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Friends,

Department is involved in teaching and research in current areas of development. The department has been giving importance to the development of Electrical labs by procuring the state of art hardware and machinery.

The faculty members published technical papers in national and international conferences and journals. The department is fortunate to have dedicated teachers, devoted students, and committed supporting staff and expert technical staff.

Specially I congratulate those who got placed in various companies and I encourage all the students to prepare for competitive exams.

Prof. H. T. Jadhav
Head of Electrical Department
htj@ritindia.edu
Vision and Mission of Department

Vision of the Institute
Transformation of young minds into competent engineers to face global challenges.

Mission of the Institute
To offer the state of art technical education programmes to shape promising engineers with requisite skills, knowledge, research aptitude, values and ethics ensuring rewarding careers.

Vision of the Department
Develop globally competent electrical engineers to serve future needs and challenges of the society.

Mission of the Department
To impart technical education and research skills in close interaction with industry and society for the development of young minds, sensitive to ethical and environmental issues.
Program Educational Objectives

The Electrical Engineering Program is designed to produce graduates who will be able to

1. Apply knowledge and skills to pursue successful career in power sector, manufacturing and process industries.

2. Utilize expertise to become an academician, practicing engineer and entrepreneur to serve the society, ethically and responsibly with concern to environment.

3. Engage in lifelong learning to seek excellence in professional life.
**Journal and Conference Publications**

**International Journal**


P. Sharath Kumar, Multiple-Load Induction Cooking Application with Three-Leg Inverter Configuration, Journal of Power Electronics (JPE), Vol. 15, No. 5, September 2015

**National Journal**


At first, I am thankful to all for giving me such golden opportunity being elected as EESA president.

To lead our department on the bright way of success, through out the year. We are going to arrange different types of technical as well as extra curricular activity. Mainly, we have to focus on placement and competitive exam activities at the department level itself.

EESA take efforts for improvement of overall department of the each student, for brighten their goals.

Akshay Dhane ,
President EESA

EESA Committee

Mr. Shreyas Patil
EESA Vice President

Mr. Akshay Dhane
EESA President

Prof. C. L. Bhattar
EESA Coordinator
Tech Article - Smart Grid

A smart grid is an electrical grid which includes a variety of operational and energy measures including smart meters, smart appliances, renewable energy resources, and energy efficiency resources. Electronic power conditioning and control of the production and distribution of electricity are important aspects of the smart grid.

Features of the smart grid

The smart grid represents the full suite of current and proposed responses to the challenges of electricity supply. Because of the diverse range of factors there are numerous competing taxonomies and no agreement on a universal definition

- Reliability
- Flexibility in network topology
• Efficiency
• Load adjustment/Load balancing
• Peak curtailment/leveling and time of use pricing
• Sustainability
• Market-enabling
• Demand response support
• Platform for advanced services

Power Theft / Power Loss

Various "smart grid" systems have dual functions. This includes Advanced Metering Infrastructure systems which, when used with various software can be used to detect power theft and by process of elimination, detect where equipment failures have taken place. These are in addition to their primary functions of eliminating the need for human meter reading and measuring the time-of-use of electricity.
On October 2, 2014, Prime Minister Narendra Modi launched the Swachh Bharat Abhiyan, a mission to clean India's cities and villages. The campaign, inaugurated to coincide with Gandhi Jayanti, aims to realize its vision of 'Clean India' by October 2, 2019, the 150th birth anniversary of Mahatma Gandhi.

In the months after it was launched, the campaign gained momentum with many celebrities, politicians and academic institutions organizing cleanliness drives across the country.

As a reminder of how seriously his government takes this mission, the prime minister brought up the issue during his Independence Day speech as well, talking about inadequate number of toilets. A total of 31.83 lakh toilets were built between April 2014 and January 2015 under this campaign, which is 25.4% of the target for 2014-15. Over the next 5 years, the government plans to invest nearly Rs 2 lakh crore to construct 12 crore toilets across India.
Mission Objectives
The national campaign, which will run till October 2, 2019, aims to:

1. Eliminate open defecation by constructing toilets for households, communities
2. Eradicate manual scavenging
3. Introduce modern and scientific municipal solid waste management practices
4. Enable private sector participation in the sanitation sector
5. Change people’s attitudes to sanitation and create awareness.
Guest Lectures

Chaitanaya Deshpande, Executive Application Engineer,
Alumni Interaction

Miss. Pallavi J Desai, MSETCL, Kolhapur -
Industrial Visit

S.Y.B.Tech (Tube Investments of India Limited)
## Placement and Recruiters

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of student</th>
<th>Recruiter</th>
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<tbody>
<tr>
<td>1.</td>
<td>Akshay Ravindra Godase</td>
<td>Bharat Forge</td>
</tr>
<tr>
<td>2.</td>
<td>Manali Shete</td>
<td>TCS</td>
</tr>
<tr>
<td>3.</td>
<td>Onkar Ramesh Kulkarni</td>
<td>TCS</td>
</tr>
<tr>
<td>4.</td>
<td>Omkar Suresh Sagare</td>
<td>TCS</td>
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Convocation-2015 Batch
VIDYUT is the literal meaning of electricity but it encompasses all the energy that exists in this world. Electricity is a general term encompassing a variety of phenomena resulting from the presence and flow of electric charge. Electricity is an extremely flexible form of energy, and has been adapted to a huge, and growing, number of uses. In general usage, the word "electricity" adequately refers to a number of physical effects. In scientific usage, however, the term is vague.

The rapid expansion in electrical technology at this time transformed industry and society. Electricity's extraordinary versatility as a source of energy means it can be put to an almost limitless set of applications which include transport, heating, lighting, communications, and computation. Electrical power is the backbone of modern industrial society, and is expected to remain so for the foreseeable future.

In a loose but common use of the term, "electricity" may be used to mean "wired for electricity" which means a working connection to an electric power station. In same way Vidyut is an attempt to connect the outer world with the Electrical Department of “RAJARAMBAPU INSTITUTE OF TECHNOLOGY.”

This issue of the newsletter have covered all the events which organized in the Electrical Engineering Department. Any suggestions for the improvement are welcomed by a warm heart.