VIDYUT

http://www.ritindia.edu/electrical-department-newsletter
Contents 00

04 EDITORIAL

06 CONFERENCE and JOURNAL PAPERS by FACULTY AND STUDENTS

08 PLACEMENTS 2013-14

09 GUEST LECTURES AT EE

10 ENTHUSE 2K13

12 OUR ESTEEMED RECRUITERS
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.
**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 Engineering Department of RAJARAMBAPU INSTITUTE OF TECHNOLOGY.

This is the fifth issue of the newsletter. Different members of the Electrical Department have contributed at their best to make this attempt a successful one. In this issue we have covered all the events which have happened in the Electrical Department such as workshops, seminars etc. Any suggestions for the improvement are welcomed by a warm heart.

SHUBHAM SURYAKANT JADHAV
STUDENT EDITOR

VRSV BHARATH PULAVARTHI
CHIEF EDITOR
Recent trends in Industrial Automation & Control PLC SCADA training
Under TEQIP Finishing School
Dated 16/12/2013 - 22/12/2013
Organized by
Prof. Srikanth Islavatu and Prof. VRSV Bharath
<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of Student</th>
<th>Name of Topic</th>
<th>Type of Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>V.V. Waiphale</td>
<td>“Performance Analysis Of Smart Grid With Super Conducting Fault Current Limiter (SFCL),”</td>
<td>International Conference</td>
</tr>
<tr>
<td>3</td>
<td>V.V. Vashikar</td>
<td>“Voltage Sag and Swell Mitigation Using Dynamic Voltage Restorer for Power Quality Improvement at Distribution Level”</td>
<td>International Conference</td>
</tr>
<tr>
<td>4</td>
<td>Sagar Shyam Banberu,</td>
<td>“Node Voltage regulation in Loop Distribution system Using UPFC,”</td>
<td>International Conference</td>
</tr>
<tr>
<td>6</td>
<td>S.S. Deshmukh,</td>
<td>“Effective Loss Reduction Analysis in New Switched–Capacitor Boost-Multilevel Inverter Using Series And Parallel Conversion”</td>
<td>International Conference</td>
</tr>
<tr>
<td>7</td>
<td>Shrikant Shivaji Jadhav</td>
<td>“Design &amp; Development of Solar Water Pump Suitable for Rural Development,”</td>
<td>International Conference</td>
</tr>
<tr>
<td>8</td>
<td>A.R. Shete</td>
<td>“The Case Study of Automatic Power Factor Controller on distorted system with overview of Harmonics Reduction Technique,”</td>
<td>International Conference</td>
</tr>
<tr>
<td>9</td>
<td>Rajan S. Patil</td>
<td>“Power Quality Improvement in the Distributed Generation System using 3-phase 4-leg Inverter”</td>
<td>International Conference</td>
</tr>
<tr>
<td>10</td>
<td>A.R. Shete</td>
<td>“An Optimal Technique for Manufacturing of High Voltage Capacitor by Using Metalized Polypropylene Film”,</td>
<td>International Conference</td>
</tr>
<tr>
<td>No.</td>
<td>Author</td>
<td>Title</td>
<td>Conference</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>11</td>
<td>Suraj S. Kadam</td>
<td>“Performance of Transformerless Inverter in PV-Grid Connected Power System with Different Control Techniques”,</td>
<td>International Conference</td>
</tr>
<tr>
<td>12</td>
<td>Sunil S. Gurav</td>
<td>“Application of DSTATCOM for Load Compensation with Non-stiff Sources”-</td>
<td>International Conference</td>
</tr>
<tr>
<td>13</td>
<td>S.S.Amale</td>
<td>“Harmonic Mitigation by Implementing Shunt Active Filter Using Novel Control Strategy Based On Generalized Instantaneous Power Theory”</td>
<td>International Conference</td>
</tr>
<tr>
<td>14</td>
<td>D.A. Suryavanshi</td>
<td>Protection of HVDC Transmission Line based on Distributed Parameters using Transient Energy”</td>
<td>International Conference</td>
</tr>
<tr>
<td>15</td>
<td>P.G.Bendre</td>
<td>“Modeling of Electric Spring for Reduction of Voltage fluctuations”</td>
<td>International Conference</td>
</tr>
<tr>
<td>16</td>
<td>Bhushan.S. Kunure</td>
<td>“Analysis of Non isolated ZVZCS DC-DC converter for power and High step-up Application Using Resonant PWM Technique”</td>
<td>International Conferences</td>
</tr>
<tr>
<td>19</td>
<td>V.V. Waiphale</td>
<td>“Recloser Fuse Operation and Coordination in Distribution System Using SFCL,”</td>
<td>International Conference</td>
</tr>
<tr>
<td>20</td>
<td>V.V. Vashikar</td>
<td>“Dynamic Voltage Restorer (DVR) For Mitigation of Voltage Sag/Swell: An Overview,”</td>
<td>International Conference</td>
</tr>
</tbody>
</table>
## "PLACEMENTS 2013-14"

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Name of the Company</th>
<th>MEC</th>
<th>AUTO</th>
<th>CSE</th>
<th>I T</th>
<th>ET C</th>
<th>ELEC</th>
<th>CIV IL</th>
<th>MBA</th>
<th>TOTAL</th>
<th>PACKAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Indian Navy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.00</td>
</tr>
<tr>
<td>2</td>
<td>TCS, Pune</td>
<td>03</td>
<td>01</td>
<td>0</td>
<td>02</td>
<td>03</td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>3.16</td>
</tr>
<tr>
<td>3</td>
<td>Persistent Systems, Pune</td>
<td></td>
<td></td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>02</td>
<td>3.55</td>
</tr>
<tr>
<td>4</td>
<td>Cummins India Ltd., Pune</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.15</td>
</tr>
<tr>
<td>5</td>
<td>Bharat Forge Ltd., Pune</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20</td>
<td>2.40</td>
</tr>
<tr>
<td>6</td>
<td>Zensar Technologies Limited, Pune</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.00</td>
</tr>
<tr>
<td>7</td>
<td>Indian Army</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.00</td>
</tr>
<tr>
<td>8</td>
<td>HDFC ERGO General Insurance Company Ltd., Mumbai</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>02</td>
<td>5.20</td>
</tr>
<tr>
<td>9</td>
<td>Kirloskar Pneumatic Company Ltd., Pune</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.73</td>
</tr>
<tr>
<td>10</td>
<td>IBM, Bangalore</td>
<td></td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01</td>
<td>3.00</td>
</tr>
<tr>
<td>11</td>
<td>Webonise Software Solutions Pvt. Ltd., Pune</td>
<td></td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01</td>
<td>3.20</td>
</tr>
<tr>
<td>12</td>
<td>L &amp; T Infotech, Mumbai</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.20</td>
</tr>
<tr>
<td>13</td>
<td>Triveni Turbine Ltd., Bangalore</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.86</td>
</tr>
<tr>
<td>14</td>
<td>OM Constructions Pvt. Ltd., Mumbai</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>08</td>
<td></td>
<td></td>
<td>08</td>
<td>1.80</td>
</tr>
<tr>
<td>15</td>
<td>Mithi Software Pvt Ltd., Pune</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.40</td>
</tr>
<tr>
<td>16</td>
<td>ThoughtWorks Technologies (India) Pvt Ltd., Pune</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6.23</td>
</tr>
<tr>
<td>17</td>
<td>Paramatrix Technologies Pvt. Ltd., Mumbai</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1.20</td>
</tr>
<tr>
<td>18</td>
<td>Precision Automation &amp; Robotics India Limited, Pune</td>
<td>02</td>
<td>01</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>05</td>
<td>2.40</td>
</tr>
</tbody>
</table>

VIDYUT 2013-2014
<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Date</th>
<th>Name of the Guest Lecturer</th>
<th>Subject / Topic</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>07/09/2013</td>
<td>Dr. M. M. Wavare Professor WCE Sangli</td>
<td>How to Prepare M.Tech Dissertation Synopsis</td>
<td>M.Tech I &amp; II year</td>
</tr>
<tr>
<td>2</td>
<td>16/09/2013</td>
<td>Jyant Deo Shriram Center Manager Just Engg.pvt Ltd pune</td>
<td>Industrial Automation</td>
<td>BE &amp; TY Electrical student</td>
</tr>
<tr>
<td>3</td>
<td>14/11/2013</td>
<td>Dr. Priya Jadhav Reserch Professor IIT Bombay</td>
<td>Guest Lecture on Electrification for rural development sector</td>
<td>M.Tech I &amp; II year</td>
</tr>
<tr>
<td>4</td>
<td>03/01/2014</td>
<td>Dr. S.G. Joshi</td>
<td>How to write effective seminar &amp; Desertation Report</td>
<td>M.Tech I &amp; II year</td>
</tr>
<tr>
<td>5</td>
<td>21/02/2014</td>
<td>Dr. A.P.Vaidya WCE Sangli</td>
<td>Digital Switchgear Protection System</td>
<td>M.Tech I year</td>
</tr>
<tr>
<td>6</td>
<td>24/02/2014</td>
<td>Shri. S.M. Nerli Social Worker</td>
<td>Value Education Environmental Science &amp; Personality Development</td>
<td>SY B.Tech Electrical</td>
</tr>
</tbody>
</table>
RAJARAMBAPU INSTITUTE OF TECHNOLOGY
(An Autonomous institute)
Department of Electrical Engineering
A STATE LEVEL SYMPOSIUM
UNDER LEAD COLLEGE SCHEME

ENTHUSE-2K13
20th-21st SEP

Brain Drill
20th sep
Entry fee: 100 Rs
Prize worth: 2500 Rs
-Quiz
Entry fee: 100 Rs
Prize worth: 3500 Rs

Paperica
21st sep
- Paper presentation
Maximum 2 Participants
Entry fee: 200 Rs
Prize worth: 4000 Rs

LAN-war
21st sep
Entry fee: 200 Rs
Prize worth: 4000 Rs

NEED FOR SPEED
21st sep
Entry fee: 50 Rs
Prize worth: 1000 Rs

Dr. M. S. Kulkarni
Director
Prof. D. G. Thombre
Dean of st. Development
Mr. H. T. JadHAV
H.O.D
Prof. K. Srinivas
Co-ordinator
7798496853
Mr. Rohit Sotare
President
9833212306
Mr. Ajay Kashid
Vice-President
9405867195

contact us
Sudhir: 9405016564
Suyash: 9409763179

K. E. Society
RAJARAMBAPU INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTE
Department of Electrical Engineering
INNER LEAD COLLEGE SCHEME

ENTHUSE-2K13
20th-21st SEP

Battle Bots
10th sep
- Robo Racing
Maximum 2 Participants
Entry fee: 200 Rs
Prize worth: 4000 Rs
Pankaj: 9689230503

Flash Hunt
10th sep
- Photography
Entry fee: 100 Rs
Prize worth: 2500 Rs
Sagar: 9404969088

Brain Drill
20th sep
Max. 2 Participants
Entry fee: 200 Rs
Prize worth: 4000 Rs

Promo Trail
21st sep
- Movie making
Maximum 2 Participants
Entry fee: 200 Rs
Prize worth: 4000 Rs

eRondeles
21st sep
- Express Yourself
Entry fee: 100 Rs
Prize worth: 2000 Rs

Proje Festo
10th sep
- Mini Project
Entry fee: 200 Rs
Prize worth: 4000 Rs
Amol: 9822449034

Dr. M. S. Kulkarni
Director
Prof. D. G. Thombre
Dean of st. Development
Mr. H. T. JadHAV
H.O.D
Prof. K. Srinivas
Co-ordinator
7798496853
Mr. Rohit Sotare
President
9833212306
Mr. Rohit Sotare
Vice-President
9405867195

Vidyut 2013-2014
OUR ESTEEMED RECRUITERS

- Kalyani
- Bharat Forge
- Reliance Energy
  Anil Dhirubhai Ambani Group
- Tata Power
- Godrej Industries
- Mahavitaran
  Maharashtra State Electricity Distribution Co. Ltd.
- Mutha Group
  Moulding excellence into Quality Castings
- Lucas-TVS
- Torrent Power
- Scope
  T&M Pvt Ltd
- PSL
  PSL Limited
- ANI Solarpower