Two weeks credit course on

Research Methodology for Faculty of Technology

8-16 July 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: 098209628790

ysrao@spit.ac.in

Coordinator:

Dr. D R Kalbande,

Phone: 26707440/26708520 Extn.: 366
Mob: 09820383928

drkalbande@spit.ac.in

Venue:

R&D Lab, 310, 3rd Floor, S.P.I.T.

Course Fees:

Students: Rs. 6000/-
Participants from Academic Institutes: Rs. 8000/-
Participants from Industry: Rs. 12000 /-

Registration:

Cheque or DD drawn in the name of **"S.P.I.T. Allied Division"** payable at Mumbai should reach on or before 6th July 2013 along with application form.

Sardar Patel Institute of Technology

PRESENTS
Two weeks credit course

on

Research Methodology for Faculty of Technology

8-16 July 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

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 19th 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 two 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 40 hour program with 4 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 (9.30 to 5.30):

Date	Topic
8 July, 2013	Research, Research Process
9 July, 2013	Literature Review, Research Methods
10 July, 2013	Sampling
11 July, 2013	Data Analysis, Bibliography
12 July, 2013	Preparation of Research Proposal
15 July, 2013	Patenting
16 July, 2013	Assignments/Presentations

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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