

SANDIP POLYTECHNIC, NASHIK

SPECTRUM JAN - JUN 2K24

Facult

SANDIP POLYTEC

Sandip Foundation's

Sandip Polytechnic, Nashik

Department of Electrical Engineering

A.Y.:2023-2024

Newsletter

JAN - April 2024 Issue 5

Institute Vision and Mission

Vision: "To produce skilled technocrats for serving industry, society and pursue higher education."

Mission:

M1: To provide state of the art infrastructure, qualified and competent teaching faculty.

M2: To provide industry institute interaction, employability enhancement and higher education.

M3: To provide platform for development of professional, social skills and lifelong learning.

Department Vision and Mission:

Vision

"To develop professionally skilled electrical engineers to fulfill the needs of industry and society at large."

Mission:

M1: To offer quality technical education through student's centric teaching learning methods to emhance technical knowledge, skills and positive attitude.

M2: To provide a learning center for entrepreneurship,employability and highereducation.M3: To develop interpersonal skills for professional growth.



Editorial Board Members

1. Prof.V.S.Patil

2. Prof.N.B.Ranotkar

Leading Polytechnic College s in Nashik

vou join When Sandip Polytechnic (SP) at Sandip Foundation, you are joining one of the top polytechnic colleges in Maharashtra and indeed the best polytechnic college in Nashik. If you want to fast track your career and fast track yourself to success then there's just one and only one place. And that's Sandip Polytechnic. Our motivation to help you become 'insanely' great at what you do, achieve your imagination.



1. EXPERT LECTURES



Name of Event: Expert Lecture on "Career Opportunities in Abroad"

Date of Event: 16/01/2024

Objectives: To provide guidance to learners in getting information on foreign education and career opportunities Abroad. To make students aware of global education & job opportunities abroad.

Outcomes:

Gain insights on foreign education

Lucid explanation in handling formalities in studying abroad.



Name of Event: Expert Lecture on "Personality Development"

Date of Event: 20/01/ 2024

Objectives: To develop students' personality by using pragmatic approach.

Outcomes:

• Students will be able to use Presentation Skills, Body Language and Leadership Qualities for their better career prospects.

• Students will able to work with various professional organizations. Students will understand effective planning, time management and implementation for setting goals



Name of Event: Expert Lecture on "Personality Development

Date of Event: 30/01/2024

Objectives: Its main objective is to understand the importance of personality development and Interview Techniques.

Outcomes:

1) Students should understand the various factors of Personality development.

2) Students should know the concept of self-behavior.

3) Students should understand the Interview Techniques.

4) Students should know about self-evaluation.



2. EXPERT LECTURES



Name of Event: Expert Lecture on "Awareness of Drone Application".

Date of Event: 07.03.2024 **Resource Person**: Dr. Nikhil Baravkar.

Objectives:

Its main objective is to understand Drone technology and its applications.

Outcomes:

Students should understand the working of Drone. Students should know the working aspect of Drone. Students should familiarize with Drone Applications. 4Students should know the future of Drone Technology.



Name of Event: Expert Lecture on "Applications of IOT".

Date of Event: 05.02.2024

Resource Person: Mr. Ullhas Mahajan.

Objectives: Students should know about the role of IoT in real life. **Outcomes:** Students should understand different applications of IoT. Students should know different wireless technologies. Students should know the role of Iot in industrial revolution. Students should know the job opportunities in IoT.



3.INDUSTRIAL VISIT



Name of Event: Industrial Visit at "Trupti Automation"

Date of Event: 31.01.2024

Resource Person: Mr. Paresh Parashare

Objectives:

Its main objective is to know the working of various automation components used in electrical control panels.

Outcomes:

 Students should understand the wiring of various components used in control panels.
Students should know the function of Variable frequency drives.

3) Students should understand the designing and installation of electrical switchgears in control panel.



Name of Event: Industrial Visit at "Vijaya Converter, Nashik".

Date of Event: 15.02.2024

Resource Person: Ms. Neha Mhaispurkar.

Objectives:

Students should aware about design and manufacturing of control panel assembly.

Outcomes:

1) Students should understand the design of control panel box assembly

2) Students should know the manufacturing process.

3) Students should understand the material and process flow of industry.



4.INDUSTRIAL VISIT



Name of Event: Industrial Visit at Ashoka Biogreen Pvt. LTD, Nashik

Date of Event: 13.03.2024

Resource Person: CEO of Ashoka Biogreen, Nashik

Objectives:

The aim of this visit is to make the student understand the sustainable production of renewable energy from the biogas obtained of agricultural residues and food and beverage industry waste (agro-food waste) in smallscale concepts for energy self-sufficiency.

Outcomes:

1) Student understood the benefits of biogas plants which are environmentrelated, as they produce Renewable energy for domestic and industrial use.

2) Student understood how energy can be stored or injected into the electricity grid to reduce dependence on fossil-fuel energy, which can help reduce our carbon footprint.



Name of Event: Industrial Visit at "RO Plant, Sandip foundation, Nashik

Date of Event: 14.03.2024

Resource Person: Mr. Dnyneshwar Chavan

Objectives:

1. A RO Plant removes the salt and impurities from briny or brine (Unwanted/waste particle-like arsenic

& fluoride) therefore leading to drinkable water.

2. This technology removes giant particles, bacteria, and unwanted molecules or ions from water

Outcomes:

1) Students should understand basics of RO technology

2) Students should know process of RO water Treatment

3) The RO process reduces your exposure to potential contaminants, and RO water can be even better than what's found in some kinds of single-use water bottles.



5.SKILL DEVELOPMENT PRORAM



Name of Event: "Value Addition Program on "Electric Vehicles and Hybrid Electric Vehicle Technology"

Date of Event: 15/01/2024 to 19/01/2024

Venue: - Department of Electrical, Sandip Polytechnic, Nashik

Objectives:

 To Enhance Recent Trends in Electric Vehicles
To Elaborate Technical and Non-Technical Features of EV

3. To Enhance Technology about Hybrid Electric Vehicles and Green Vehicles

Outcomes:

• Identify the various components in EV

• Understand & identify various types of batteries used in EV

• Understood about the Design of charging Station

• Understood the difference between EV & HEV & also able to identify the components used in

• Understand various energy conversion stages in EV, HEV & Green Vehicles



Name of Event: "Skill Development Program-PCB Designing"

Date of Event: 15/01/2024 to 19/01/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik

Objectives:

1. Students will be provide Knowledge on Electronic components, Schematic drawing design, circuit simulation and PCB Design techniques

2. Students will be able to do the circuit designing in the Proteus 8.11 software and can design their own circuits.

3. Hands on experience in PCB Fabrication .a)Toner transfer method b)Etching Process c)Drilling and Placement of Components d)Soldering And testing of the Circuit.

Outcomes:

PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.



6.PARENTS MEET



Name of Event: "Parents Meet for SYEE & TYEE students"

Date of Event: 24/02/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik.

Objectives:

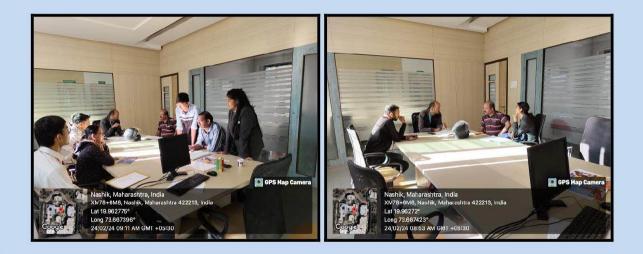
Its main objective is parents should know about the progress of their Son/Daughter.

Outcomes:

One of the researches has shown that parental involvement is the important factor in a student's success. Most of the parents that are not involved in the meeting. But, Department of Electrical Engineering at Sandip Polytechnic, Nashik, draws attention to the Parents of students in that overall development and counseling. The parent's meet help to bridge gap between institute/students/parents to create a healthy atmosphere.

Agenda:-

- DO's and Don'ts for students.
- Do and Don't for parents
- Role of parents to help the department to develop their ward as per their expectation.
- To know various academic and physical facilities with standard procedure.



7.COUNSELING OF STUDENTS AND PARENTS



Name of Event: "Counseling Of Students and Parents Regarding Improvement in Academic Performance".

Date of Event: 07/04/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik.

Objectives:

1. Counseling is a step which is crucial as it helps students to focus their efforts and set meaningful goals. By recognizing their strengths and weaknesses

2. The primary aim of counseling is to enhance and promote self-learning in students and help them top become independent.

Outcomes:

1. Students can open up and speak out their issues without any fear. This can give them some relief from the problems they go through.

2. This is helpful to the students to increase their confidence, decision-making skills and ability to manage stress effectively.

3. This counseling session helps to improve student's learning strategies and academic Performance.







Name of Event: Farewell for the A. Y. 2023-24 Batch

Date of Event: 27/04/ 2024

Objectives:

1. A farewell party is a gathering held to say goodbye to third year students of electrical department

2. Farewell is basically provides an opportunity to celebrate their achievements, express appreciation, and offer well wishes for their future endeavors.

Outcomes:

1. The students from second year Diploma arranged a farewell party to the final year outgoing students.

2. Hence juniors wish their seniors a good luck for their next big adventures in various forms like singing, dancing, with motivational speeches or by felicitating them.

3. All the students were felicitated by the staff, while Principal sir addressing the student, he explained the dilemmas which would be a barrier to the legal profession how the students should prepare themselves for their future endeavors and wished them with his motivational speech.







Name of Event: Project Competition

Date of Event: 16/03/2024

Objectives:

To create a group of young minds with talent. To lend hands to beginners and lead them to the world of knowledge.

To guide on specific areas of quizzing and encourage to participate in out of the box competitions.

Participants: TYEE



Name of Event: Paper Presentation.

Date of Event: 16/03/2024

Objectives:

Encourage diploma students to demonstrate their research, analytical, and communication skills through a competition. The objective is to foster academic excellence, promote critical thinking, and recognize outstanding scholarly work within the diploma student community.

Participants: TYEE and SYEE Students.



State Level Tech-Fest 2K24





Name of Event: Poster Competitions.

Date of Event: 16/03/2024

Objectives:

To showcase how technological and societal development will be embraced (and will transform) in college.

Technical fests are ways of exploring spectacular ideas that are displayed from students

Participants: TYEE and SYEE Students.



Name of Event: Quiz Competitions.

Date of Event: 16/03/2024

Objectives:

The Objective behind to organize Quiz competition is to evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the prospects of quizzes and the objectivity of the questions.

Participants: TYEE and SYEE Students.



10.TOPPERS



WINTER - 2023 EXAM THIRD YEAR

CONGRATULATIONS!!!!

Rank	Name of Students	Percentage	Photo
1	PRINCE KUMAR	91.10%	
2	LIBIN MOHAN VARGHESE	89.00%	
3	GANGURDE SWAPANALI RAVINDRA	88.70%	

WINTER - 2023 EXAM SECOND YEAR

CONGRATULATIONS!!!!

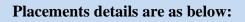
Rank	Name of Students	Percent age	Photo
1	RUTUJA DADABHAU GANGURDE	83.5%	
2	ADKE PRIYA DNYANESHWAR	82.75%	B
3	GAIKWAD SHRUTIKA BANDU	80.38%	

11.ACHIEVEMENT









Sr. no	Name of Student	Name of Company	Package	Photos
1.	Narayan Surwade	ABB India Pvt. Ltd, Nashik	4.5 L PA	
2.	Prince Kumar	Haier Appliances India Ltd, Pune	3 LPA	
3.	Narayan Surwade	Macleods Pharm. Ltd, Mumbai	2.1 LPA	
4.	Roshan Jat	Macleods Pharm. Ltd, Mumbai	2.1 LPA	
5.	Paras Khandagale	Macleods Pharm. Ltd, Mumbai	2.1 LPA	9 -
6.	Bhupesh Talele	Macleods Pharm. Ltd, Mumbai	2.1 LPA	

Department of Electrical Engineering

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SANDIP POLYTEC

Issue 05

Volume 01

SANDIP FOUNDATION

March - April 2024

POLYTECHNIC NEWSLETTER

Vision of Sandip Polytechnic

"To produce skilled technocrats for serving industry, Society and pursue higher education" Mission of Sandip Polytechnic

□ M1 : State the art of infrastructure, qualified and competent teaching faculty.

SANDIP

- □ M2 : To provide industry institute interaction, employability enhancement and higher education.
- □ M3 : To provide platform for development professional, social skill and life long learning.

Vision and Mission of the Department

VISION:

To produce professional skilled civil engineers to face the challenges in the engineering field and pursue higher education.

MISSION:

M1: To provide quality infrastructure in the support of a conducive learning environment. M2: To inculcate the practices towards employability, entrepreneurship and higher education. M3: To develop a positive attitude, professional and social skills



Editorial Board Members Prof. V. O. Patil Prof. B. G. Abhale

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When you join Sandip Polytechnic (SP) at Sandip Foundation, you are joining one of the top polytechnic colleges in Maharashtra and indeed the best polytechnic college in Nashik.

If you want to fast track your career and fast track yourself to success then there's just one and only one place and that's Sandip

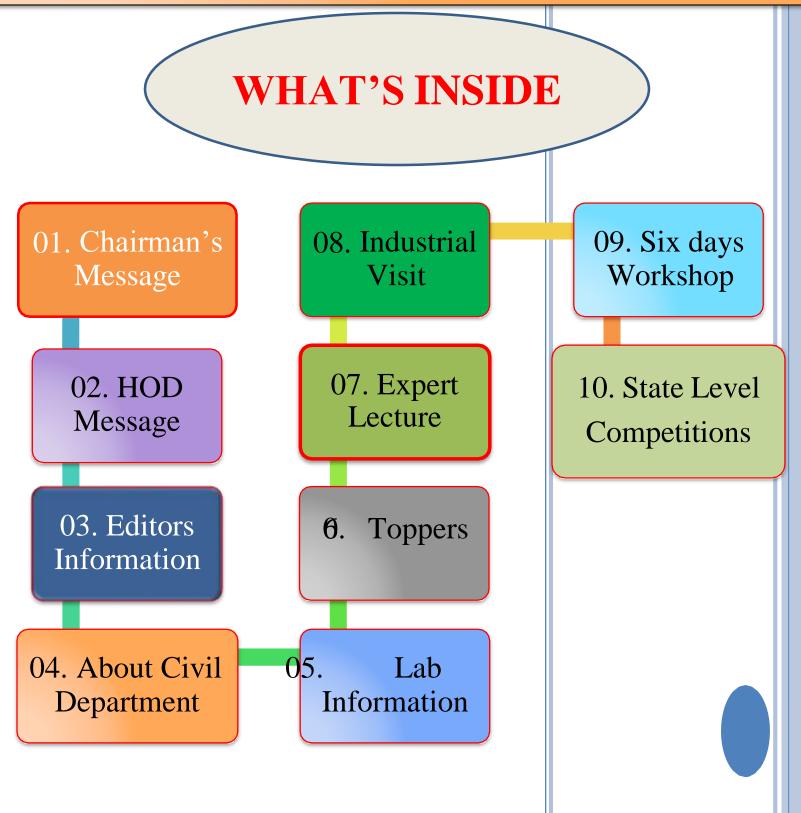
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Learn from your experiences for these is no greater tutor than life itself.

From Chairman's Desk

Learn from your experience, for there is no greater tutor than life itself. I am happy to pen down a few words as prologue to our Newsletter which is exclusively meant for churning out the latent writing talent which bears immense potentiality of sharpening our students' skills as part of their overall personality development. I congratulate all the team members and contributors of this Newsletter for bringing out such a beautiful Newsletter. Walk with those who feed your mind with motivation to further your mission. Wake up hungry for success every day; your drive for success must match the ferocity of a hungry lion attacking his prey every morning. An educated person without morals is like a room without windows. I think that morals are what ground us as a society, and without morals we would have no light to guide our educated minds. We, at Sandip Foundation, strive to make our students reliable technocrats and trustworthy citizens of India. My staunch faith and conviction is that our students would carve a niche in their career and life by going lineage and heritage through this temple of learning. I would like to take this opportunity to reiterate that there is no substitute to hard work in any venture. Therefore, it should be our endeavor to give our best in our areas of responsibilities and aim at achieving excellence for our institution. I wish all success to this venture.

HON'BLE DR. SANDIP N. JHA Chairman, Sandip Foundation

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HOD Civil Engineering Department Message

From HOD's Desk

I welcome you all to Sandip Polytechnic, the institution which has set the benchmark for quality teaching learning process. The institute strives to provide the world class faculties and facilities so that we will see you all blossom into empowered and sensitive human being. Education is the manifestation of love and my most cherished possession. It drives away the ignorance and through illumination it emboldens a man to a righteous thought and action. It energizes a society and enables a man to earn his living with respect and praise. In order to accomplish our vision and mission, we are prepared to take as much effort as possible for the betterment of academic scenario in India. Our institute cares for the individual development of each and every student. We follow the mentor system under which each class is put into multi-prolonged web of a teacher. We accord prime importance to the behavioral discipline, moral integrity and cognitive developments of our students. Our faculties strive to teach not only academic programs but also life skills needed for students.

Vice Principal HODCE

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EDITORS INFORMATION

Prof. V. O. Patil ME (Structure) vikas.patil@sandippolytechnic.org 9511940099

Prof. B. G. Abhale ME (Environment)

bhanudas.abhale@sandippolytechnic.org 9423042624





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ABOUT CIVIL ENGINEERING DEPARTMENT

Civil **Engineering** is a Professional Engineering discipline that deals with the design, construction and maintenance of the physically and naturally built environment, including works such as bridges, roads, canals, dams and buildings. Civil Engineering is the oldest Engineering Discipline after Military Engineering. It is traditionally broken into different disciplines including Environmental Engineering, Structural Engineering, Transportation Engineering, Water Resource Engineering, Geo-technical Engineering, Material Survey Engineering and Construction Engineering, Engineering. Civil Engineering takes place at all levels in the public sector and private sector.

Department Information Programme:- Civil Engineering Year of Establishment:- 2009 Intake Capacity:- 120 General Choice Code:- 525819110 TFWS Choice Code:- 525819111T

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CIVIL ENGINEERING LAB DETAILS

Sr. No.	Name of Lab	Location	Cost of Lab
1	Mechanics of Structure Lab	Ground Floor	1082264
2	Hydraulics Lab (Fluid Mechanics)	Ground Floor	256497
3	Geotechnical Engineering Lab	Ground Floor	632350
4	Concrete Technology Lab	Ground Floor	845622
5	Surveying Lab	Ground Floor	1201804
6	Public Health Engineering Lab	First Floor	199615
7	Model Lab	First Floor	183141
8	Engineering Mechanics Lab	First Floor	314878
9	Highway Engineering Lab	First Floor	108821
10	CAD Lab	First Floor	

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CIVIL ENGINEERING TOPPERS SYCE W-23

Sr. No	Name of Student	Enrolment No	Class	%	Photos
1	GAIKWAD OMKAR SANTOSH	2111670120	TYCE	91.10	
2	DANDGAVAL POOJA MANOJ	2111670119	TYCE	89.80	
3	PHADOL ADITYA DATTATRAY	2111670060	TYCE	88.30	

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CIVIL ENGINEERING TOPPERS TYCE W-23

Sr. No	Name of Student	Enrolment No	Class	%	Photos
01	PRATHAMESH SHRAVAN DHANRALE	2211670075	SYCE	87.89	
02	JAGTAP ISHA SANJAY	2211670010	SYCE	86.32	
03	CHAROSKAR PAYAL SHARAD	2211670008	SYCE	82.11	

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EXPERT LECTURES

Expert lecture on Analysis of Waste Water

Name of Event:

Expert lecture on Analysis of Waste Water.

Date of Expert Lecture:-

06.03.2024

Resource Person:-

Prof. Dr. J. G. Naik

Participants:-

SYCE & TYCE Students

- 1. Analyzing wastewater helps in assessing the levels of various pollutants present in the water. This includes organic matter, nutrients (nitrogen and phosphorus), heavy metals, pathogens, and other contaminants.
- 2. Wastewater analysis is essential for monitoring compliance with regulatory standards and permits.



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EXPERT LECTURES

Expert Lecture on Geotechnical Investigation for Foundation

Name of Event:

Expert Lecture on Geotechnical Investigation for foundation.

Date of Expert Lecture:-

05.03.2024

Resource Person:-

Prof. S. D. Turakane

Participants:-

SYCE & TYCE Students

- 1. These investigations help understand the geological and geotechnical properties of the site.
- 2. These investigations also assess groundwater conditions, including depth, flow, and potential effects on foundation stability.
- 3. Ultimately, the data collected from geotechnical investigations is used to design appropriate foundations that can safely support the intended structure while considering factors like soil bearing capacity, settlement, and groundwater conditions.



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EXPERT LECTURES

Expert Lecture on Financial Literacy

Name of Event:

Expert Lecture on Financial Literacy.

Date of Expert Lecture:-

06.03.2024

Resource Person:-

Mrs. D. V. Kale

Participants:-

SYCE & TYCE Students and Faculty Members

- 1. The lecture should aim to provide participants with a clear understanding of fundamental financial concepts such as budgeting, saving, investing, debt management, and financial planning.
- 2. The lecture should help participants develop critical thinking and decision-making skills related to financial matters.



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INDUSTRIAL VISITS

Sub Structure and Super Structure visit at Gajra Associates

Name of Event:

Visit under Building Material Construction subject to know Components of Sub structure & Super Structure at Gajra Associates.

Date of Visit:-

19.03.2024

Visit Location:-

Sandip Foundation Campus, Near Olive Canteen, Nashik.

Participants:-

SYCE & TYCE Students

- 1. Identify components of substructure and Super-structure of building.
- 2. Propose suitable type of foundation of building structures.
- 3. To Understand the finishing Work of building.



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SIX DAY'S WORKSHOP ON ON E-TENDERING

Six day's Workshop on E-Tendering

Name of Event:

Six day's Workshop on E-Tendering.

Date of Expert Lecture:-

15.01.2024

Location:-

Sandip Polytechnic Building Class Room 203.

Participants:-

TYCE Students

- 1. The main objective of the workshop is to know the importance & Procedure of E- Tendering in Construction Industry.
- 2. Importance of registration in PWD/WRD/ZP.
- 3. Importance of BOQ.
- 4. Importance of Quotation which is in Percentage Above OR Below.



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SKILL DEVELOPMENT

Introduction to Basic Mathematics & use of Scientific Calculator

Name of Event:

Introduction to Basic Mathematics & use of Scientific Calculator.

Date of Expert Lecture:-

Feb. 2024

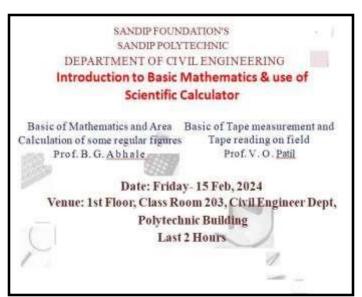
Location:-

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Participants:-

SYCE Students

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STATE LEVEL COMPETITION

Poster Making Competition

Name of Event:

Poster Making Competition.

Date of Expert Lecture:-16.03.2024

Location:-

Sandip Polytechnic Building Drawing Hall.

Participants:-

TYCE & SYCE Students

- 1. Poster competitions can serve as educational tools, especially in schools and universities. They provide opportunities for students to research topics, learn about different art techniques, and develop their artistic skills in a fun and interactive way.
- 2. Poster-making competitions serve as a platform for personal growth, community engagement, and positive social impact.





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STATE LEVEL COMPETITION

Quiz Competition

Name of Event:

Quiz Competition.

Date of Expert Lecture:-16.03.2023

Location:-

Sandip Polytechnic Class room 203.

Participants:-

TYCE & SYCE Students

- 1. The primary objective of quiz competitions is to encourage participants to acquire knowledge across different subjects or themes.
- 2. Quiz questions often require participants to analyze information, make connections, and apply reasoning skills to arrive at answers. This process fosters critical thinking abilities, helping participants become better problem solvers.
- 3. Engaging in quiz competitions can enhance participants' ability to retain information and recall it when needed.





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STATE LEVEL COMPETITION

Paper Presentation Competition

Name of Event:

Paper Presentation Competition.

Date of Expert Lecture:-

16.03.2024

Location:-

Sandip Polytechnic Class room 204.

Participants:-

TYCE & SYCE Students

- 1. Encouraging participants to conduct original research and contribute to the advancement of knowledge in their field.
- 2. Providing a platform for participants to improve their communication and presentation skills by effectively conveying complex ideas in a clear and engaging manner.
- 3. Creating opportunities for participants to interact with peers, experts, and industry professionals, fostering collaboration and networking within the academic and professional community.





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STATE LEVEL COMPETITION

Project Competition

Name of Event:

State level Project Competition. **Date of Expert Lecture:-**

16.03.2024

Location:-

Sandip Polytechnic Class room 101.

Participants:-

TYCE & SYCE Students

- 1. Presentation skill and stage daring will be improved.
- 2. Improvement in their ideas and thoughts.







SANDIP POLYTECHNIC, NASHIK

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Facult

SANDIP POLYTEC

Sandip Foundation's

Sandip Polytechnic, Nashik

Department of Electrical Engineering

A.Y.:2023-2024

Newsletter

JAN - April 2024 Issue 5

Institute Vision and Mission

Vision: "To produce skilled technocrats for serving industry, society and pursue higher education."

Mission:

M1: To provide state of the art infrastructure, qualified and competent teaching faculty.

M2: To provide industry institute interaction, employability enhancement and higher education.

M3: To provide platform for development of professional, social skills and lifelong learning.

Department Vision and Mission:

Vision

"To develop professionally skilled electrical engineers to fulfill the needs of industry and society at large."

Mission:

M1: To offer quality technical education through student's centric teaching learning methods to emhance technical knowledge, skills and positive attitude.

M2: To provide a learning center for entrepreneurship,employability and highereducation.M3: To develop interpersonal skills for professional growth.



Editorial Board Members

1. Prof.V.S.Patil

2. Prof.N.B.Ranotkar

Leading Polytechnic College s in Nashik

vou join When Sandip Polytechnic (SP) at Sandip Foundation, you are joining one of the top polytechnic colleges in Maharashtra and indeed the best polytechnic college in Nashik. If you want to fast track your career and fast track yourself to success then there's just one and only one place. And that's Sandip Polytechnic. Our motivation to help you become 'insanely' great at what you do, achieve your imagination.



1. EXPERT LECTURES



Name of Event: Expert Lecture on "Career Opportunities in Abroad"

Date of Event: 16/01/2024

Objectives: To provide guidance to learners in getting information on foreign education and career opportunities Abroad. To make students aware of global education & job opportunities abroad.

Outcomes:

Gain insights on foreign education

Lucid explanation in handling formalities in studying abroad.



Name of Event: Expert Lecture on "Personality Development"

Date of Event: 20/01/ 2024

Objectives: To develop students' personality by using pragmatic approach.

Outcomes:

• Students will be able to use Presentation Skills, Body Language and Leadership Qualities for their better career prospects.

• Students will able to work with various professional organizations. Students will understand effective planning, time management and implementation for setting goals



Name of Event: Expert Lecture on "Personality Development

Date of Event: 30/01/2024

Objectives: Its main objective is to understand the importance of personality development and Interview Techniques.

Outcomes:

1) Students should understand the various factors of Personality development.

2) Students should know the concept of self-behavior.

3) Students should understand the Interview Techniques.

4) Students should know about self-evaluation.



2. EXPERT LECTURES



Name of Event: Expert Lecture on "Awareness of Drone Application".

Date of Event: 07.03.2024 **Resource Person**: Dr. Nikhil Baravkar.

Objectives:

Its main objective is to understand Drone technology and its applications.

Outcomes:

Students should understand the working of Drone. Students should know the working aspect of Drone. Students should familiarize with Drone Applications. 4Students should know the future of Drone Technology.



Name of Event: Expert Lecture on "Applications of IOT".

Date of Event: 05.02.2024

Resource Person: Mr. Ullhas Mahajan.

Objectives: Students should know about the role of IoT in real life. **Outcomes:** Students should understand different applications of IoT. Students should know different wireless technologies. Students should know the role of Iot in industrial revolution. Students should know the job opportunities in IoT.



3.INDUSTRIAL VISIT



Name of Event: Industrial Visit at "Trupti Automation"

Date of Event: 31.01.2024

Resource Person: Mr. Paresh Parashare

Objectives:

Its main objective is to know the working of various automation components used in electrical control panels.

Outcomes:

 Students should understand the wiring of various components used in control panels.
Students should know the function of Variable frequency drives.

3) Students should understand the designing and installation of electrical switchgears in control panel.



Name of Event: Industrial Visit at "Vijaya Converter, Nashik".

Date of Event: 15.02.2024

Resource Person: Ms. Neha Mhaispurkar.

Objectives:

Students should aware about design and manufacturing of control panel assembly.

Outcomes:

1) Students should understand the design of control panel box assembly

2) Students should know the manufacturing process.

3) Students should understand the material and process flow of industry.



4.INDUSTRIAL VISIT



Name of Event: Industrial Visit at Ashoka Biogreen Pvt. LTD, Nashik

Date of Event: 13.03.2024

Resource Person: CEO of Ashoka Biogreen, Nashik

Objectives:

The aim of this visit is to make the student understand the sustainable production of renewable energy from the biogas obtained of agricultural residues and food and beverage industry waste (agro-food waste) in smallscale concepts for energy self-sufficiency.

Outcomes:

1) Student understood the benefits of biogas plants which are environmentrelated, as they produce Renewable energy for domestic and industrial use.

2) Student understood how energy can be stored or injected into the electricity grid to reduce dependence on fossil-fuel energy, which can help reduce our carbon footprint.



Name of Event: Industrial Visit at "RO Plant, Sandip foundation, Nashik

Date of Event: 14.03.2024

Resource Person: Mr. Dnyneshwar Chavan

Objectives:

1. A RO Plant removes the salt and impurities from briny or brine (Unwanted/waste particle-like arsenic

& fluoride) therefore leading to drinkable water.

2. This technology removes giant particles, bacteria, and unwanted molecules or ions from water

Outcomes:

1) Students should understand basics of RO technology

2) Students should know process of RO water Treatment

3) The RO process reduces your exposure to potential contaminants, and RO water can be even better than what's found in some kinds of single-use water bottles.



5.SKILL DEVELOPMENT PRORAM



Name of Event: "Value Addition Program on "Electric Vehicles and Hybrid Electric Vehicle Technology"

Date of Event: 15/01/2024 to 19/01/2024

Venue: - Department of Electrical, Sandip Polytechnic, Nashik

Objectives:

 To Enhance Recent Trends in Electric Vehicles
To Elaborate Technical and Non-Technical Features of EV

3. To Enhance Technology about Hybrid Electric Vehicles and Green Vehicles

Outcomes:

• Identify the various components in EV

• Understand & identify various types of batteries used in EV

• Understood about the Design of charging Station

• Understood the difference between EV & HEV & also able to identify the components used in

• Understand various energy conversion stages in EV, HEV & Green Vehicles



Name of Event: "Skill Development Program-PCB Designing"

Date of Event: 15/01/2024 to 19/01/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik

Objectives:

1. Students will be provide Knowledge on Electronic components, Schematic drawing design, circuit simulation and PCB Design techniques

2. Students will be able to do the circuit designing in the Proteus 8.11 software and can design their own circuits.

3. Hands on experience in PCB Fabrication .a)Toner transfer method b)Etching Process c)Drilling and Placement of Components d)Soldering And testing of the Circuit.

Outcomes:

PCB (Printed Circuit Board) designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.



6.PARENTS MEET



Name of Event: "Parents Meet for SYEE & TYEE students"

Date of Event: 24/02/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik.

Objectives:

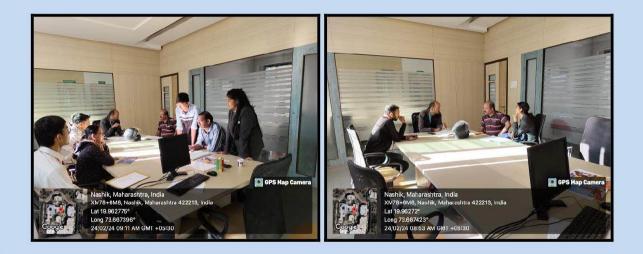
Its main objective is parents should know about the progress of their Son/Daughter.

Outcomes:

One of the researches has shown that parental involvement is the important factor in a student's success. Most of the parents that are not involved in the meeting. But, Department of Electrical Engineering at Sandip Polytechnic, Nashik, draws attention to the Parents of students in that overall development and counseling. The parent's meet help to bridge gap between institute/students/parents to create a healthy atmosphere.

Agenda:-

- DO's and Don'ts for students.
- Do and Don't for parents
- Role of parents to help the department to develop their ward as per their expectation.
- To know various academic and physical facilities with standard procedure.



7.COUNSELING OF STUDENTS AND PARENTS



Name of Event: "Counseling Of Students and Parents Regarding Improvement in Academic Performance".

Date of Event: 07/04/2024

Venue: - Electrical Department, Sandip Polytechnic, Nashik.

Objectives:

1. Counseling is a step which is crucial as it helps students to focus their efforts and set meaningful goals. By recognizing their strengths and weaknesses

2. The primary aim of counseling is to enhance and promote self-learning in students and help them top become independent.

Outcomes:

1. Students can open up and speak out their issues without any fear. This can give them some relief from the problems they go through.

2. This is helpful to the students to increase their confidence, decision-making skills and ability to manage stress effectively.

3. This counseling session helps to improve student's learning strategies and academic Performance.







Name of Event: Farewell for the A. Y. 2023-24 Batch

Date of Event: 27/04/ 2024

Objectives:

1. A farewell party is a gathering held to say goodbye to third year students of electrical department

2. Farewell is basically provides an opportunity to celebrate their achievements, express appreciation, and offer well wishes for their future endeavors.

Outcomes:

1. The students from second year Diploma arranged a farewell party to the final year outgoing students.

2. Hence juniors wish their seniors a good luck for their next big adventures in various forms like singing, dancing, with motivational speeches or by felicitating them.

3. All the students were felicitated by the staff, while Principal sir addressing the student, he explained the dilemmas which would be a barrier to the legal profession how the students should prepare themselves for their future endeavors and wished them with his motivational speech.







Name of Event: Project Competition

Date of Event: 16/03/2024

Objectives:

To create a group of young minds with talent. To lend hands to beginners and lead them to the world of knowledge.

To guide on specific areas of quizzing and encourage to participate in out of the box competitions.

Participants: TYEE



Name of Event: Paper Presentation.

Date of Event: 16/03/2024

Objectives:

Encourage diploma students to demonstrate their research, analytical, and communication skills through a competition. The objective is to foster academic excellence, promote critical thinking, and recognize outstanding scholarly work within the diploma student community.

Participants: TYEE and SYEE Students.



State Level Tech-Fest 2K24





Name of Event: Poster Competitions.

Date of Event: 16/03/2024

Objectives:

To showcase how technological and societal development will be embraced (and will transform) in college.

Technical fests are ways of exploring spectacular ideas that are displayed from students

Participants: TYEE and SYEE Students.



Name of Event: Quiz Competitions.

Date of Event: 16/03/2024

Objectives:

The Objective behind to organize Quiz competition is to evaluate the knowledge of the participants within academics as well as beyond academics and to make them familiar with the prospects of quizzes and the objectivity of the questions.

Participants: TYEE and SYEE Students.



10.TOPPERS



WINTER - 2023 EXAM THIRD YEAR

CONGRATULATIONS!!!!

Rank	Name of Students	Percentage	Photo
1	PRINCE KUMAR	91.10%	
2	LIBIN MOHAN VARGHESE	89.00%	
3	GANGURDE SWAPANALI RAVINDRA	88.70%	

WINTER - 2023 EXAM SECOND YEAR

CONGRATULATIONS!!!!

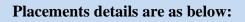
Rank	Name of Students	Percent age	Photo
1	RUTUJA DADABHAU GANGURDE	83.5%	
2	ADKE PRIYA DNYANESHWAR	82.75%	B
3	GAIKWAD SHRUTIKA BANDU	80.38%	

11.ACHIEVEMENT









Sr. no	Name of Student	Name of Company	Package	Photos
1.	Narayan Surwade	ABB India Pvt. Ltd, Nashik	4.5 L PA	
2.	Prince Kumar	Haier Appliances India Ltd, Pune	3 LPA	
3.	Narayan Surwade	Macleods Pharm. Ltd, Mumbai	2.1 LPA	
4.	Roshan Jat	Macleods Pharm. Ltd, Mumbai	2.1 LPA	
5.	Paras Khandagale	Macleods Pharm. Ltd, Mumbai	2.1 LPA	9 -
6.	Bhupesh Talele	Macleods Pharm. Ltd, Mumbai	2.1 LPA	

Department of Electrical Engineering

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