LECTURE ON ELECTRICAL SAFETY

Shree Tanaji Ramchandra Patil Retired officer Naik Indian Army Atigre -  
Kolhapur.



## **EXPERT LECTURE ON ENERGY CONSERVATION & AUDIT**

Prof. Mr. M. M. Wagh Faculty, petroleum conservation Research  
association PCRA, Ministry of Petroleum and Natural Gas.



## EXPERT LECTURE ON PERSONALITY DEVELOPMENT





## MSBTE EXAMINATIN TOPPERS

### • T.Y. ELECTRICAL -Div-A

Rank	NAME	MARKS in %
1	Patil Pooja Appaso	95.10
2	KadamTanmayTukaram	93.30
3	Patil Neha Sanjay	92.60

### • T.Y. ELECTRICAL Div- B

Rank	NAME	MARKS in %
1	Mane Parthraje Gajananrao	94.80
2	Patil Aniket Prakash	90.00
3	Patil Sourabh Sunil	89.70



• **S.Y. ELECTRICAL –Div-A**

Rank	NAME	MARKS in %
1	KothaleManali Sunil	94.13
2	ShaikhMuskanNasir	93.75
3	AtharvaVasudevGhag	90.00

• **S.Y. ELECTRICAL Div- B**

Rank	NAME	MARKS in %
1	SapkallIndrajeetMaruti	87.00
2	Shirote Rahul Prakash	86.25
3	Patilomkar Anil	85.25

We extend our heartfelt congratulations to all the toppers of the MSBTE examinations for their outstanding academic performance. Your dedication, hard work, and perseverance have brought laurels to our institution. You have set an inspiring example for your peers and made the college proud. We wish you continued success in all your future endeavors!

## ALUMNI TALK SESSION



Mr. Ratan Magdum -Jr. Engg trainee, Essel Pro Pack, Pune

Batch-2014-15



Ms. Pallavi Mali DET, Cummins India Ltd, Pune.

Batch-2016-17



Ms. Swati Dombale DET, Cummins India Ltd, Phaltan.

Batch 17-18



Mr. Tejas Patel, System Engineer Ahmedabad.

Batch-2015-16

Revised 05/05/2001



‘शरद’ क्या था विद्याधरोंकी  
टाटा पौधर कंपनीत निषद

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colleagues. Students who find themselves in this position are encouraged to seek help from their teachers, parents, or friends. It is important to remember that seeking help is a sign of strength, not weakness. The author also emphasizes the importance of maintaining a positive attitude and staying motivated throughout the process. The book concludes with a series of exercises and reflections designed to help students develop a growth mindset and embrace challenges as opportunities for learning and growth.

शरद पॉलिटेक्निकमध्ये  
शासनामान्य सुविधा केंद्र सुरु

1999

વધુમાં વધુ જાણીતા સુપર સ્ટાર હતા. હિમિયટ્સ ગ્રેસ ટેન્કરની, સીટિંગિંગઅથવા લાલ્લુ રાજાને મુલાકાત આ સેટ પર થયેલા અને તેઓ. તેઓ વાલીની રાજાને રી.સ. રાજીનારા, રાજાના રી.સ. રાજા રાજી રાજી.

આચાર્ય દુર્ગાચાર્ય નિકાલપૂર્વક  
હાલમાંથી ફિલોસોફી (સર્વિસિમ્સ) પ્રોફેસર  
શ્રીમતી મુ. કામ્યાદા ડાહ્યા જાણે, વિદ્યાર્થી  
શ્રી. અમર સુધિત કેટલાક ગણના પ્રોફેસર  
જાણે ના રહેશે. તેમ કામ્યાદા ચાંદી કાચોડી  
ના રહેશે.

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‘शरद’च्या १६ विद्यार्थ्यांची  
‘नेक्स्टीअर’ कंपनीत नियुक्त

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शारद पॉलिटेक्निकमध्ये टेक्नोलॉजिट २०२१  
स्पर्धेत विद्यार्थ्यांचा उत्स्फूर्त सहभाग

## ६२२ विद्यार्थी लक्ष्मीजी, प्रजिवट तथा लपटा

‘शरद षष्ठी’ आर्टिफिशिएल  
इंटेलिजेन्स’ अध्यासक्रमास मान्यता

三

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अभिनेता, निर्देशक, लेखक, गायक और संगीतकार के रूप में प्रसिद्ध हैं। उन्होंने 'दिल' और 'काला' जैसी फिल्मों में अभिनय किया है।

दिनांक 24/06/2020 पूरना

**‘शरद’मध्ये विविध  
ऑनलाईन कार्यशाळा**

आचार्य पदवी प्राप्त, प्रमुख अध्येता, प्रमुख अध्येता, प्रमुख अध्येता

[illegible]



# यशस्वी करिअरसाठी 'शरद पॉलिटेक्निक'मध्ये विविध कौशल्ये

अभिजित बागवे : प्रथम वर्ष विद्यार्थ्यांचे स्वागत



मुंबई, १६ ऑक्टोबर : शरद पॉलिटेक्निकमध्ये प्रथम वर्ष विद्यार्थ्यांचे स्वागत करण्यात आले. यावेळी विद्यार्थ्यांना विविध कौशल्ये शिकवण्यात येतील, असे प्राचार्यांनी सांगितले. यावेळी विद्यार्थ्यांनी विविध कौशल्ये शिकवण्यात येतील, असे प्राचार्यांनी सांगितले.

प्राचार्यांनी विद्यार्थ्यांना विविध कौशल्ये शिकवण्यात येतील, असे प्राचार्यांनी सांगितले. यावेळी विद्यार्थ्यांनी विविध कौशल्ये शिकवण्यात येतील, असे प्राचार्यांनी सांगितले.

# शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग

एड. विद्यार्थ्यांनी सहभाग घेतला

शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग. एड. विद्यार्थ्यांनी सहभाग घेतला. शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग.

# लोकनेता

शरद पॉलिटेक्निकमध्ये प्राध्यापकांसाठी एच.डि.टी. रात्र ए.आय.सी.टी.ई. व आय.एन.टी.ई. करून कौशल्योन्नती



शरद पॉलिटेक्निकमध्ये प्राध्यापकांसाठी एच.डि.टी. रात्र ए.आय.सी.टी.ई. व आय.एन.टी.ई. करून कौशल्योन्नती

# शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग



शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग. एड. विद्यार्थ्यांनी सहभाग घेतला. शरद पॉलिटेक्निकमध्ये टेक्नोक्रेट स्पर्धेत विद्यार्थ्यांचा उत्स्फुर्त सहभाग.

# शरद मध्ये मेकॅट्रॉनिक्स अभ्यासक्रम सुरू होणार

प्रथम वर्षातील विद्यार्थ्यांना या अभ्यासक्रमात सहभाग घ्यायचा आहे

शरद मध्ये मेकॅट्रॉनिक्स अभ्यासक्रम सुरू होणार. प्रथम वर्षातील विद्यार्थ्यांना या अभ्यासक्रमात सहभाग घ्यायचा आहे. शरद मध्ये मेकॅट्रॉनिक्स अभ्यासक्रम सुरू होणार.

# शरद पॉलिटेक्निकच्या ७ विद्यार्थ्यांची जीई एविएशन कंपनीत निवड

मुंबई, १६ ऑक्टोबर : शरद पॉलिटेक्निकच्या ७ विद्यार्थ्यांची जीई एविएशन कंपनीत निवड



शरद पॉलिटेक्निकच्या ७ विद्यार्थ्यांची जीई एविएशन कंपनीत निवड. मुंबई, १६ ऑक्टोबर : शरद पॉलिटेक्निकच्या ७ विद्यार्थ्यांची जीई एविएशन कंपनीत निवड.

## EDITORIAL TEAM

### FACULTY ADVISORS



Mr.P.A.Thorat

We are very glad to publish departments Newsletter. I am deeply thankful for the efforts taken by department faculty, our students and for support and faculty member to put forward this Newsletter. I hope this and upcoming Newsletters will be very knowledgeable and inspiration for student readers.

### STUDENT CO-ORDINATOR



Shankar M.Kamble

The Student Coordinator plays a vital role in planning, organizing and executing various academic and co-curricular activities. Their Leadership, coordination skills, and commitment greatly contributed to the smooth functioning and success of college event.





ShriShankarPatil (Yadavkar) Educational & Charitable Trust's

**SHARAD INSTITUTE OF TECHNOLOGY, POLYTECHNIC**

Jay-Sangli Naka, Yadav-Ichalkaranji - 410 121

Tal: Shirol, Dist: Kolhapur (MS)

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Mumbai

All Programmes Accredited By NBA, New Delhi, An ISO 9001:2015 Certified Institute

**Electrical Engineering Program**

**NEWS LETTER**  
**WINTER 2022**