



# Electro Spark

**“No Resistance Can Drop Our Potential”**

**ISSUE 1**

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**AN ANNUALLY PUBLISHED  
NEWSLETTER**

**DEPARTMENT OF ELECTRICAL  
ENGINEERING**



## **Vision**

To develop competent electrical engineers to serve future needs and challenges of the society.

## **Mission**

To impart technical education in close interaction with industry and community for development of young minds, sensitive to ethical and environmental issues.

### **Chief Patrons**

Hon. Dr. Mrs. S. S. Kulkarni  
(Director, RIT, Rajaramnagar)

Hon. Dr. H. S. Jadhav  
(Dean Diploma, RIT, Rajaramnagar)

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Prof. K. M. Nathgosavi.  
Prof. Y. A. Dhumal.  
Mr. V. P. Mulik (Student)



**K. E. Society's**

**Rajarambapu Institute of Technology,**

**Rajaramnagar.**

**(An Autonomous Institute)**

**(Diploma 2<sup>nd</sup> Shift)**

**Islampur, Dist. Sangli,**

**Maharashtra, India - 415414.**

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**<http://www.ritindia.edu>**



## Department of Electrical Engineering

### From HODs Desk



Electrical engineering is a professional engineering discipline that generally deals with the study of Generation, Transmission, Distribution and Utilization of Electrical Energy. It also deals with the study of different static and rotating electrical machines. Electrical engineering is one of the largest and most diverse technological and engineering disciplines in today's world.

The Department of Electrical Engineering was established in the year 2015 with an intake capacity of 60 students. The department has highly qualified, well experienced and committed faculties. The strengths of the department are highly qualified staff, well equipped laboratories, excellent infrastructure, MOUs with industries, students mentoring, effective teaching learning process, use of active learning technology for better teaching, etc. The department strives to make learning more creative, interactive and information driven by using state of the art technology. Department have achieved “**Excellent**” remark by MSBTE EIMC committee. Department provides expert lectures, industrial visits, In-plant trainings, soft skill trainings, PSD trainings, curricular & extracurricular activities for overall development of students. The department prepares students to face challenges in industry as well as society and to excel in higher education and research.

**HOD Message:** “Committed to serve the function of a facilitator to offer gainful employment to the rural youth, by providing updated and subtle technical knowledge which will serve as a panacea for all technical problems.” The field of engineering is evolving rapidly and offers myriad of challenges across interdisciplinary domains. We review and refocus our efforts in order to continually bring the best possible, relevant and robust education to our students.

### Student Article

#### Electric Vehicle Charging Stations

In spite of the many environmental profits that a huge diffusion of electric vehicles (EVs) could bring to the inner-city mobility and to society as a whole, many are the challenges that this could carriage to the electricity distribution grid, mainly to its operation and progress. While ungraceful management of EVs can lead to load imbalances, current or voltage disparity excess and steep power requirements, appropriately designed and well-coordinated integration methods can in contrast afford flexibility, hence value, to the whole electrical system. Such step can be accomplished only if real data are obtainable and real drivers' behaviors are recognized..



Mr. Sahil Inamdar.  
SY Electrical  
2016-17

### Department Information

Year of Establishment	2015
Head of Department	Prof. S. M. More
Email	sushant.more@ritindia.edu
Total number of Classrooms	02
Total number of Laboratories	09
Total Faculty	04
Supporting Technical staff	03
Supporting Non Technical staff	01

## Program Educational Objectives (PEOs)

**PEO 1.** Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems by adapting professional ethics.

**PEO 2.** Exhibit the ability to utilize state-of-the-art Electrical engineering technologies to work in multidisciplinary work environments.

**PEO 3.** Develop and execute solutions for problem while working individually as well as a team member by communicating effectively

## Program Outcomes (POs)

**PO 1. Basic Knowledge:** Apply knowledge of basic mathematics, science and basic engineering to solve comprehensive problem.

**PO 2. Disciplinary Knowledge:** Apply electrical engineering knowledge to solve the problem related to electrical field.

**PO 3. Experiment and Practice:** Plan to perform experiments and practices to solve comprehensive electrical engineering problem.

**PO 4. Engineering tools:** Demonstrate the skill to utilize modern engineering tools to design electrical system with limitation.

**PO 5. The engineer and society:** Demonstrate the knowledge of professional responsibilities confine to the boundaries of society.

**PO 6. Environment and sustainability:** Apply electrical engineering solutions in societal and environmental context to achieve sustainable development.

**PO 7. Ethics:** Illustrate the professional and ethical responsibilities while solving engineering problem.

**PO 8. Individual and team work:** Demonstrate leadership and team member qualities for solving multidisciplinary task.

**PO 9. Communication:** Demonstrate effective communication in verbal and written form.

**PO 10. Lifelong learning:** Adapt lifelong learning process with updating electrical and allied engineering technology

## Training/ Workshop/ Seminar / Conference attended by Faculty

Sr. No	Name of Faculty	Module Description	Contributing Host
1	Mr. K. M. Nathgosavi	Power Plant Familiarization	Reliance Infra Ltd. 2*250 MW Dahanu Thermal Power Station, Dahanu.
		Industrial Training Program	L&T (STC), Pune
2	Mr. S. M. More	LT Switchgear	L&T (STC), Pune
		Basic Electrical Engg and Network Analysis	A.D.C.E.T., Ashta
3	Mrs. S. S. Patil	Satellite Communication	Institute of Satellite Communication, Pune
4	Mr. Y. A. Dhumal	Power Plant Familiarization	Reliance Infra Ltd. Thermal Power Station, Dahanu
		Energy Option for Sustainable Future	Directorate of Technical Education, Goa
		Advance Pedagogy Training Program	R.I.T., Rajaramnagar



## Student Centered Activity

### Expert talk

Sr. No	Subject Name	Resource Person
1.	Electrical Power Generation	Mr. A. R. Thorat Electrical Engineering Dept. RIT
2.	Basic Electronics Electrical	Mr. S. M. Magadum E&Tc Engineering Dept. RIT
3.	Electric Circuit Network	Ms. S. C. Deshmukh Lecturer, Electrical Dept. NMPI, Peth
4.	Electrical & Electronics Measurement	Mr. Kushal Shende Assistant Professor SBGI. Miraj
5.	Effect of TDE Losses on Cost of Energy Generation.	Mr. Dhananjay Chavan, Electrical Officer, Jaysingpur Corporation.
6.	D.C. Machine and Transformer.	Ms. A. S. Kulkarni Assistant Professor, Electrical Engineering Dept. GP. Karad.



### Industrial Visit

Sr. No	Name of Industry	Address
1	Sudhir Industries	Islampur Tal. Walwa, Dist. Sangli.
2	33/11 KV Substation	Ganeshnagar, Islampur Tal. Walwa, Dist. Sangli.
3	Tatyasaheb Kore Hydro Power Plant	Bhendavde, Tal - Shahuwadi, Dist - Kolhapur.
4	INOX WIND	Bhendavde Tal - Shahuwadi, Dist - Kolhapur.
5	Rajarambapu Sugar Factory Co-gen Plant	Sakhrale, Tal. Walwa, Dist. Sangli.
6	JSW Energy Ltd.	Village Nandiwade, Post Jaigad, Maharashtra 415614.
7	220/132/33 KV M.S.E.T.C.L	M.S.E.T.C.L. Substation Peth, Tal. Walwa. Dist. Sangli.



### List of Toppers

#### FIRST YEAR

Rank	Name of student	Percentage
1	PATIL MONALI JAYAPRAKASH	87.09%
2	WAGHMODE PRADNYA SUNIL	84.67%
3	REJESHIRKE RAJESHWARI P.	67.41%

#### SECOND YEAR

Rank	Name of student	Percentage
1	LONDHE SOURABH VIJAYKUMAR	86.00%
2	SURYAWANSHI MAYUR ANIL	82.41%
3	GONJARE PRAJKTA PRATAP	82.23%