

## Patrons:

Prof. S. G. Chitale, Director  
Dr. Prachi Gharpure, Principal  
Dr. Y.S. Rao, Vice-Principal

## Coordinator:

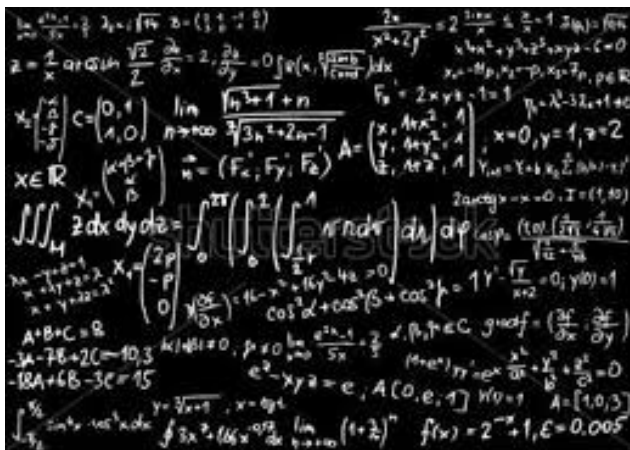
**Dr. Rita Das**, H.O.D. A.S.H.

## Organizing Committee:

1. Prof. Nida Bakereyala
2. Prof. Meghana Naik

## Resource persons:

1. Prof. Laxman Naik
2. Prof. Tushar Parulekar
3. Prof. Satish G. Barot
4. Prof. C.R. Gajbhiye
5. Prof. Nida Bakereyala
6. Prof. Meghana Naik



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### *About the Bridge Course*

**Objective:** This course is designed for diploma students seeking admission to degree engineering to help them develop and enhance basic mathematical skills.

It aims to create interest in Mathematics and make the subject more meaningful.

**Outcome:** Students will be able to apply these mathematical skills to advanced Engineering Mathematic courses.

The content of the course is as follows:

1. Basics of Mathematics
2. Differential Equations
3. Complex Numbers
4. Determinants & Matrices
5. Partial Differentiations
6. Single and Multivariable Integration
7. Probability and Statistics
8. Linear Programming Problem formulation

### Course Fees:

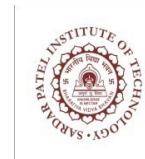
Rs. 3000 /-

### Registration:

Cheque or DD drawn in the name of "S.P.I.T. Allied Division" payable at Mumbai should reach on or before **30 June, 2015** along with the application form.

### Contact:

Prof. Meghana Naik : 9870341926  
Prof. Nida Bakereyala: 9819907330



**Bharatiya Vidya Bhavan's  
Sardar Patel Institute of Technology**

## Announces

**a one-week bridge course on  
Basic Mathematical Skills for  
Diploma Holders**

**From 6 July to 10 July, 2015**

Organized by  
**Department of Applied Sciences &  
Humanities**

**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)

Dr. Y. S. Rao

Dr. Prachi Gharpure

Vice Principal

Principal

# One week bridge course on Basic Mathematical Skills for Diploma Holders

6 July to 10 July, 2015

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

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

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

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

Tel:(M) \_\_\_\_\_ (R) \_\_\_\_\_

Payment by Cash / Cheque / DD:

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

Bank: \_\_\_\_\_ Amount Rs: \_\_\_\_\_

Signature of the participant

## About us

In 1957, the Bharatiya Vidya Bhavan conceived the idea of establishing an engineering college in Mumbai. Sardar Patel College of Engineering was inaugurated on 19<sup>th</sup> August 1962. In 1995 Self Financed Engineering Courses 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. 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 was established in its new building under the name and style of Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology in 2005 and is affiliated to Mumbai University. In addition to these programs Electronics and Telecommunication and Computer Engineering Departments have started Ph.D. program from 2012.

## About the Department

Our department has a team of qualified, motivated and experienced faculty. This is evident from our university results which have been the highest among all engineering colleges. The department helps to lend students a strong base in engineering disciplines to prepare them for their core courses.

## Schedule:

### Day 1: 6 July 2015

9:30 am – 10:30 am Inauguration

11 am- 1 pm Basics of Mathematics

1 pm- 2 pm Lunch

2 pm – 4 pm Determinants and Matrices

4 pm-5 pm Tutorial

### Day 2: 7 July 2015

10 am – 11 am Basics of Mathematics

11 am- 1 pm Trigonometry & Complex Nos.

1 pm- 2 pm Lunch

2 pm – 4 pm LPP formulation

4 pm-5 pm Partial Differentiation

### Day 3: 8 July 2015

10 am– 11 am D.U.I.S.

11 am- 1 pm Probability

1 pm- 2 pm Lunch

2 pm – 4 pm Beta and Gamma function

4 pm-5 pm Tutorial

### Day 4: 9 July 2015

10 am – 1 pm Differential Equations

1 pm- 2 pm Lunch

2 pm – 4 pm Tutorial

### Day 5: 10 July 2015

10 am – 1 pm Multiple Integration

1 pm- 2 pm Lunch

2 pm – 4 pm Tutorial

4:15 pm onwards Valedictory

**Venue:** Room No.-008, Ground Floor, S.P.I.T.  
Bhavan's campus, Munshi Nagar,  
Andheri (W), Mumbai: 400 058