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Dr. Prachi Gharpure, Principal
Dr. Y.S. Rao, Vice-Principal

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Organizing Committee:

1. Prof. Payal Shah
2. Prof. G. T. Haldankar
3. Prof. Manisha Bansode

Resource persons:

1. Prof. Shikha Srivastava, SAKEC, Chembur
2. Prof. Vidya Joshi, SPCE, Andheri
2. Prof. B. B. Pimple, SPCE, Andheri
3. Dr. Surendra Rathod, SPIT., Andheri
4. Dr. Rajendra Sutar, SPIT., Andheri
4. Prof. Payal Shah, SPIT., Andheri
5. Prof. G. T. Haldankar, SPIT., Andheri

Course Fees: Rs. 3,000 /-

Registration: Cheque or DD drawn in the name of "SPIT, Allied division" payable at Mumbai should reach on or before 15th May, 2015 along with the application form.

Contact person: 1. Prof. G. T. Haldankar
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Contents:

BEE syllabus:

1. DC circuit
2. AC circuit
3. Transformer
4. Three Phase Circuit
5. Semiconductor Devices

Electrical Machines:

1. DC Motor
2. Three Phase Induction Motor
3. Single Phase Induction Motor
4. Stepper Motor

List of experiments:

1. Transformer OC and SC test
2. Load test on transformer
3. Two wattmeter method
4. Speed torque characteristics of DC motor
5. Load test on DC motor (Motor- Generator set)
6. Speed torque characteristics of three phase induction motor (Motor- Generator set)
7. Energy Meter
8. Half Wave and Full Wave Rectifier circuit
9. Common Emitter Characteristics
10. Maximum Power Transfer Theorem
11. Motor control using microcontroller and Raspberry Pi
12. Demonstration of "Space Vector Modulation"



Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology

Announces

ISTE approved

One week FDP on

**Basic Electrical, Electronics
&
Electrical Machines
13th July to 17th July, 2015**

Organized by
**Department of Electronics Engineering,
Sardar Patel Institute of Technology,
Munshi Nagar, Andheri (W),
Mumbai 400 058**

Tel: 91-22-2670 8520, 26707440,
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Dr. Y. S. Rao
Vice Principal

Dr. Prachi Gharpure
Principal

ISTE approved one week FDP on
**Basic Electrical, Electronics
&
Electrical Machines**
13th July to 17th July, 2015

Name: _____

Designation: _____

Qualification: _____

Experience _____

Institution: _____

Address: _____

Email: _____

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(M) _____(R) _____

Payment by Cash / Cheque / DD:

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Bank: _____ Amount Rs: _____

Signature of the participant

About us

About us Sardar Patel Institute of Technology is under the umbrella of Bharatiya Vidya Bhavan & is academically affiliated to the University of Mumbai. Institute runs four UG, three PG and two Ph.D. programmes. Department of Electronics Engineering has earned a great reputation in the field of engineering education, as well as industry. The department has well equipped laboratories to cater the curriculum. The department regularly organizes value added courses and STTPs. Department is provisionally accredited by National Board of Accreditation.

About the FDP

The fundamental concepts of Electrical, Electronics and Electrical Machines are the prerequisite for numbers of courses in higher semesters across different programmes. Hence it is necessary for teachers to keep themselves updated with the knowledge in these domains. To boost the confidence while working in these laboratories and handling the equipments it is necessary to have hands-on training on single phase as well as three phase systems. In view of these aspects, faculty members of electronics department is organizing hands on session based FDP for these teachers. Sardar Patel Institute of Technology has spacious laboratory for Basic Electrical, Electronics and Electrical Machines having set up like DC Machines, AC Machines etc. Lab Manual and course handouts will be provided at the time of workshop.

Teachers from AICTE recognized institutes teaching subjects like Basic Electrical and Electronics, Electrical Machines, Power electronics, Power Electronics and Drives can attend this course.

Schedule:

Day 1:

10:00 – 12:00 DC Circuit
12:00- 1:00 : Semiconductor Devices
1:00- 2:00 Lunch
2:00 – 3:45: Practical Session on DC circuit
3:45- 4:00: Tea Break
4:00-5:00: Practical session on rectifier circuit

Day 2:

10:00 – 12:00 AC Circuit
12:00- 1:00 : Resonance circuit
1:00- 2:00 Lunch
2:00 – 3:45: Practical Session on AC circuit
3:45- 4:00: Tea Break
4:00-5:00: Practical session on AC circuit

Day 3:

10:00 – 12:00 Transformer
12:00- 1:00 : Transformer
1:00- 2:00 Lunch
2:00 – 3:45: Practical Session on AC circuit
3:45- 4:00: Tea Break
4:00-5:00: Practical session on Transformer

Day 4:

10:00 – 12:00 DC Motor
12:00- 1:00 : AC Motor
1:00- 2:00 Lunch
2:00 – 3:45: Practical Session on DC Motor
3:45- 4:00: Tea Break
4:00-5:00: Practical session on AC Motor

Day 5:

10:00 – 12:00 Stepper Motor
12:00- 1:00 : Electric Drives
1:00- 2:00 Lunch
2:00 – 3:4: Practical Session on Stepper Motor
3:45- 4:00: Tea Break
4:00-5:00: Demonstration on Space Vector Modulation and Raspberry PI

Venue: BEE Lab, 311, 3rd Floor, S.P.I.T. Bhavan's campus, Munshi Nagar, Andheri (W), Mumbai: 400 058