



Rayat Shikshan Sanstha's

**Karmaveer Bhaurao Patil Polytechnic, Satara.**



**Electrical Engineering  
Department  
ElectroSpark  
Newsletter**

### VISION

*“To produce world-class engineers for converting global challenges into opportunities through Value added Quality Technical Education in the field of Electrical Engineering.”*

*“To develop this Department so as to meet the rapidly changing Technical as well as Industrial requirements through continuous updating of curriculum, high quality teaching and development of laboratory facilities as required.”*

### MISSION

*“To impart quality education in the areas of Electrical Engineering for enhancing the opportunities for higher education, employment and entrepreneurship development, there by contributing to socioeconomic development of the State and the Nation at large.”*

*“To maintain a positive academic environment that promotes excellence in learning through constructive interaction among students, faculty, Academia and Industry.”*

*“To excel in imparting domain specific technical education through effective Teaching-Learning process, nurturing research, creativity and critical thinking in applying engineering skills to face the fast growing global challenges and opportunities.”*

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**PO's & PSO's**  
**Program outcome**

- PO1** *Basic knowledge:* Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Electrical engineering problems.
- PO2** *Discipline knowledge:* Apply Electrical engineering knowledge to solve broad-based electrical engineering related problems.
- PO3** *Experiments and practice:* Plan to perform experiments and practices to use the results to solve broad-based Electrical engineering problems.
- PO4** *Engineering tools:* Apply relevant Electrical technologies and tools with an understanding of the limitations.
- PO5** *The engineer and society:* Assess societal, health, safety, legal and cultural issues and the Consequent responsibilities relevant to practice in the field of Electrical engineering.
- PO6** *Environment and sustainability:* Apply Electrical engineering solutions also for sustainable development practices in societal and environmental contexts.
- PO7** *Ethics:* Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Electrical engineering.
- PO8** *Individual and team work:* Function effectively as a leader and team member in diverse/multidisciplinary teams.
- PO9** *Communication:* Communicate effectively in oral and written form.
- PO10** *Life-long learning:* Engage in independent and life-long learning activities in the context of technological changes also in the Electrical engineering and allied industry.

**Programme Specific Outcome (PSO)**

- PSO1** *Electrical Equipment:* Maintain various types of rotating and static electrical equipment.
- PSO2** *Electric Power Systems:* Maintain different types of electrical power systems.

## From Principal's Desk



“I congratulate Prof. P. S. Patil, Head of Electrical Engineering Department, her Department Faculty, Staff and Students for taking the initiative and launching the first issue of Electrical Engineering Department News letter, the half yearly newsletter. I am very much confident That, this newsletter will serve as an important link with all the stakeholders of the Polytechnic and the Electrical Engineering Department in particular. My best wishes to the department for the success of this newsletter and hope that with more and more inputs from our stakeholders additional features can be include in future issues of the newsletter.”

**Prof. K. S. Sheikh  
(I/C Principal)  
Karmveer Bhaurao Patil, Polytechnic,  
Satara.**

**“Efficiency is  
doing things right,  
Effectiveness is  
doing the right  
“thing.”**

## From HOD's Desk



“Welcome to the first issue of newsletter ElectroSpark by Electrical Engineering Department which gives an overview of what is happening in the electrical department of Karmveer Bhaurao Patil, Polytechnic, Satara.

As the institute develops by time so through this newsletter we will keep you update of all events of our department.”

**Prof. P. S. Patil  
( HOD of Electrical Department)  
Karmveer Bhaurao Patil, Polytechnic,  
Satara**

## DEPARTMENT PROFILE



The Department was started in the year 2010 with an objective of creating a leader in engineering education and research with the application of knowledge for lifting up the society globally. Department was started with an intake of 60 students.

The faculty members are consistently doing well in teaching and research activities. The Department had well established and equipped laboratories like D C Machines Lab, A C Machines Lab, Power Electronics Lab, & Measurements and Instrumentation Lab, Basic Electrical Engineering Lab with equipment cost of Rs30 Lakhs. The Department provides exposure to the students with hands-on experience on various Electrical Engineering subjects to face the challenges of the modern corporate world and to mould them as responsible citizens of the country with a willingness to serve the society.

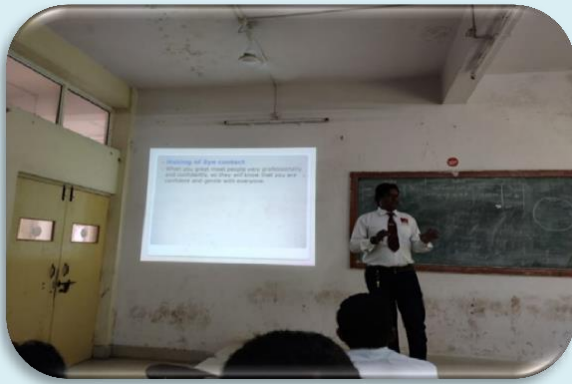


*ESA*

Electrical Engineering Student Association (ESA) is an Association formed by the students of Electrical Engineering Department to foster the growth of knowledge. With the support and guidance of the faculty, Technical and Non- technical events are organized for assisting students to increase their knowledge and skills in planning, delegating, decision making and to develop a more positive and realistic attitude toward themselves, their peers and the institute. It provides opportunities for social interaction among organization members. Under ESA we have conducted various events as paper presentation, industrial visits, guest lectures, soft-skills development programs, welcome function to all new comers of the entire Electrical Engineering

Department

## Guest Articles



1. Guest lecture on **Interview Techniques** was delivered by **Mr. Satish Sutar** Professional Trainer Forge Academy Satara on 13<sup>th</sup> September 2019.



2. A Guest Lecture on **Personality Development** was organized on 15th september 2019 by **Mr. Amol Acharaker** Operation Head National Employability Enhancement mission, Pune to Electrical students.



3. A Guest Lecture on **Personality Development and Art of living** was organized on 16th September 2019 by **Dr. Priya Jagdale** Operation Head National Employability Enhancement mission, Pune to Electrical students.

## *ESA Activities*

### 1. Electrical Engineering Students Association (ESA) Inaugural

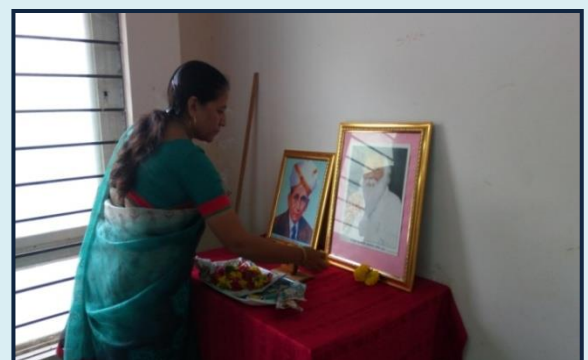
In the first session ESA inaugural function was organized in the hands of Hon. Principal B.V. Kadam. Prof. V.B. Bhosale is appointed as faculty co ordinator of ESA Following students were appointed as office bearers.

### 2. Welcome function and Teachers day celebration

In second session, ESA organized welcome function for first year and direct second year electrical engineering students. ESA organized teachers day and Teaching competition. Before Starting the function Hon. Principal Prof. K.S. Sheikh, H.O.D. of Electrical engineering Departments Prof. Mrs.P.S.Patil, Prof. V.B.Bhosale ESA President Ghanwat Aniket Offers a flowers to a Pratima of Pioneer of Rayat Shikshan Sanshtha's Dr. Karmaveer Bhaurao Patil, Rayat Mauli Sau. Laxmibai Bhaurao Patil & Dr. Sarvapalli Radhakrishnan.

### 3. Engineers Day Celebration

On 15<sup>th</sup> September 2017, ESA of Electrical Engineering Department arranged a guest lecture on career guidance and personality development by Mr. Pradyumn Agate. The president of ESA Mr. Ghanwat Aniket briefed the importance of Engineer's day After his speech the guest lecture was delivered by Mr. Pradyumn Agate.



# STUDENT'S ACHIEVEMENTS

*Congratulations...!!*

## Third Year Toppers



**MAHAMULKAR  
PRAJAKTA KALYAN**

**88.25%**



**SAH  
PRAKASHKUMAR  
LALANPRASAD**

**86.25%**



**SHINGATE SHITAL  
HANMANT**

**85.12%**

**Stud  
ent'  
s  
Acti  
vities**

## Second Year Toppers



**SHINDE RUTUJA  
VISHWAS**

**81.2 %**



**MANE ARTI  
BALKRISHNA**

**81.07%**



**RAUT SAKSHI  
RAVINDRA**

**80.93%**

## First Year Toppers



**SNEHAL CHAVAN**

**75.56%**



**ROHAN SHINDE**

**75%**



**PRANALI JAGTAP**

**72.63%**

### *Snippets*



*Prize Distribution on 15<sup>th</sup> September 2019*



*Parents and Teacher's meet on 3<sup>rd</sup> September 2019*

*"The Key to a greener planet is in your hands"*



**Tree Plantation Done on**





## Academic Calendar- 2019-20(Odd Semester)

### Odd Semester (FIRST/THIRD/FIFTH) Planner 2019-20 First Semester: 26 June to 12 October 2019

| June-19 |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|
| MON     | TUE | WED | THU | FRI | SAT | SUN |
|         |     |     |     |     | 1   | 2   |
| 3       | 4   | 5   | 6   | 7   | 8   | 9   |
| 10      | 11  | 12  | 13  | 14  | 15  | 16  |
| 17      | 18  | 19  | 20  | 21  | 22  | 23  |
| 24      | 25  | 26  | 27  | 28  | 29  | 30  |

|            |   |
|------------|---|
| 26/06/2019 | Start of Academic year 2019-20          |
| 26/06/2019 | Display of Tentative Time table (SY/TY) |
| 26/06/2019 | Start of Lecture (SY/TY)                |
| 30/06/2019 | Review of Academic Progress by HOD      |

| July-19 |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|
| MON     | TUE | WED | THU | FRI | SAT | SUN |
| 1       | 2   | 3   | 4   | 5   | 6   | 7   |
| 8       | 9   | 10  | 11  | 12  | 13  | 14  |
| 15      | 16  | 17  | 18  | 19  | 20  | 21  |
| 22      | 23  | 24  | 25  | 26  | 27  | 28  |
| 29      | 30  | 31  |     |     |     | 27  |

|            |  |
|------------|--|
| 01/07/2019 | Tree Plantation, Start of Lecture (FY) |
| 02/07/2019 | Start of Lecture & Practical (SY/TY)   |
| 31/07/2019 | Review of Academic Progress by HOD     |

| August-19 |     |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|-----|
| MON       | TUE | WED | THU | FRI | SAT | SUN |
|           |     |     | 1   | 2   | 3   | 4   |
| 5         | 6   | 7   | 8   | 9   | 10  | 11  |
| 12        | 13  | 14  | 15  | 16  | 17  | 18  |
| 19        | 20  | 21  | 22  | 23  | 24  | 25  |
| 26        | 27  | 28  | 29  | 30  | 31  | 21  |

|            |                                     |
|------------|-------------------------------------|
| 01/08/2019 | 1st Defaulter Report (June to July) |
| 29/08/2019 | Unit Test 1(Second & Third Year)    |
| 31/08/2019 | Review of Academic Progress by HOD  |

| September-19 |     |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|-----|
| MON          | TUE | WED | THU | FRI | SAT | SUN |
| 30           |     |     |     |     |     | 1   |
| 2            | 3   | 4   | 5   | 6   | 7   | 8   |
| 9            | 10  | 11  | 12  | 13  | 14  | 15  |
| 16           | 17  | 18  | 19  | 20  | 21  | 22  |
| 23           | 24  | 25  | 26  | 27  | 28  | 29  |

|  |   |
|--|---|
| 01/09/2019                             | 2nd Defaulter Report (June to August)                               |
| 04/09/2019                             | Declaration of result Unit test 1 (SY& TY)                          |
| 05/09/2019                             | Inauguration of DESA students organizations                         |
| 15/09/2019                             | Inauguration of "electron" Newsletter, Engineer's Day & Parent meet |
| 16/09/2019 & 17/09/2019                | Unit Test 1(First Year)   |
| 3 <sup>rd</sup> Week                   | Industrial Visit  |
| 3 <sup>rd</sup> & 4 <sup>th</sup> Week | Remedial Lectures for weaker students                               |
| 29/09/2019                             | Review of Academic Progress by HOD                                  |

| October-19 |     |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|-----|
| MON        | TUE | WED | THU | FRI | SAT | SUN |
|            | 1   | 2   | 3   | 4   | 5   | 6   |
| 7          | 8   | 9   | 10  | 11  | 12  | 13  |
| 14         | 15  | 16  | 17  | 18  | 19  | 20  |
| 21         | 22  | 23  | 24  | 25  | 26  | 27  |
| 28         | 29  | 30  | 31  |     |     |     |

|            |  |
|------------|--|
| 01/10/2019 | 3rd Defaulter Report (June to September)   |
| 09/10/2019 | Unit Test 2(Second & Third Year)           |
| 11/10/2019 | Review of Academic Progress by HOD         |
| 12/10/2019 | Declaration of result Unit test 2 (SY& TY) |
| 14/10/2019 | MSBTE Practical Examination                |
| 29/10/2019 |  |

| November-19 |     |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|-----|
| MON         | TUE | WED | THU | FRI | SAT | SUN |
|             |     |     |     | 1   | 2   | 3   |
| 4           | 5   | 6   | 7   | 8   | 9   | 10  |
| 11          | 12  | 13  | 14  | 15  | 16  | 17  |
| 18          | 19  | 20  | 21  | 22  | 23  | 24  |
| 25          | 26  | 27  | 28  | 29  | 30  |     |

|            |                          |
|------------|--------------------------|
| 14/11/2019 | MSBTE Theory Examination |
| 05/12/2019 |                          |

**Total instructional days: FY- 75 & SY/TY – 88**

| Holidays   |           |
|------------|-----------|
| 13/08/2019 | Bakari ID |

# Academic Calendar- 2019-2020(Even Semester)

| Even Semester (SECOND/FOURTH/SIXTH) Planner 2019-20 |  |     |     |     |     |     |
|---|--|-----|-----|-----|-----|-----|
| First Semester: 09 December 2019 to 27 March 2020   |  |     |     |     |     |     |
| December-19   |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
| 30  | 31   |     |     |     |     | 1   |
| 2   | 3  | 4   | 5   | 6   | 7   | 8   |
| 9   | 10   | 11  | 12  | 13  | 14  | 15  |
| 16  | 17   | 18  | 19  | 20  | 21  | 22  |
| 23  | 24   | 25  | 26  | 27  | 28  | 29  |
| 17  |  |     |     |     |     |     |
| 09/12/2019  | Start of Lecture & Practical (FY/SY/TY)        |     |     |     |     |     |
| 2 <sup>nd</sup> Week                                | Industrial Visit                               |     |     |     |     |     |
| 3 <sup>rd</sup> Week                                | Guest Lecture                                  |     |     |     |     |     |
| 31/12/2019  | Review of Academic Progress by HOD             |     |     |     |     |     |
| January-20  |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
|   |  | 1   | 2   | 3   | 4   | 5   |
| 6   | 7  | 8   | 9   | 10  | 11  | 12  |
| 13  | 14   | 15  | 16  | 17  | 18  | 19  |
| 20  | 21   | 22  | 23  | 24  | 25  | 26  |
| 27  | 28   | 29  | 30  | 31  |     |     |
| 27  |  |     |     |     |     |     |
| 01/01/2020  | 1st Defaulter Report (December)                |     |     |     |     |     |
| 2 <sup>nd</sup> Week                                | ALUMNI Meet                                    |     |     |     |     |     |
| 2 <sup>nd</sup> Week                                | DESA Activity                                  |     |     |     |     |     |
| 3 <sup>rd</sup> Week                                | Industry Expert Lecture                        |     |     |     |     |     |
| 4 <sup>th</sup> Week                                | DESA Activity                                  |     |     |     |     |     |
| 31/01/2020  | Review of Academic Progress by HOD             |     |     |     |     |     |
| February-20   |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
|   |  |     |     |     | 1   | 2   |
| 3   | 4  | 5   | 6   | 7   | 8   | 9   |
| 10  | 11   | 12  | 13  | 14  | 15  | 16  |
| 17  | 18   | 19  | 20  | 21  | 22  | 23  |
| 24  | 25   | 26  | 27  | 28  | 29  |     |
| 20  |  |     |     |     |     |     |
| 01/02/2020  | 2nd Defaulter Report (December to January)     |     |     |     |     |     |
| 05/02/2020  | Unit Test 1(First, Second & Third Year)        |     |     |     |     |     |
| 07/02/2020  | Declaration of result Unit test 1 (FY, SY& TY) |     |     |     |     |     |
| 10/02/2020  | Declaration of result Unit test 1 (FY, SY& TY) |     |     |     |     |     |
| 4 <sup>th</sup> Week<br>Feb 2020                    | PolyQuest 2K20                                 |     |     |     |     |     |
| 3 <sup>rd</sup> & 4 <sup>th</sup> Week              | Remedial Lectures for weaker students          |     |     |     |     |     |
| 29/02/2020  | Review of Academic Progress by HOD             |     |     |     |     |     |
| March-20  |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
| 30  | 31   |     |     |     |     | 1   |
| 2   | 3  | 4   | 5   | 6   | 7   | 8   |
| 9   | 10   | 11  | 12  | 13  | 14  | 15  |
| 16  | 17   | 18  | 19  | 20  | 21  | 22  |
| 23  | 24   | 25  | 26  | 27  | 28  | 29  |
| 19  |  |     |     |     |     |     |
| 01/03/2020  | 3rd Defaulter Report (December to February)    |     |     |     |     |     |
| 25/03/2020  | Unit Test 2(First, Second & Third Year)        |     |     |     |     |     |
| 27/03/2020  | Review of Academic Progress by HOD             |     |     |     |     |     |
| 28/03/2020  | Review of Academic Progress by HOD             |     |     |     |     |     |
| 30/03/2020  | Declaration of result Unit test 2 (FY, SY& TY) |     |     |     |     |     |
| 31/03/2020  | MSBTE Practical Examination                    |     |     |     |     |     |
| 09/04/2020  | MSBTE Practical Examination                    |     |     |     |     |     |
| 83  |  |     |     |     |     |     |
| 16/04/2020  | MSBTE Theory Examination                       |     |     |     |     |     |
| 07/05/2020  | MSBTE Theory Examination                       |     |     |     |     |     |
| April-20  |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
|   |  | 1   | 2   | 3   | 4   | 5   |
| 6   | 7  | 8   | 9   | 10  | 11  | 12  |
| 13  | 14   | 15  | 16  | 17  | 18  | 19  |
| 20  | 21   | 22  | 23  | 24  | 25  | 26  |
| 27  | 28   | 29  | 30  |     |     |     |
| May-20  |  |     |     |     |     |     |
| MON   | TUE  | WED | THU | FRI | SAT | SUN |
|   |  |     |     | 1   | 2   | 3   |
| 4   | 5  | 6   | 7   | 8   | 9   | 10  |
| 11  | 12   | 13  | 14  | 15  | 16  | 17  |
| 18  | 19   | 20  | 21  | 22  | 23  | 24  |
| 25  | 26   | 27  | 28  | 29  | 30  | 31  |
| Total instructional days: FY/SY/TY – 83             |  |     |     |     |     |     |
| Holidays  |  |     |     |     |     |     |
| 26/01/2020  | Republic Day                                   |     |     |     |     |     |
| 19/02/2020  | Shiv Jayanti                                   |     |     |     |     |     |
| 21/02/2020  | Mahashivratri                                  |     |     |     |     |     |
| 10/03/2020  | Holi   |     |     |     |     |     |
| 25/03/2020  | Gudi Padwa                                     |     |     |     |     |     |
| 02/04/2020  | Ram navami                                     |     |     |     |     |     |
| 06/04/2020  | Mahavir Jayanti                                |     |     |     |     |     |
| 14/04/2020  | Babasaheb Ambedkar Jayanti                     |     |     |     |     |     |
| 01/05/2020  | Maharashtra Day                                |     |     |     |     |     |
| 07/05/2020  | Buddha Purnima                                 |     |     |     |     |     |
| <b>Start of New Academic Year 17 June 2020</b>      |  |     |     |     |     |     |

## EDITORIAL BOARD

- Editor in Chief:- Mrs. P. S. Patil  
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# ElectroSpark