

## PCB Design using Eagle

### **Duration: One day**

Designing PCB is a crucial step in developing an electronic product. Students can benefit from this knowledge during their mini and final year projects.

We are offering a course on PCB design in EAGLE EDA tool (Theoretical and Practical approach)

Following topics will be covered

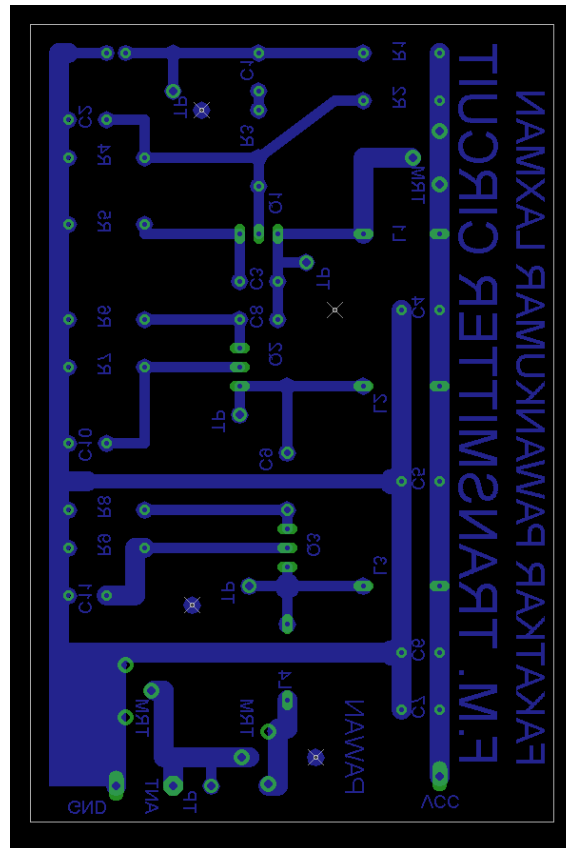
- Introduction to PCB Design
- Getting started with EAGLE CADSOFT PCB design tool
- Starting new project
- Drawing Schematic
  - Selecting components
  - Making connections
  - Error check
- PCB layout
  - Component placement
  - Manual routing
  - Design rule check
- Tips and Tricks
- Finalizing PCB
- Exporting Gerber Files
- Project - Design of 8051 Development Board

### **Course Fees:**

Students: Rs. 100 /-

### **Contact:**

Prof. Pawankumar L. Fakatkar



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

### **Announces**

**One day workshop on  
PCB design using Eagle  
And 8051 Board Development  
23<sup>rd</sup> July, 2016**

**Organized by  
Department of Electronics  
Engineering,  
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)

Bhavan's campus, Munshi Nagar,  
Andheri (W), Mumbai: 400 058

One day workshop on  
"PCB design using Eagle  
And 8051 Board  
Development "  
23<sup>rd</sup> July, 2016

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

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

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

Experience \_\_\_\_\_

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

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

\_\_\_\_\_

\_\_\_\_\_

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

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

(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. 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. In addition to these programs Electronics and Telecommunication and Computer Engineering Departments have started Ph.D. program from 2012.

Electronics Engineering Department, since its inception in 1995, has achieved great recognition in the field of technical education. The department offer B.E. in Electronics Engineering, a four-year degree program with an intake of 60 students. The National Board of Accreditation accredited the department in 2004. It comprises highly qualified and professionally skilled faculty members with an impressive record of the published work. Department faculties are rigorously involved in R&D activities. Their research work is published in reputed international journals like IEEE, IET, AIP, ASP, Elsevier, Wiley, IETE etc. and also in international conferences. The faculty members conduct training programs in the various areas of engineering such as embedded systems, VLSI and networking.

One day workshop on  
"PCB design using Eagle  
And 8051 Board  
Development"  
(Hands-on Practice)  
23<sup>rd</sup> July 2016

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

From,

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