







ONE-DAY WORKSHOP ON PCB DESIGNING AND FABRICATION**1st October 2016****TEACHER'S ACTIVITY REPORT 2016 - 2017****FACULTY: SCIENCE DEPARTMENT/COMMITTEE: ELECTRONICS IQAC ACTIVITY No: SVC/2016-17/ELECT/NK/1**

| NAME OF THE ACTIVITY: ONE DAY WORKSHOP ON PCB DESIGNING AND FABRICATION | | | |
|--|---|-----------------------------------|---|
| DATE | FACULTY | DEPARTMENT/ COMMITTEE | COORDINATOR NAME |
| 01 October, 2016 | Science | Electronics | Dr Neeru Kumar Mr Hari Singh Dr Kunal Srivastava Dr Neha Verma |
| TIME | VENUE | NUMBER OF PARTICIPANTS | NATURE: OUTDOOR/INDOOR |
| NA | Sri Venkateswara College | | Indoor |
| SUPPORT/ASSISTANCE | Sri Venkateswara College, Centre For Electronics Design And Technology-NSIT, Delhi | | |

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.: III)

| TOPIC/SUBJECT OF THE ACTIVITY | One Day Workshop on PCB Designing and Fabrication |
|--|---|
| OBJECTIVES |  To fabricate a basic Printed Circuit Board (PCB) |
| METHODOLOGY |  To emboss the circuit design on a Copper Plate  Etching  Soldering Electronic Components on PCB  Testing of Circuit |
| OUTCOMES |  A Monostable Multivibrator using IC 555-timer was fabricated and tested successfully |

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached)

| | | | | |
|--------------------|-------------------------------|-------------------|-----------|---------------|
| Notice & Letters ✓ | Student List of Participation | Activity Report ✓ | Photos ✓ | Feedback Form |
| Feedback Analysis | News Clip with details | Certificate ✓ | Any Other | |

| | | |
|-----------------------|-------------------|------------|
| IQAC Document No: | Criterion No: III | Metric No: |
| Departmental File No: | IQAC File No: | |

| | | |
|-----------------------------------|--|-------------------------------------|
| NAME OF TEACHER & SIGNATURE | NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE | IQAC COORDINATOR (SEAL & SIGNATURE) |
| Dr Neeru Kumar | Dr Neeru Kumar | |

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For Reference

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|---------------|--|--|---------------|---------------------------------------|
| Criterion I | Curricular Aspects (planning & Implementation) | | Criterion V | Student Support & Progression |
| Criterion II | Teaching Learning & Evaluation | | Criterion VI | Governance |
| Criterion III | Research, Innovations & Extension | | Criterion VII | Institutional Values & Best Practices |
| Criterion IV | Learning Resources and Infrastructure | | | |

PROOFS & DOCUMENTS

Notice & Letters

Invitation for Conducting Workshop on PCB Designing



Department of Electronics
Sri Venkateswara College
(UNIVERSITY OF DELHI)

Benito Juarez Road,
Dhaura Kuan,
New Delhi-110021
Phone: 24112196, Ext-234

Date: September 22, 2016

Prof. D. V. Gadre
Associate Professor
Department of Electronics and Communications Engineering
Netaji Subhas Institute of Technology
New Delhi-110078

Subject: Invitation for conducting Workshop on PCB Designing

Dear Sir,

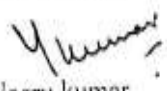
Sri Venkateswara College, established by the Tirumala Tirupati Devasthanams (TTD) in July 1961 is one of the premier colleges of Delhi University. It offers 21 different undergraduate courses of Arts, Commerce & Science streams & 10 post graduate courses.

The Department of Electronics is planning to organize a hands-on-workshop on "PCB designing" on 1st October 2016 (Saturday) for B.Tech VII Sem and B.Sc. (Hons.) V Sem students. On behalf of the department, I would like to invite you to conduct this workshop along with your team members.

You are requested to kindly send confirmation and the requirements to hold the same.

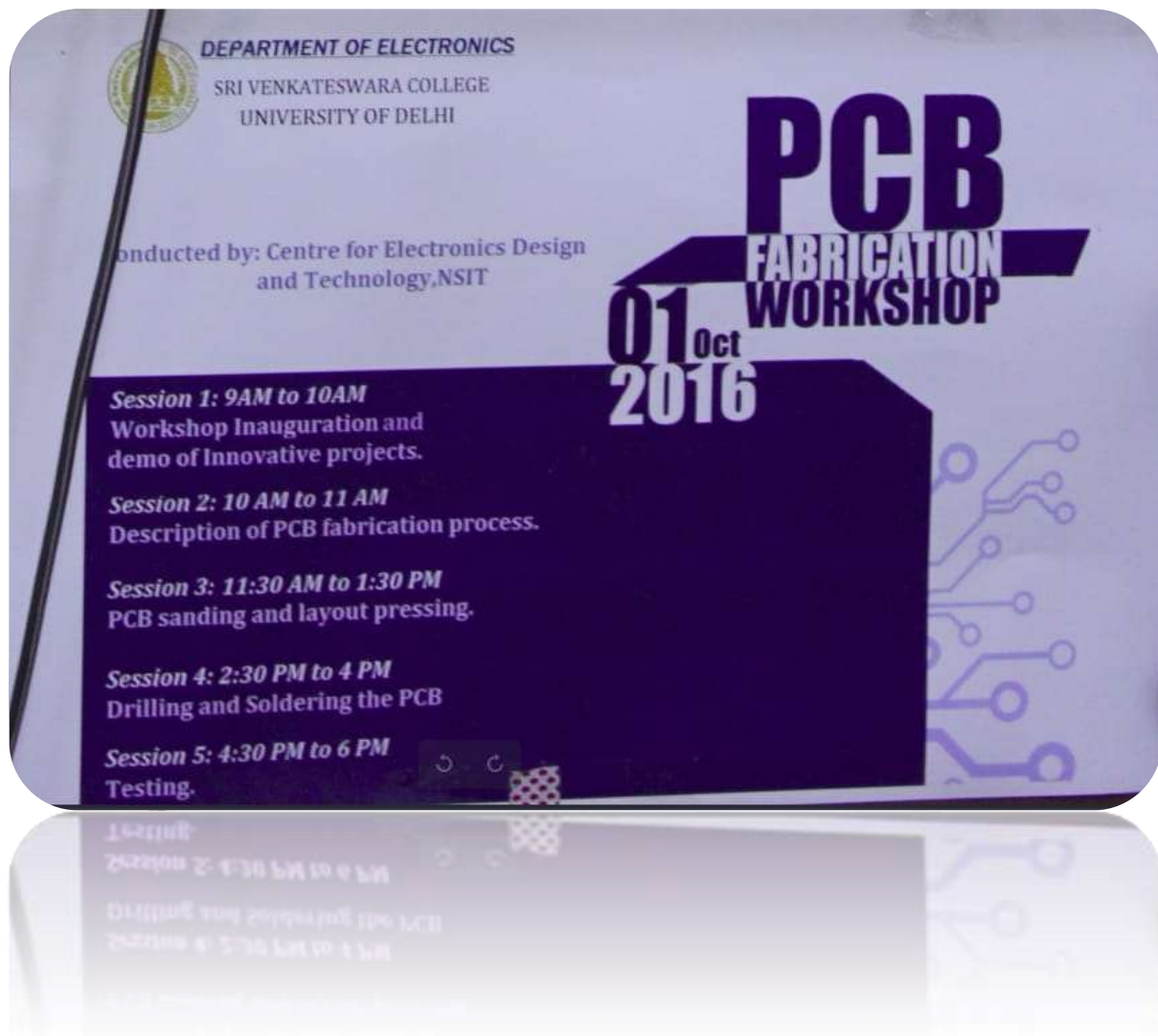
Thanking you

Yours Sincerely


Dr Neeru kumar,
(Teacher-in-charge)

Notice & Letters

Poster



The poster is for a PCB Fabrication Workshop. It features a purple and white color scheme with a circuit board pattern on the right side. The text is as follows:

DEPARTMENT OF ELECTRONICS
SRI VENKATESWARA COLLEGE
UNIVERSITY OF DELHI

Conducted by: Centre for Electronics Design
and Technology, NSIT

PCB FABRICATION WORKSHOP

01 Oct 2016

Session 1: 9AM to 10AM
Workshop Inauguration and
demo of Innovative projects.

Session 2: 10 AM to 11 AM
Description of PCB fabrication process.

Session 3: 11:30 AM to 1:30 PM
PCB sanding and layout pressing.

Session 4: 2:30 PM to 4 PM
Drilling and Soldering the PCB

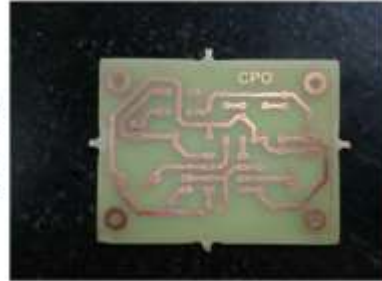
Session 5: 4:30 PM to 6 PM
Testing.

Activity Report
One-Day Workshop on PCB Designing and Fabrication
1st October 2016

WORKSHOPS

PCB Designing

The Department of Electronics successfully organized a one day workshop on PCB Designing and Fabrication on 1st October, 2016. The workshop was conducted by Mr Dhanajay V. Gadre, NSIT Delhi & his team of six members. Mr Dhanajay V. Gadre completed his M.Sc. from DU and M.Engr in Computer Science from University of Idaho, USA. He is the author of several articles and five books. Through the workshop, the students learned to fabricate a basic printed circuit board i.e. (PCB) by embossing the design on a copper plate, etching it and finally soldering it. All the designed PCBs of 555 timer, working in monostable multivibrator mode, were successfully fabricated and tested.



"Tell me & I forget, teach me & I may remember, involve me & I learn."

- Benjamin Franklin.

Photos



Certificate





SRI VENKATESWARA COLLEGE
(University of Delhi)

Internal Quality Assurance Cell

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Prof C. Sheela Reddy
Principal
Sri Venkateswara College

IQAC Coordinator

Dr. N. Latha
Department of Biochemistry

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Department of Biochemistry
University of Delhi South
Campus

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University of Delhi South
Campus

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Department of Electronics

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Department of Physics

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Dr. Neeraj Sahay
Department of History

Dr. Vartika Mathur
Department of Zoology

Dr. Shruti Mathur
Department of Commerce

Dr. Padma Priyadarshini
Department of Sociology

Dr. Nimisha Sinha
Department of Biochemistry

Shri D. Venkat Ramana
A.O(I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association)
has been submitted for documentation to IQAC, Sri Venkateswara College,
University of Delhi.

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