



A I S S M S I O I T

## DEPARTMENT OF ELECTRICAL ENGINEERING

## ELECTROGRAPH!

## THE NEWS LETTER OF ELECTRICAL ENGINEERING

## Program Specific Outcomes (PSO's)

- ◆ Graduates will be able to identify problems in the field of Electrical Engineering and then analyse/design/develop solutions
- ◆ Graduates will be able to select and apply different software tools required for design and /or analysis of electrical systems

## PROGRAM OUTCOMES (PO's)

- ◆ PO1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. [Engineering knowledge]
- ◆ PO2. Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. [Problem analysis]
- ◆ PO3. Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations. [Design/development of solutions]
- ◆ PO4. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. [Conduct investigations of complex problems]
- ◆ PO5. Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. [Modern tool usage]
- ◆ PO6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. [The engineer and society]
- ◆ PO7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. [Environment and sustainability]
- ◆ PO8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. [Ethics]
- ◆ PO9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. [Individual and team work]
- ◆ PO10. Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. [Communication]
- ◆ PO11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. [Project management and finance]
- ◆ PO12. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. [Life-long learning]

## Program Educational Objectives (PEO's)

PEO1: Equip graduates with skills to excel in academic, professional career and higher studies.

PEO2: Inculcate ability among the graduates to investigate problems in engineering and provide effective solutions.

PEO3: Prepare graduates to engage in lifelong learning by developing in them professional social and Ethical attitude.

## Students Achievements 2017

| Name of the Students   | Class                                      | National Level   | Prizes Won  |
|--|--|--|---|
| Swami Omkar Prakash  | BE   | -  | University Rank (6 <sup>th</sup> ) 79.86%           |
| Naik Shubham   | BE   | -  | University Rank (7 <sup>th</sup> ) 78.93%           |
| Aarti Dhotare (TE Electrical)  | Cummins Scholarship                        | National   | Received Scholarship for completing her graduation. |
| Aditi Chinnapure Ishwari Deshmukh (SE Electrical)  | Vidyadhan Scholarship                      | National   | Received Scholarship for completing her graduation  |
| Shubham Wale   | Engineering Today 2017, Paper Presentation | National level Organized by AISSM'S College Of Engineering, Pune | Runner up 13/09/2017                                |
| Ravi Belle<br>Kiran Belle<br>Vikram Mishra<br>Vinit Trinagarwar<br>Parag Shelar<br>Chaitanya Hemade<br>Ashish K. Singh<br>Rushikesh<br>Bhosale | Mind spark 2017                            | National level Organized by College Of Engineering, Pune         | Winners – Technical Championship                    |



| Sr. No | Name of the Teacher | Title of the paper   | Name of the Journal   | Volume & pages                            | Year      | ISSN No.  |
|--------|---------------------|--|---|---|-----------|---|
| 1      | Dr. K. K. Puranik   | Effect on Switching transients on internal insulation of HV motor for power house applications                                 | Conference Paper<br>International Conference on Rotating Electrical machines and Drives . ELROMA 2017 organized by IEE-MA | NA  | 2017      | NA  |
| 2      | Mrs. K. S. Gadgil   | MPPT for Photovoltaic systems with sepic converter counting steady state and drift analysis                                    | International Journal on Recent and Innovation trends in computing and communication Impact Factor : 5.837                | Volume 5, Issue6<br>119 – 127             | June 2017 | ISSN: 2321-8169   |
|        |                     | Speed Control of Induction Motor using Fuzzy Logic   | International Journal on Recent and Innovation trends in computing and communication Impact Factor : 5.837                | Volume 5, Issue6<br>262-265               | June 2017 | ISSN: 2321-8169   |
| 3      | Mrs. S. S. Landge   | A Single Phase Five Level Inverter based on switched DC sources with Reduced Number of Total Component Count by Novel Topology | International Journal on Recent and Innovation trends in computing and communication Impact Factor : 5.837                | Volume 5, Issue6<br>218-223               | June 2017 | ISSN: 2321-8169   |
|        |                     | Solar PV Fed DC Motor Speed Control Using Microcontroller Based Power Electronic Controller                                    | International Journal Of Innovative Research In Science, Engineering And Technology                                       | Volume 6, Issue6<br>11412-11422           | June 2017 | ISSN(Print) : 2347 - 6710<br>ISSN (Online) : 2319 – 8753  |
| 4      | Mrs. S. M. Shaikh   | Power Quality Comparative Analysis of Luminaries for Optimum solution for Consumer and Utility                                 | International Research Journal of Engineering and Technology (IRJET),   | Volume 4 Issue 5, S.NO:613 , pp:2382-2389 | May 2017  | e-ISSN:2395-0056<br>p-ISSN:2395-0072<br>Scientific Journal Impact factor :6.171 for the year 2017 |
|        |                     | Design and Fabrication of Tesla Coil   | International Journal of Advance Research and Innovative Ideas in Education(IJARIIE)                                      | Volume 3 Issue 3, S.No:5458, pp 2399-2404 | June 2017 | ISSN(O)-2395-4396,  |
| 5      | Mr. P.P. Mahajan    | Design and Development of Power Inverter using Combinational Switches for Improvement of Efficiency at Light Loads             | International Journal on Recent and Innovation trends in computing and communication Impact Factor : 5.837                | Volume 5, Issue6<br>794-796               | June 2017 | ISSN: 2321-8169   |

### Resource Person

| Sr. No | Staff Name         | Date & Place  | Details   |
|--------|--------------------|---|---|
| 1      | Dr. K. K. Puranik  | 14/09/2017 & 15/09 /2017  | Session chair at International Conference on Rotating Electrical machines and Drives . ELROMA 2017 organized by IEEMA |
| 2      | Mr. S. V. Shelar   | 06/10/2017<br>AISSMS IOIT, Pune                                 | Gave Power Quality Training to students of Someshwar College of Engineering, Baramati                                 |
|        |                    | 09/11/2017<br>Someshwar Sugar Factory Baramati                  | PQ analysis at Someshwar Sugar Factory  |
|        |                    | 06/10/2017<br>MMCOE, Karvenagar                                 | Delivered Expert lecture on "Recent Trends in Power Quality" at MMCOE, Karvenagar.                                    |
|        |                    | 01-02/09, 19/9, 10/10, 18/11, 21/11/17,                         | NAAC Orientation to 6 Institutes  |
| 3      | Mr S. M. Chaudhari | 09/11/2017<br>Someshwar Sugar Factory Baramati                  | PQ analysis at Someshwar Sugar Factory  |
|        |                    | 18/09/2017<br>SE- Electronics and Telecommunication AISSMS IOIT | Induction Motor & Synchronous motor   |
| 4      | Mrs. K. S. Gadgil  | 06/10/2017<br>AISSMS IOIT, Pune                                 | Gave Power Quality Training to students of Someshwar College of Engineering, Baramati                                 |
| 5      | Mrs. S. M. Shaikh  | 06/10/2017<br>AISSMS IOIT, Pune                                 | Gave Material Science Training to students of Someshwar College of Engineering, Baramati                              |

### Student placed for Academic year 2017-18

| Sr. | Department | Name of Staff     | Organized by                                |
|-----|------------|-------------------|---|
| 1   | Electrical | Vinit Tirnagarwar | Indian Navy                                 |
| 2   |            | Rushiraj Bhosale  | Indian Navy                                 |
| 3   |            | Nikita Gotmare    | Amazon Development Centre (India) Pvt. Ltd. |

**Mission : "To develop innovative and socially responsible engineering professionals by delivering in-depth knowledge of electrical engineering".**

## Books Publication

**Page 3**

| Sr. No | Name of the Author  | Title of the Book  | Name and place of Publishers | Date of Publication | ISBN NO.                 |
|--------|---------------------|--|------------------------------|---------------------|--------------------------|
| 01     | Mr. S. M. Chaudhari | Electrical Machines II (SPPU)                                  | Techmax Publication , Pune   | July 2017           | 978-93-5224-563-5        |
|        |                     | Electrical Power System – I Gujarat Technological university   | Techmax Publication          | July 2017           | 978-93-5224-038-8        |
|        |                     | Elements of Electrical Design Gujarat Technological university | Techmax Publication          | July 2017           | 978-93-5224-028-9        |
| 02     | Mrs. K. S. Gadgil   | Power System Operation and Control                             | Technical Publication, Pune  | July 2017           | ISBN : 978-93-5224-038-8 |
| 03     | Mrs. S. S. Landge   | Power System Operation and Control                             | Technical Publication, Pune  | July 2017           | 978-93-332-1153-6        |

## Teaching Staff who attended Workshops/ Seminars.

| Sr. No | Name of Staff  | Event   | Organized by                                      | Date          |
|--------|--|---|---|---------------|
| 01     | Dr. K.K. Puranik   | International Conference on Rotating Electrical machines and Drives . ELRO-MA 2017  | IEEMA   | 14-15/09/17   |
| 03     | Mr. S. V. Shelar   | IEEE Academia Meet  | TCS, Phase 3, Hinjewadi, Pune                     | 22/08/2017    |
| 04     | Mr. S. M. Chaudhari  | One day workshop on question bank uploading orientation   | Zeal College of engineering and Research , Pune   | 13/10/17      |
| 05     | Mrs. A. D. Shiralkar   | One day tour of TCS Sahyadri Park facility  | TCS under IEEE Pune Section                       | 22/08/17      |
|        |  | One day workshop on Industry Insight  | IBM , pune  | 15/09/17      |
| 06     | Mrs. K. S. Gadgil  | Solar Roof tops   | Solar Quarter , Mumbai                            | 07/07/17      |
| 08     | Mrs. S. M. Shaikh  | IEEE PES DL Lecture by Dr. Sivaji Chakravorti "Condition monitoring of transformers" Director, NIT Calicut & Professor of Electrical Engineering, Jadhavpur University, | PVG's COET, 44, Vidyanagari, Parvati, Pune 411009 | 12-19/12/2016 |
|        |  | 5 day STTP on, "Train the Trainer" at ELTIS   | CII and ELTIS                                     | 10-15/07/2017 |
| 09     | Mrs. S. M. Shaikh<br>Mrs. S. N. Powniker<br>Mrs. Sneha Patil   | Eplan Software Symposium  | Eplan Software,Pune                               | 24/11/17      |
| 10     | Mrs. S. N. Powniker  | PSSE software presentation- Workshop  | PSSE software                                     | 13/06/17      |
|        |  | T10KT Two Week ISTE STTP on Electric Power System   | IIT Kharagpur Remote Centre-PVG COET Pune         |               |
| 11     | Mrs. S. N. Powniker,<br>Mr. B. D. Deotale,<br>Ms. Goyal Awagan | Solar Rooftop PV generation and Net Metering Regulations  | PVG's COET , Pune                                 | 23/11/17      |

## Media publicity-News in Daily sakal dated 05/09/17

### 'सोलर पॉलिसी'वर व्याख्यान

राजीव गांधी अक्षय ऊर्जा दिनानिमित्ताने ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटीच्या विद्युत अभियांत्रिकी विभागातर्फे अपारंपरिक ऊर्जा मंडळांतर्गत 'सोलर पॉलिसीज फॉर इंडिया' या विषयावर व्याख्यान आयोजित केले होते. महाराष्ट्र एनर्जी डेव्हलपमेंट एजन्सीचे मुख्य व्यवस्थापक किशोर शिंदे यांचे व्याख्यान आयोजित केले होते, तसेच 'अपारंपरिक ऊर्जास्रोतांचा वापर' या विषयावर विद्यार्थ्यांनी पथनाट्य सादर केले. या वेळी प्राचार्य डॉ. प्रदीप माने, विभागप्रमुख संदीप चौधरी उपस्थित होते. सूत्रसंचालन ओंकार झांजे व विक्रम मिश्रा यांनी केले. ऋतुजा गाडगीळ यांनी आभार मानले.

### SOLAR ENERGY EXPO



### ELECTRO FUNDA PROJECT COMPETITION



### POSTER COMPETITION


**Books Published: 05**
**Workshop Organized: 13**
**Faculty Knowledge Forum: 07**
**Faculty as Resource Persons: 05**
**IEI Activities Conducted: 11**
**Expert Lectures: 15**
**MOU Signed: 03**
**REC Club: 02**
**EESA Activities: 21**



| Sr. No | Date of Visit | Class        | Company   | No. of Students Visited | Organized and Attended by  |
|--------|---------------|--------------|---|-------------------------|--|
| 1      | 4/07/17       | T.E          | 22KV Parvati Receiving station (EIMT)             | 45                      | Organized By : Mrs. S. M. Shaikh<br>Attended By : Mrs. N. M. Rao, Mr. P. P. Mahajan, Mrs. S. S. Landge, Mrs. K. S. Gadgil, Mrs. S. M. Shaikh, Mrs. A. D. Shiralkar |
| 2      | 18/08/17      | S.E.         | Automatic Electric, Lonavala                      | 40                      | Organized By: Mr. S. M. Chaudhari<br>Attended By: Mr. S. M. Chaudhari, Mr. P. P. Mahajan, Mr. V. S. Kamble, Mr. S. A. Asarkar, Mrs. S. N. Powniker                 |
| 3      | 12/9/17       | B. E. Instru | Deenanath Mangeshkar Hospital and research center | 09                      | Organized By : Ms Goyal Awagan<br>Attended By: Ms Goyal Awagan, Ms. Sneha Patil  |
| 4      | 15/9/17       | T. E.        | Visit to 1 <sup>st</sup> Solar Power Expo         | 20                      | Organized By : Mrs. K.S. Gadgil<br>Attended By: Mrs. K.S. Gadgil, Ms. Sneha Patil  |
| 5      | 28/09/17      | B.E          | 50 W Solar Power Plant Shirsupal, Baramati        | 50                      | Organized By : Mr. V. S. Kamble<br>Attended By : Mrs. V. P. Kuralkar, Mr. S. S. Shingare, Mr. V. S. Kamble, Mr. P. P. Mahajan, Mrs. S. N. Powniker                 |

## Expert Lectures

| Sr. No. | Date     | Topic  | Speaker  | Organizer                              |
|---------|----------|--|--|--|
| 1       | 31/07/17 | Development of Entrepreneurship skills and applications of electrical engineering for social cause | Mr. Sagar Bendre<br>Alumni, Recipient of Fellowship of SBI youth for India                     | Mrs. S. M. Shaikh                      |
| 2       | 18/08/17 | Automation and Entrepreneurship  | Mr. Omprakash Barure<br>Director- Services & Training Ditap-V Automation Pvt. Ltd. Pune        | Mrs. A. D. Shiralkar                   |
| 3       | 12/07/17 | Study Aboard Opportunities   | Mr. Rahul Kamble<br>Business Development Manager, Edu options, Germany, Pune                   | Mrs. K. S. Gadgil<br>Mr. P. P. Mahajan |
| 4       | 01/09/17 | Sustainable Energy   | Mrs. Medha Deshpande (Director, Business Unit Head, Yardi Pvt. Ltd.)                           | Mrs. V. P. Kuralkar                    |
| 5       | 18/09/17 | Energy Conservation  | Mr. Keshav Sidwadkar<br>Proprietor, Brisk Enterprises, Pune                                    | Mrs. K. S. Gadgil                      |
| 6       | 11/09/17 | Study of Electricity bill and Tariff formulation process   | Mr. S.V. Shelar<br>Assistant Professor In Electrical Engineering department, AISSMS IOIT, Pune | Mr. S.M. Chaudhari                     |

## IE (I) Activities

| Sr. No | Date                 | Activity Details Topic  | Resource person   |
|--------|----------------------|---|-------------------|
| 1      | 23/6/17              | Technical Presentation Activity for SE Electrical. Topics: Wireless charger, Solar Tree Timers, Wind turbine advancement, Voltage Regulators, Water level controller etc. | Mr. S. A. Asarkar |
| 2      | 5/7/17               | Self Learning activity- Presentation on topic GTO-construction, working, VI characteristics and applications  | Mrs. S.S.Landge   |
| 3      | 7/7/17               | Electrical Installation, Maintenance & Testing (EIMT) -brain storming   | Mrs. S. M. Shaikh |
| 4      | 07/07/17<br>27/07/17 | Electrical Installation, Maintenance & Testing (EIMT) -Video Lectures   | Mrs. S.M. Shaikh  |





# ELECTROGRAPH

THE NEWS LETTER OF ELECTRICAL ENGINEERING

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## Students placed in academic Year 2017-2018 ( SEM II)

| NAME                | NAME OF THE COMPANY                            |
|---------------------|--|
| Vinit Tirnagarwar   | Indian Navy                                    |
| Rushiraj Bhosale    | Indian Navy                                    |
| Nikita Gotmare      | Amazon Development Centre (India) Pvt. Ltd.    |
| Chaitnya Hemade     | Kone Cranes Ltd.                               |
| Ajinkya Dani        | Kone Cranes Ltd.                               |
| Samruddhi Kuchik    | Kone Cranes Ltd.                               |
| Nikita Gotmare      | Kone Cranes Ltd.                               |
| Omkar Chichkar      | Amazon Development Centre (India) Pvt.Ltd.     |
| Jagjit Singh        | Naval Selection Board.                         |
| Tushar Devakar      | Deepak Fertilizers , Mumbai                    |
| Vinit R Tirangarwar | Atandra Energy Pvt. Ltd, Chennai               |
| Parag M Sekhar      | Atandra Energy Pvt. Ltd, Chennai               |
| Akash R Walanjkar   | Atandra Energy Pvt. Ltd, Chennai               |
| Himanshu Dakre      | Atandra Energy Pvt. Ltd, Chennai               |
| Shradda S Gavali    | Atandra Energy Pvt. Ltd, Chennai               |
| Kalyani Madane      | Atandra Energy Pvt. Ltd, Chennai               |
| Deepak maraskolhe   | Atandra Energy Pvt. Ltd, Chennai               |
| Himanshu Dakre      | Obara India Pvt. Ltd.                          |
| Shubham Gavhane     | Tsl Marketing Pvt Ltd.                         |
| Guruprasad Khaire   | Revine Technologies Pvt. Ltd, Pune             |
| Yash junawane.      | Anglo-Eastern Ship Management(India) Pvt. Ltd. |
| Sarvesh Gatage      | Nagpur Metro                                   |



## TOPPERS

Bhagyashri Patil

(SE) 9.06 CGPA

Rohan Koli (TE)

9.13 CGPA

Sarvesh Ghadge  
(BE) 81.47%



## Activities

- Soft Skill Training,
- Arduino Hand on Training Workshop,
- Project Competition,
- Training/Internship Activity under Power Quality & Energy Cell
- Energy Conservation Drive

## Accolades



- BE Electrical Student, Shubham Naik, secured 9th rank in BE Electrical Examination 2017 held by SPPU.
- BE Electrical students Vinit Tirangwar, Chaitanya Hemade won Second Prize in "DIPEX" 2018, State level project competition.
- Our Cultural Teams' artistic performance the " Jaat Jaata Jaina" in ALACRITY 2017-18 was very well appreciated.
- SE Electrical Student Prajakta Pandkar has won first prize in Firodiya individual event.
- Anurag Mohan, Sachin Madan qualified GATE 2018.

**Paper Publication (Journal)**

| Sr No | Name of the Teacher | Title of the paper  | Name of the Journal  | Volume & Pages                  | Year of Publication              | ISSN No.                        |
|-------|---------------------|---|--|---------------------------------|----------------------------------|---------------------------------|
| 01    | Mr. S. M. Chaudhari | Harmonic Mitigation Techniques for Synchronous Alternator   | International Journal for Science and Advance Research in Technology   | Volume 4                        | March 2018                       | ISSN 2395-1052                  |
| 02    | Mr. S. M. Chaudhari | Design and Implementation of LED driver for Illumination and Visual light Positioning                                   | International Journal for Research in Applied Science & Engineering Technology Impact Factor 6.887           | Volume 5, Issue XII,            | January 2018                     | ISSN: 2321-9653;                |
| 03    | Mrs. A.D. Shiralkar | PLC based Position Control of an Electro Hydraulic System   | International Journal For Science and Advance Research In Technology(  | Volume 4, Issue 3               | March 2018                       | 2395-1052                       |
| 04    | Mrs. A.D. Shiralkar | Digital control of Active power factor correction Using SPWM Technique  | International Journal For Applied Science & Engineering Technology (IJRASET)                                 | Volume 6 Issue 1                | January 2018                     | 2321-9653                       |
| 05    | Mrs. K.S.Gadgil     | Sizing, Integration, Testing and Cost Benefit Analysis of 3.5 KW PV Systems at Mindtree Ltd Pune                        | International Journal for Research in Applied Science & Engineering Technology (IJRASET) ImpactFactor :6.887 | Volume 6, Issue I,              | January 2018                     | ISSN: 2321-9653;IC Value: 45.98 |
| 06    | Mr. S. S. Shingare  | To Enhance Power Quality in Single Phase System with Critical Loads Using Transformer-Less Active Devices               | International Journal of Recent Trends in Engineering & Research (IJRTER)                                    | Volume Issue 12; 51-60          | December 2017                    | 2455-1457                       |
| 07    | Mr. S. S. Shingare  | Design and Implementation of GSM Based Power Supply Control   | International journal for science and advance research in technology   | Volume 4 Issue 3 1762- 64       | March 2018                       | 2395-1052                       |
| 08    | Mr. V. S. Kamble    | Monitoring & Controlling of Temperature, Pressure & water level in thermal Power plant by Arduino                       | International journal for science and advance research in technology   | Volume 4, Issue 4               | April 2018                       | ISSN : 2395-1052                |
| 09    | Mr. V. S. Kamble    | Comparison of Voltage and Efficiency of a Modified SEPIC Converter without Magnetic Coupling and with Magnetic Coupling | IJSART- International Journal for Science and Advance Research In Technology,                                | Volume 6, Issue IV,             | April 2018                       | ISSN: 2321-9653                 |
| 10    | Mrs.S.S Landge      | Vehicle Security System using GSM technology  | International Journal for Science and Advance research in technology   | Vol.4,1217-1220                 | March 2018                       | ISSN: 2395                      |
| 11    | Mrs.S.S Landge      | Advance Control Technique for Power Management and Synchronized Operation of Hybrid Micro-grid System                   | International Journal of Electrical, Electronics and Computer Science Engineering                            | Volume 4                        | December 2017                    | ISSN: 2454-1222                 |
| 12    | Mrs.S.S Landge      | Generation of Electrical Energy From Overhead Water Tanks of Multistoried Buildings                                     | IJSART- International Journal for Science and Advance Research In Technology,                                | Volume 4 Issue 3 , PP 1591-1594 | March 2018                       | ISSN 2395-1052                  |
| 13    | Mrs. S. M. Shaikh   | Generation of Electrical Energy From Overhead Water Tanks of Multistoried Buildings                                     | IJSART- International Journal for Science and Advance Research In Technology,                                | Volume 4 Issue 3 , PP 1591-1594 | March 2018                       | ISSN [2395-1052                 |
| 14    | Mrs. V.P.Kuralkar   | Greenhouse Environmental Parameters Monitoring and Controlling  | International Journal for Science and Advance Research in Technology   | Volume 4 972-975                | March 2018                       | ISSN : 2395-1052                |
| 15    | Mrs.N.M.Rao         | Development of an Energy Storage System for hybrid Electric vehicles Using Super Capacitor                              | International Journal for Science and Advance Research in Technology   | Volume 4 Issue 3 , PP 1534-1538 | March 2018, Impact factor- 4.284 | ISSN 2395-1052                  |
| 16    | Mrs.N.M.Rao         | Power Factor Improvement for 3 Phase induction Motor using PLC  | International Journal for Science and Advance Research in Technology   | March 2018,                     | March 2018,                      | ISSN 2395-1052                  |

**Books Publication**

| Sr. No | Name of the Author                       | Title of the Book  | Name and place of Publishers | Date of Publication | ISBN/ISSN NO.     |
|--------|--|--|------------------------------|---------------------|-------------------|
| 01     | Mr. S. M. Chaudhari                      | Utilization of Electrical energy SPPU                            | Tech Max Publication         | January 2018        | 978-93-87523-34-0 |
|        |  | Electrical Machines III Mumbai University                        | Techmax Publication          | December 2017       | 978-93-5077-958-3 |
|        |  | Electrical Machines II   | Techmax Publication          | February 2018       | 978-93-87523-98-2 |
|        |  | Power system I Mumbai University                                 | Techmax Publication          | January 2018        | 978-93-87656-10-9 |
| 02     | Mr. S. V. Shelar<br>Mr. S. M. Chaudhari  | Design of Electrical Machines SPPU                               | Techmax Publication          | January 2018        | 978-93-87235-55-7 |
| 03     | Mr. S. M. Chaudhari<br>Mrs. S. S. Landge | Electrical Power System – II<br>Gujarat Technological university | Techmax Publication          | January 2018        | 978-93-5077-627-8 |

***Vision:*** Contribute to the society by imparting quality education in the field of Electrical Engineering and prepare students to succeed in their professional career by inculcating in them high human values.

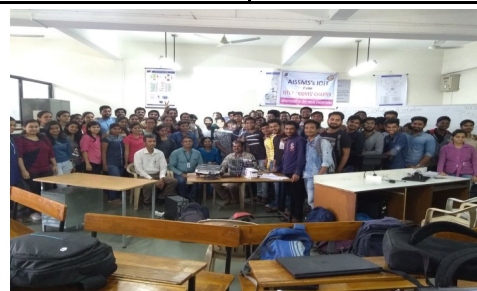


### Teaching Staff who attended Workshops/ Seminars.

| Sr. No | Name of Staff                       | Event  | Organized by                     | Date             |
|--------|-------------------------------------|--|----------------------------------|------------------|
| 1      | Mr. S. M. Chaudhari & All Faculties | BE Electrical (2015 Course) Syllabus Revision Workshop                               | SPPU, AISSMS IOIT                | 30 Jan 2018      |
| 2      | Mr. S. V. Shelar                    | IEEE iTEC INDIA 2017 International conference on Electric Vehicle                    | ARAI Pune                        | 13 – 15 Dec 2017 |
|        |                                     | IEEE International Conference ICPS 2017  | College of Engineering Pune (    | 21-23 Dec 2017   |
|        |                                     | One day workshop on “Enhancing Quality of Technical Education Issues and Challenges” | DTE & AICTE WRO - Mumbai         | 21 Feb 2018      |
| 3      | Mrs. A. D. Shiralkar                | Preparatory workshop on Affordable Agriculture                                       | IEEE Pune Section in AISSMS IOIT | 28 Feb 2018      |
|        |                                     | The 8th National Power Electronics Conference  | College of Engineering Pune      | 18- 20 Dec 2018  |
| 5      | Mrs. S. M. Shaikh                   | 7 <sup>th</sup> International Conference on Power Systems                            | College of Engineering Pune      | 21-23 Dec 2017   |
| 6      | Mr. S. S. Asarkar                   | Recent developments in solar & smart energy systems                                  | MMCOE, SPPU                      | 15-16 Dec 2017   |
| 7      | All Faculties                       | ETAP Hands on Training Workshop  | ETAP Automation                  | 13-14 June 2018  |

### Non Teaching staff who attended Workshops.

| Sr. No. | Name of Staff      | Event                  | Organized by    | Date          |
|---------|--------------------|------------------------|-----------------|---------------|
| 1       | Mrs. Suchita Ingle | ETAP Hands on Training | ETAP Automation | 13-14 June 18 |



### Faculty Knowledge Forum

| Sr. No. | Name of Staff        | Date    | Details   |
|---------|----------------------|---------|---|
| 1       | Mrs. A. D. Shiralkar | 17/1/18 | 3 days workshop in COEP (NCPC)  |
| 2       | Mr. S. V. Shelar     | 24/1/18 | Power Quality & Motor Analyser  |
| 3       | Mrs. S. N. Powniker  | 13/2/18 | Solar Rooftop and Net metering  |
| 4       | Mr. B. D. Deotale    | 20/2/18 | Transient Stability Improvement                                       |
| 5       | Ms. G. A. Awagan     | 28/3/18 | Mathematical modelling of Electrical arc furnace to study the flicker |



### Resource Person

| Sr. No | Name of Staff                          | Date & Place         | Details  |
|--------|--|----------------------|--|
| 01     | Mr. S. M. Chaudhari, Mr. P. P. Mahajan | 13 /03/18, Sangli    | DIPEX 2018 : Judge for Project Competition .   |
| 02     | Mrs. A. D. Shiralkar                   | 15/12/17, AISSMS COE | Deliver Expert lecture on PLC & Application in Faculty Orientation Workshop on TE (E&TC/Elex) Revised Syllabus 2015 course SPPU. |
| 03     | Mrs. S. M. Shaikh                      | 13/02/18, Pune       | Reviewer for Premier Publishers.   |

Save Environment



*India is Now the World's Third-Largest Electricity Producer.*

*India the Fourth-Largest Wind Power Producer in the World (34 GW).*

*India the Sixth-Largest Solar Power Producer in the World (21GW).*



**Mission:** To develop innovative & socially responsible engineering professionals by delivering in depth knowledge of Electrical Engineering

**Industry Institute Interaction: Industrial Visits**

| Sr. No | Date of Visit | Class | Company   | No. of Students | Organized and Attended by   |
|--------|---------------|-------|---|-----------------|---|
| 1      | 22/12/17      | SE TE | Manisha Engineers Pvt. Ltd , Pirungut, Pune           | 51              | Organized By: Mrs. V. P. Kuralkar.<br>Attended By: Mrs. V. P. Kuralkar, Mrs. K.S. Gadgil, Mrs. N. M. Rao, Mr. S. M. Chaudhari Mr. P. P. Mahajan, Mr. V. S. Kamble , Mr. S. A. Asarkar , Mr. B. D. Deotale |
| 2      | 25/01/18      | TE    | HVDC Terminal station Padghe, Thane                   | 45              | Organized By: Mr. V. S. Kamble<br>Attended By: Mr. V. S. Kamble, Mrs. N. M. Rao , Mrs. V. P. Kuralkar   |
| 3      | 15/02/18      | BE    | Sakal Printing Press , Urali Devachi , Pune           | 43              | Organized By: Mrs. S.S.Landge<br>Attended By: Mrs. S.S.Landge, Dr. K. K. Puranik, Mrs. A. D. Shiralkar , Mr. S. S. Shingare , Mrs. S.M. Shaikh  |
| 4      | 16/02/18      | SE    | 132KV Ganeshkhind Substation , Pune                   | 56              | Organized By: Mrs. S. N. Powniker,<br>Attended By: Mrs. S. N. Powniker , Mr. S. M. Chaudhari Mr. P. P. Mahajan, Mrs. K. S. Gadgil , Ms. G. R. Awagan  |
| 5      | 27/02/18      | BE    | MAHA-DISCOM- Testing and Quality Assurance Laboratory | 45              | Organized By : Mrs. S.M.Shaikh<br>Attended By: Mrs. S.S.Landge Mr. B.D.Deotale , Mrs. S.M.Shaikh  |
| 6      | 23/03/18      | TE    | Railway's Traction Substation at Khadki Pune          | 46              | Organized By: Mr. S. A. Asarkar<br>Attended By: Mrs. V. P. Kuralkar, Mr. S. A. Asarkar , Mr. B. D. Deotale , Mrs. A. D. Shiralkar, Ms. S. M. Patil , Ms. G. R. Awagan                                     |
| 7      | 28/03/18      | BE    | MA-HATRANSCO 220 kV GIS Kondhwa                       | 45              | Organized By : Mr. S. S. Shingare . Attended By : Mrs. S. M. Shaikh   |



**BE Class Visit: MAHATRANSCO 220 kV GIS Kondhwa Sub-Station**



**TE Class: HVDC Terminal station Padghe, Thane.**



**SE Class Visit: 132KV Ganeshkhind Substation, Pune**



**Discussion about bill structure and TOD with Mr. Talware**

**Professional Cell Activities**

| Sr. No | Date   | Activity Details Topic   | Resource person   |
|--------|--|--|---|
| 1      | 24 /01/18 onwards                            | Energy audit activity with Strom Energy Pvt. Ltd.  | Dr.Talware, Mr S.V.Shelar, Mr S.M.Chaidhari, Mr S A Asarkar |
| 2      | 17/01/18                                     | Group discussion & presentation for solid and liquid dielectric breakdown                      | Mrs. S.M.Shaikh   |
| 3      | 26/03/18                                     | Project Competition  | Mr. S. S. Shingare  |
| 4      | 01/02-30/3/18                                | Energy Conservation Drive  | Mrs. N.M.Rao  |
| 5      |  | Discussion on Net Metering for SE Electrical   |   |
| 6      | 05/01/18<br>07/02/18<br>12/03/18<br>22/03/18 | Peer Study Group Activity ..<br>GATE guidance, Exam Preparation, Design & Fabrication workshop | S N Powniker, Subject and Class Toppers ,                   |

**Expert Lectures**

| Sr No | Date     | Activity Details   | Speaker/ Judge   | Organizer           |
|-------|----------|--|--|---------------------|
| 1     | 02/02/18 | Fem Based Electromagnetic Analysis Software                        | Mr. Ghanshyam Ambekar                                  | Mrs. V. P. Kuralkar |
| 2     | 13/03/18 | Expert Lecture for HVE on topic Generation of High Impulse Voltage | Dr. K.K.Puranik  | Mrs. S.M.Shaikh     |
| 3     | 20/03/18 | Electricity Bill Reading and Energy Conservation                   | Mr . Yogendra Talware<br>STROM Eenrgie Pvt. Ltd , Pune | Mr. S.V. Shelar     |
| 4     | 26/03/18 | Importance and Preparation of competitive exams                    | Mr. Amol Dubal<br>NIT Jalandar                         | Mrs. K. S. Gadgil   |