



**JSPM's BHIVRABAI SAWANT INSTITUTE OF
TECHNOLOGY AND RESEARCH**
Wagholi, Pune.

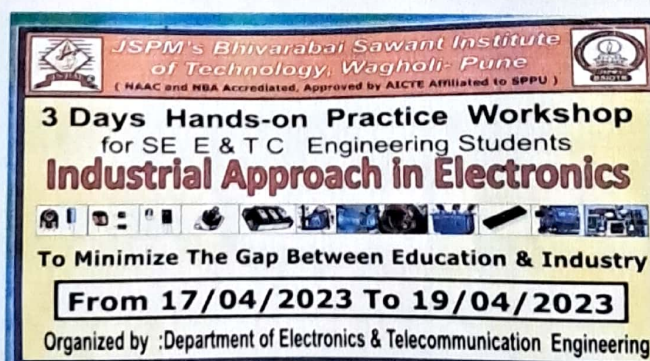


REPORT ON
**Three Days Hands on workshop on
“Industrial Approach in Electronics”**

Name of The Programme	Three Days Hands on workshop on “Industrial Approach in Electronics” under ETSA(Electronics and Telecommunication Students Association)
Date	17/04/2023 to 19/04/2023
Mode	Offline
Organizer	Department of Electronics and Telecommunication Engineering of Bhivarabai Sawant Institute of Technology & Research Wagholi, Pune
Programme Convener	Dr. Y. S. Angal, HOD (E&TC)
Resource Person	Mr. Sanjay Chaudhary
Faculty Coordinator	Assit Prof. J.Y.Suryawanshi, Assit. Prof. P.V.Gawade
Participants	61 students SE E&TC (36-Male, 25-Female)

Introduction

Three days workshop was organized on 17th April, 2023 to 19th April, 2023 in Electronics and telecommunication department in offline mode. Resource Person Mr. Sanjay Chaudhary, CEO of Electronics study Centre, Nashik conducted the workshop. The function was started with inauguration by hands of Principal Dr. T. K. Nagaraj. HOD Dr. Y.S. Angal was given motivational speech for students. 61 SE (E&TC) students were participated in hands-on workshop.



Program Objective:

Sr. No.	Programme Objective
1	To enhancing knowledge of testing basic Electronic components.
2	To improving soldering and disordering skills.
3	To building team handling skills.

Workshop Agenda-

Day	Time	Program	Topic
1	9.30am To 10 am	Registration	Latest Color PP size photo required
	10 am To 1 pm	Morning session	Component Identification & Testing Practice
	1 pm To 2 pm	Lunch Break	-----
	2 pm To 5 pm	Evening Session	Component Identification & Testing Practice
2	9 am To 1pm	Morning session	Component Identification & Testing Practice
	1 pm To 2 pm	Lunch Break	-----
	2pm To 5 pm	Evening Session	PCB study types - Designing Art work etching Assembling, Soldering, desoldering Tips, Technique, Practice
3	9 am To 1pm	Morning session	Project Construction & Testing
	1 pm To 2 pm	Lunch Break	-----
	2pm To 5 pm	Evening Session	Discussion, Feedback

Day 1:

On first day, Discussion on basic electronic components i.e. resister, capacitor, inductors and its colour coding. In morning session, components introduction and its colour coding covered. In afternoon session, Components identification and testing of components were performed by students individually.



Dr.Y.S.Angal (HOD E&TC) motivating students



Students performing testing of components



Performing LED testing

Day 2:

On second day, Identification and testing of components like diodes, relay, FET, IGBT etc. performed by students individually using testing devices (multimeter). In that measure value of forward and reverse resistance of components.



Students performing testing of components



Day 3:

On third day, mini project task was given to students in group of 3 students. Mini project like water level detector, fire alarm system etc. Introduction of PCB, assembling of components on PCB, soldering of components and testing were performed by groups of students.



Soldering the components



Performing project with Dr. Sanjay Chaudhary





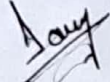
Ms.Rajnandini Tupsundare (TE E&TC) worked as volunteer facilitated by Mr. Sanjay Chaudhary

A valedictory function was carried out at last with presence of HOD Dr. Y.S.Angal and other faculty coordinators. Certificate distribution event was held.

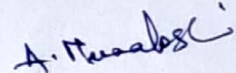


Sample certificate of Workshop

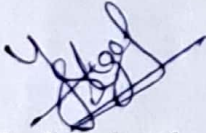
Sr. No.	Outcome	PO	PSO
1	Understand all types of components and testing	PO1,PO2,PO5,PO6, PO7,PO12	PSO1, PSO3
2	Identify team handling skill	PO1,PO2, PO5,PO8,PO9, PO10, PO12	PSO1,PSO3



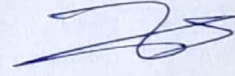
Assit.Prof. J.Y.Suryawanshi & Assit.Prof. P.V.Gawade
Workshop Coordinator

Prof. Meenakshi A.
ETSA Co-ordinator



Dr. Y. S. Angal
HOD E&TC



Dr. T. K. Nagaraj

Principal
PRINCIPAL

Bhivarabai Sawant Institute Of Technology & Research
Wagholi, Pune-412207.

Student Attendance:

JSPM's Bhivarabai Sawant Institute of Technology & Reserach Wagholi
 Organized by Electronics & Telecommunication Department
 3 Days Workshop "Industrial Approach in Electronics"

Class-SEE & TC Attendance-17/04/2023 To 19/04/2023

Sl. No.	Name of the student	Participants Signature		
		17/04/2023	18/04/2023	19/04/2023
1	Adhar Arav Shrivastava	[Signature]	[Signature]	[Signature]
2	Balraj Panchajanya Laxman	[Signature]	[Signature]	[Signature]
3	Bhaskar Shambhooji Sankar	[Signature]	[Signature]	[Signature]
4	Chetan Haring Waghmare	[Signature]	[Signature]	[Signature]
5	Chaudhari Abhinav Tejashree	[Signature]	[Signature]	[Signature]
6	Chatur Prasad Sankar	[Signature]	[Signature]	[Signature]
7	Chiranjeev Mahapatra	[Signature]	[Signature]	[Signature]
8	Chitwan Mishra Vigneshwar	[Signature]	[Signature]	[Signature]
9	Dighe Sakshita Shashik	[Signature]	[Signature]	[Signature]
10	Deepanshu Ramesh Sankar	[Signature]	[Signature]	[Signature]
11	Devendra Prasad Sankar	[Signature]	[Signature]	[Signature]
12	Dhanraj Sankar Sankar	[Signature]	[Signature]	[Signature]
13	Dhruv Anand Sankar	[Signature]	[Signature]	[Signature]
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26	Kundhar Akshay Vitor	[Signature]	[Signature]	[Signature]
27	Mohit Anand Chaurang	[Signature]	[Signature]	[Signature]
28	Murugan Sankar Anil	[Signature]	[Signature]	[Signature]
29	Nair Anil Ravi	[Signature]	[Signature]	[Signature]
30	Narayan Ramesh Sankar	[Signature]	[Signature]	[Signature]
31	Nikhil Vikram Sankar	[Signature]	[Signature]	[Signature]
32	Parthasarathi Ramesh Sankar	[Signature]	[Signature]	[Signature]
33	Patil Parag Sankar	[Signature]	[Signature]	[Signature]
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51	Sankar Akshay Sankar	[Signature]	[Signature]	[Signature]
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61	Sankar Akshay Sankar	[Signature]	[Signature]	[Signature]
62	Sankar Akshay Sankar	[Signature]	[Signature]	[Signature]

[Signature] Director
 [Signature] Workshop
 [Signature] E & T Department