



ATHARVA EDUCATIONAL TRUST'S
ATHARVA COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by Government of Maharashtra
& Affiliated to University of Mumbai - Estd. 1999 - 2000)

Department of Electronics & Telecommunication

Report on
One day workshop on "PCB Design"

Dated : 21st September 2017

Organised by : EXTC Department

Time : 9.00am to 5.00pm

Venue : Lab 2 ,(Second Floor), phase 1 Atharva College of Engineering, Atharva Education complex , Malad Marve Road , Charkop Naka , Malad (W), Mumbai 400095

About the Workshop :

Department of EXTC had conducted a one day workshop on PCB Designing. The basic aim of this workshop was to get students introduced and acquainted with Basics of PCB along with designing and techniques for soldering.

Students were mainly targeted on building study experiments along with various applications.

Session 1

This session mainly incorporated introduction to PCB and basics of soldering

Also students were explained in detail about various tools and equipments needed so.

Session 2

Hands-On practice on various soldering techniques and implementing allocated project with proper thesis output.

Contents:

What is a PCB? (will hand over a circuit board)

Why PCB is used?, Introduction to zero pcb (how it is made and different sizes) How components and zero pcb are combined (Introduction to soldering)

What is soldering?

Necessary and extra tools for soldering

Explanation of each tool and how to use them

Types of wires used for jumping

Division of groups and showing them how to solder and techniques behind them

Starting from point soldering, track and component soldering

Soldering using wires (high jumping, flat wire, bottom wire use)

Allotting projects to all the groups

Letting all the groups try soldering for example spot, track.

Once everyone has their hands on, start along with their allotted projects

Finish up all the projects

Inform everyone about a 'basic engineer's tool box'

Pass on a survey form and gather feedback.

Address : Malad-Marve Road, Charkop Naka, Malad (W), Mumbai 400095, Maharashtra, India



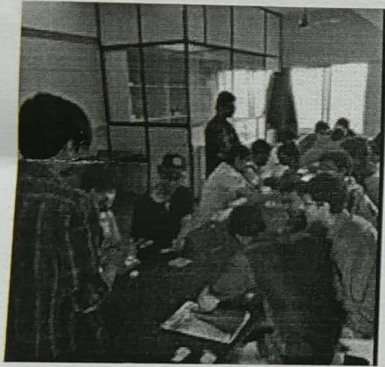
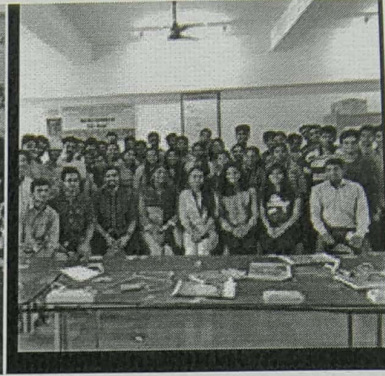


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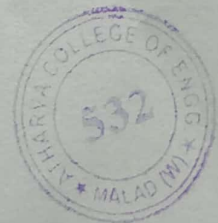
No. of participants: 79 students



Regards,

Workshop Committee
Prof. Mahalaxmi Palinje
Prof. Ritu Sharma

H.O.D (EXTC)
Prof. Jyoti Kolap



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