

Three weeks credit course on

## Research Methodology for Faculty of Technology

2-20 December 2013

To,

Sardar Patel Institute of Technology,  
Bhavan's Campus, Munshi Nagar,  
Andheri (W),  
Mumbai 400 058.

From,

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### Convener:

Dr. Y S Rao,

Phone: 26707440/26708520 Extn.: 380

Mob: 09820962870

ysrao@spit.ac.in

### Venue:

R&D Lab, 310, 3<sup>rd</sup> Floor, S.P.I.T.

### Course Fees:

Participants from Academic Institutes: Rs. 10000/-  
Participants from Industry: Rs. 15000 /-

### Registration:

Cheque or DD drawn in the name of "S.P.I.T.  
Allied Division" payable at Mumbai should reach  
on or before 30<sup>th</sup> November 2013 along with  
application form.

Bharatiya Vidya Bhavan's



**Sardar Patel Institute of Technology**

**PRESENTS**

Three weeks credit course

on

## Research Methodology for Faculty of Technology

2-20 December 2013

Organized by

**Sardar Patel Institute of Technology,  
Munshi Nagar, Andheri (W),  
Mumbai 400 058**

Tel: 91-22-2670 8520, 26707440, 2628 7250

Fax No.: 91-22-26701422

[www.spit.ac.in](http://www.spit.ac.in)

**Principal**

Dr. Prachi Gharpure

## About the organizing Institute

In 1957, the Bharatiya Vidya Bhavan conceived the idea of establishing an engineering college in Mumbai. It was on the 19<sup>th</sup> August 1962 that there was a huge gathering at the Bhavan's Campus in Andheri to inaugurate Sardar Patel College of Engineering (SPCE). In 1995 Self Financed Engineering Course were added to it and it functioned as SPCE (Unaided-wing) conducting Electronics Engineering, Computer Engineering and Information Technology courses and Masters course in Electronics since 2005 till 2008. These courses have earned a great reputation in the field of engineering education, as well as industry. Bharatiya Vidya Bhavan's Sardar Patel College of Engineering, Unaided Wing from year 2005-2006 was established in its new building under the name and style of Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology and is affiliated to Mumbai University. Subsequently Electronics and Telecom. course was started at graduate and post graduate level in the years 2006 and 2010 respectively. In addition to these programs Electronics and Telecommunication and Computer Engineering Departments have started Ph.D. program from 2012.

## About the Course

This three weeks credit course is planned to provide knowledge and skills in advance research methodology to Ph.D. students as well as for the faculty who are interested in keeping up with new trends in research methodology in their respective discipline. S.P.I.T. being research centre affiliated to Mumbai University, the credits awarded for this course will be considered as coursework credits for the Ph.D. program. The course will be a 56 hour program with 6 credits.

## Objectives of the Course

1. To gain insights into how scientific research is conducted

2. To help in critical review of literature and assessing the research trends, quality and extension potential of research and equip students to undertake research.
3. To learn and understand the basic statistics involved in data presentation.
4. To identify the influencing factor or determinants of research parameters.
5. To test the significance, validity and reliability of the research results.
6. To help in documentation of research results.

## Expected Outcome

1. Ability to critically evaluate current research and propose possible alternate directions for further work.
2. Ability to develop hypothesis and methodology for research.
3. Ability to comprehend and deal with complex research issues in order to communicate their scientific results clearly for peer review.

## Speakers from:

IIT-Bombay, SNDT, NMIMS and S.P.I.T.

## Course Content & Schedule (10.00 to 1):

Date	Topic
2,3 December, 2013	Definition of Research,
4,5 December, 2013	Research characteristics
6,9,10 December, 2013	Types of Research
11,12 December, 2013	Research Procedure
13,16,17December, 2013	Considerations in selecting research problem
18,19 December, 2013	Outcome of research
20 December, 2013	Assignments/Presentations

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# Research Methodology for Faculty of Technology

2-20 December 2013

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Qualification: \_\_\_\_\_

Experience: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Tel: (O) \_\_\_\_\_ (Extn.) \_\_\_\_\_

(M) \_\_\_\_\_ (R) \_\_\_\_\_

Payment by Cheque / DD in favor of:

“S.P.I.T. Allied Division”

Chq. /DD No: \_\_\_\_\_ Dated: \_\_\_\_\_

Bank: \_\_\_\_\_

Amount Rs.: \_\_\_\_\_

Signature of the participant