



ZEAL EDUCATION SOCIETY

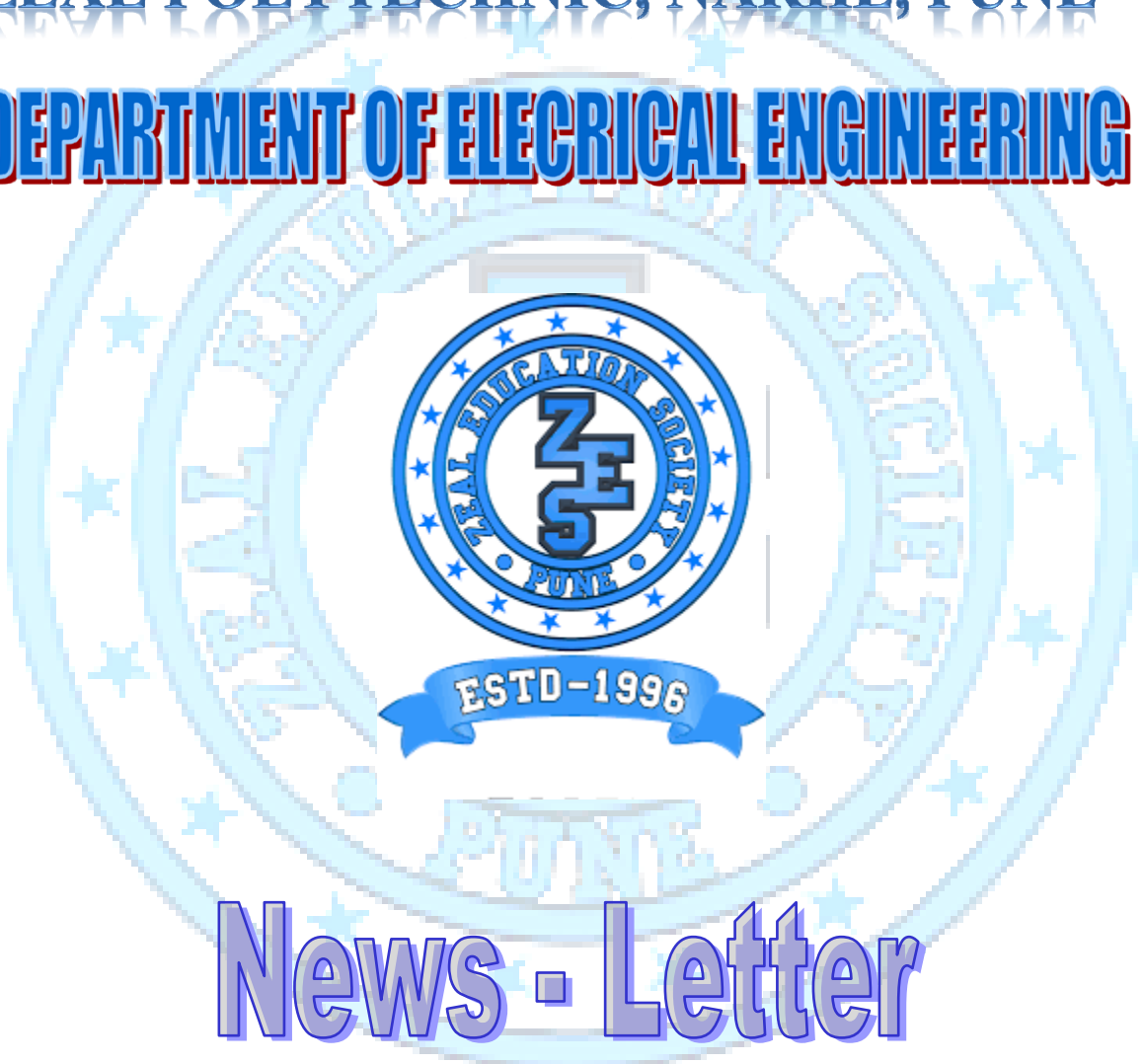
C E L E B R A T I N G

20 YEARS OF EDUCATIONAL EXCELLENCE

Founder. Hon. Mr. S. M. Katkar



Zeal Education Society's
ZEAL POLYTECHNIC, NARHE, PUNE
DEPARTMENT OF ELECTRICAL ENGINEERING



News - Letter



Vol- II

FOUNDER DIRECTOR'S MESSAGE

Zeal Education Society entered in technical education in a big way by starting an Engineering college with six disciplines, with the qualified & dedicated teachers for providing quality education to our students. Our infrastructure and human capital as a society are positive of providing the best education to cope up with the globalization challenges of any field. Quality always has been the thrust of our society and it has been proved from time to time by getting social recognition in the form of various awards. "We are confident that with your support and patronage we will succeed in our mission and vision of nation building."



HON. MR. S. M. KATKAR
FOUNDER DIRECTOR,
ZEAL EDUCATION SOCIETY, PUNE.

SECRETARY'S MESSAGE

Zeal Polytechnic has revolutionized concept of technical learning. Since its inception, it has been working for the development of technical skills through innovative and modern teaching methods with values. By adopting the latest technology converged over a period of time. It is conducive to the students. They are prepared to meet the global challenges in the thrust and emerging areas for their global functional exposure to encounter the latest trends in industry and corporate sectors. In short span the polytechnic has been acclaimed as a center of academic excellence for technological studies.



HON. MR. JAYESH S. KATKAR
SECRETARY,
ZEAL EDUCATION SOCIETY, PUNE.

EXECUTIVE DIRECTOR'S MESSAGE

Vidya Dadati Vinayam, Vinaya Dadati Paatrataam. Paatratva Dhanamaapnoti, DhanaaDharmam Tatah Sukham ... (विद्यां ददाति विनयं, विनयाद् याति पात्रताम्। पात्रत्वात् धनमाप्नोति, धनात् धर्मं ततः सुखम्॥)

Implies Knowledge begets discipline, from discipline one gains worthiness, from worthiness wealth is generated, from wealth an individual performs good deeds, which in turn leads to happiness.

I always attempt to listen to what is emerging from the students, to the course of being in the education system to augment; to bring it to reality as they desire. This aids in the process of achieving academic excellence. The more we talk to one another, the more we encourage our students and Faculty to express their views, the more we feel that it harbours a sense of belonging in the fraternity. We promote a positive synergy between participative and reflective openness.

Crystallizing intent requires being open to the larger intention and imaginatively translating the intuitions that arise into concrete images and visions that guide action. With this at the background we strive for perfection through redefining processes and focusing on both Faculty and Student development. We are striding towards freeing up the learning curve.

Heartiest congratulations to the Zeal Fraternity for progression over two decades and warm wishes for the green future to come!



MR. PRADIP KHANDAVE
EXECUTIVE DIRECTOR, ZEAL EDUCATION SOCIETY

PRINCIPAL'S MESSAGE

We provide best platforms to budding engineers to acquire technical knowledge, motor skills and soft skills which are utmost demands of the industry. Unique of our institute is a caring, nurturing culture that recognizes the various aspects of each student and encourages them to bloom to their fullest with confidence. To explore capabilities of student eminent personalities, field experts are invited regularly. We arrange industrial visit, group discussion, project work and test series to improve overall performance and results of students.

Along with campus placement cell, we also have a full-fledged training and placement cell at institute level. Pass outs of our institute already have been shortlisted in reputed MNCs and Indian industries with attractive packages.



DR. C.N. KULKARNI
PH.D MECHANICAL ENGINEERING
PRINCIPAL, ZEAL POLYTECHNIC

HEAD OF DEPARTMENT (H.O.D.) MESSAGE

The Department of Electrical Engineering has been established in the year 2013-14. Being the HOD it gives me immense pleasure to lead the department and be an integral part of its accomplishments. The department is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence.

Our department offers science-based engineering curriculum to the students to pursue their interest. The primary focus of our curriculum is to impart technical know-how to students, promote their problem-solving skills and innovation of new technologies. The course contents are periodically updated for introducing new scientific and technological developments. Our faculty members have excellent academic credentials and are highly regarded. I welcome you to the Electrical Engineering Department as an undergraduate and hope to be part of your success.



PROF. SANDEEP S. NIMBALKAR
M.E. (POWER ELECTRONICS AND DRIVES)
BEE CERTIFIED MANAGER, CHARTERED ENGINEER (IEI),
CORPORATE MEMBER (IEI) INDIA
H.O.D, DEPARTMENT OF ELECTRICAL ENGINEERING
ZEAL POLYTECHNIC, PUNE

Vision & Mission



DEPARTMENT VISION

Develop competent electrical engineers to satisfy societal and industrial needs.

DEPARTMENT MISSION

1. Organize industry institute interaction to enhance teaching learning process for electrical engineering student to improve cognitive and psychomotor skills.
2. Encourage student to participate in co-curricular, extracurricular and social activities to enhance confidence.
3. Create awareness for safety, health and environment among students for working in electrical domain.

LIST OF FACULTY MEMBERS

SR NO	NAME OF STAFF	DESIGNATION	QUALIFICATION
1	Prof. S.S. Nimbalkar	HoD	M.E, AMIE , BEE certified manager, Chartered engineer(IEI), corporate member(IEI) India
2	Prof.G.H.Gajare	I/C HoD	B.E.(EE), ME (Pursuing)
3	Prof. A.C. Gidde	Lecturer	B.E.(EE), ME (Pursuing)
4	Prof.A.S. Potdar	Lecturer	M.Tech (IPS), B.E.(EE)
5	Prof. A.G.Keskar	Lecturer	B.E.(EE), ME (Pursuing)
6	Prof. D.S.Garodi	Lecturer	B.E.(EE), ME (Pursuing)
7	Prof.A.S.Sawant	Lecturer	M.E. (PS), B.E.(EE)
8	Prof.S.S.Patne	Lecturer	BE (Electrical Engg.) ME (Pursuing)

ESTD-1998

CURRICULAR ACTIVITIES

As a part of curriculum, Department periodically organizes a technical field visits to reputed industries and firms to enhance the practical knowledge of students.

- ❖ Under the head of **Electrical Substation Practice** and **Electrical Power Transmission and Distribution** students were visited a **22/11KV MSEDCL Substation Dhayari**. The visit was organized under guidance of **Prof.Mr.G.H.Gajare** dated on 30th Jan. 2020.



❖ Guest Lecture on “Special Tariff and Tariff Design” under head of “Emerging Trends in Electrical Engineering” given by **Mr.Santosh Patani** dated on 07th Feb. 2020 which is arranged by **Prof.A.S.Potdar**.



ESTD-1998

❖ Workshop on “**Electrical AutoCAD and Automation**” under head of “**Electrical Drawing and CAD**” by Mr. A. M. Chavan and Mr. Sagar Gosavi from **Indo German Tool Room(IGTR), Govt. of India Society, Ministry of MSME, Aurangabad** dated on 07th Feb. 2020 which is arranged by Prof.A.S.Potdar.



❖ Guest Lecture on “**Industrial Safety**” under curriculum of Diploma in Electrical Engineering for SYEE and TYEE students given by Mr.Rahul Kurlikar dated on 28th Feb. 2020 which is arranged by Prof.A.S.Potdar.



ESTD-1996

CO-CURRICULAR ACTIVITIES

- ❖ Our department arranged “Zeal Confluence - 2k20” i.e. poster presentation (Post Perfect 2020) and quiz competition (Technoquiz -2020) on 12th Feb 2020.



ESTD-1998

EXTRA-CURRICULAR ACTIVITIES

- ❖ Tribute to Chhatrapati Shivaji Maharaj, Subhedar Tanaji Malusare, Rajmata Jijau and Indian Flag by Making “Largest Human Portrait” by more than 4000 students on the occasion of which made a World Record in **World Book of Record United Kingdom**.





CERTIFICATE

Zeal Education Society Pune (Maharashtra) India

Has been adjudicated for the Mass attempt
"Largest Human Flag of India &
Human Portrait of Architects of Swarajya"
in which more than 4000 students formed a
human portrait to pay tribute to the architects of the Swarjya
on 25 January 2020 at Narhe, Pune (Maharashtra) India

Adjudicator : Mr. Sanjay Panjwani (WBR - India)
Issuing Date: 25th January 2020

S. Shukla
Santosh Shukla
Supreme Court, Advocate
President



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**ATTEMPT CERTIFICATE IS EFFECTIVE FOR 30 DAYS

DIGITAL CERTIFICATE

❖ Tribute to all martyrdom of all Indian history on Martyrdom Day 30th Jan 2020.



❖ Corporate Social Responsibility Activity at Swami Narayan Temple Tekdi, Narhe, Pune on 29th Jan 2020.



❖ TYEE&SYEE (Girls) Kabaddi Winner (Girls) in Sports Day on 24Dec 2019



❖ TYEE&SYEE (Girls) Kho-Kho Winner (Girls) in Sports Day on 24Dec 2019



❖ TYEE&SYEE (Boys) Kho-Kho Runner (Boys) in Sports Day on 24Dec 2019



❖ Ms. Sneha Pimpare (TYEE) Dance (Solo) Winner in Udaan 2k19



STUDENTS ACHIEVEMENT

Results of Winter 2019 of Academic Year 2019-20 of Electrical Engineering

Department

LIST OF TOPPERS - 2019-20

NAME OF STUDENT	PERCENTAGE	YEAR
Hemant Ashok Kshirsagar	86.29	FYEE
Dhanashree Sunil Bartakke	86.25	SYEE
Kedar Raghuvir Urane	90.30	TYEE



STAFF ACHIEVEMENT

The staff of Electrical Department always trying to update themselves as per curriculum requirement. Under this Work shop and training regularly conducted and attended for the same.

- ❖ Prof.A.S. Potdar has been awarded **Master in Technology (M.Tech)** in Integrated Power System with 8.39 CGPA (4th Rank in Nagpur University, Nagpur).
- ❖ Prof.S.S.Nimbalkar published an international journal of research on **“Importance of Electrical Energy in Crushers Plants. Its Working, Advantages, Reliability and Applications,”** International Journal for Scientific Research & Development, Vol-7, Issue 11 in Jan 2020
- ❖ Prof.S.S.Nimbalkar published an international journal of research on **“Literature Survey on Electric Bike,”** International Journal for Scientific Research & Development, Vol-7, Issue 11 in Jan 2020
- ❖ Prof.A.S. Potdar has been awarded Certification of course of **“Solar photovoltaic Off-grid and On-grid: Design & Installation”** approved by the National Institute of Wind Energy (NIWE) R&D Institution Under Ministry of New and Renewable Energy, Govt. of India. | Certificate No.- PV/islA101/6882
- ❖ Prof.A.S. Potdar has reviewed the article with title **“Performance of a thermoelectric Powered by Solar Panel for a Large Cooler Box”** of Special Issue for Advances in Science, Technology and Engineering Systems Journal (SCOPUS).
- ❖ Prof.A.S. Potdar has been awarded Certifications of following courses by Energy University, Schneider Electric and also approved by IEEE, US Green Building Council, BOMI, Construction CPD Certification Service, The Building Performance Institute, Inc. (BPI), The American Society for Healthcare Engineering (ASHE), The Institute of Hospital Engineering, Australia (IHEA), IHEA CHCFM Program.
 1. **Building Controls - I, II, III, IV, V**
 2. **Commissioning For Energy Efficiency**
 3. **Demand Response and the Smart Grid**
 4. **Components of a Health Care Electrical Distribution System**
 5. **Strategic Energy Planning**
 6. **Distributed Generation**

7. **Electrical Contractors Association Energy Efficiency Advisor (ECA EEA)**
8. **ASHE: Energy Manager Energy Management**
9. **Controlling the Impact of Power Factor and Harmonics on Energy Efficiency**
10. **Electric Vehicles: Plugging into Smarter Energy Management**
11. **Energy Efficiency Solutions Book**
12. **Financial Analysis of Energy Efficiency Projects I**
13. **Commissioning For Energy Efficiency**

❖ Prof.A.S. Potdar has been awarded Certifications of following Open Learn Courses by The Open University, UK

1. **Energy in Buildings**
2. **Energy Resources: Tidal Energy**
3. **Energy Resources: Solar Energy**

❖ Prof.A.S. Potdar has been awarded Certifications of following Heatspring Courses approved by North American Board of Certified Energy Practitioners (NABCEP), New York, United States

1. **NABCEP PV Installation Professional Certification Practice Exam**
2. **Photovoltaics and the 2020 National Electric Code (NEC)**

❖ Prof.A.S. Potdar has been awarded Professional Energy Manager Certification by Energy University, Schneider Electric in partnership with the Institute of Energy Professionals (IEP)

❖ The External Monitoring Committee has remarked as following

Academic Year	Remark
2018-19	Very Good
2017-18	Very Good
2016-17	Very Good

LIST OF INTERNATIONAL JOURNALS

For AY 2019-2020					
Sr.No.	Name of The Journals	Publisher Name	No. of Issues	Frequency	Branch / Department
1	Indian Journal of Electrical Circuits Devices System	GRP	2	Bi-Annually	Electrical
2	Indian Journal of Electrical & Electronic Engineering	GRP	2	Bi-Annually	Electrical
3	Indian Journal of electrical Engineering & Technology	GRP	2	Bi-Annually	Electrical
4	Indian Journal of Electrical Engineering	GRP	2	Bi-Annually	Electrical

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