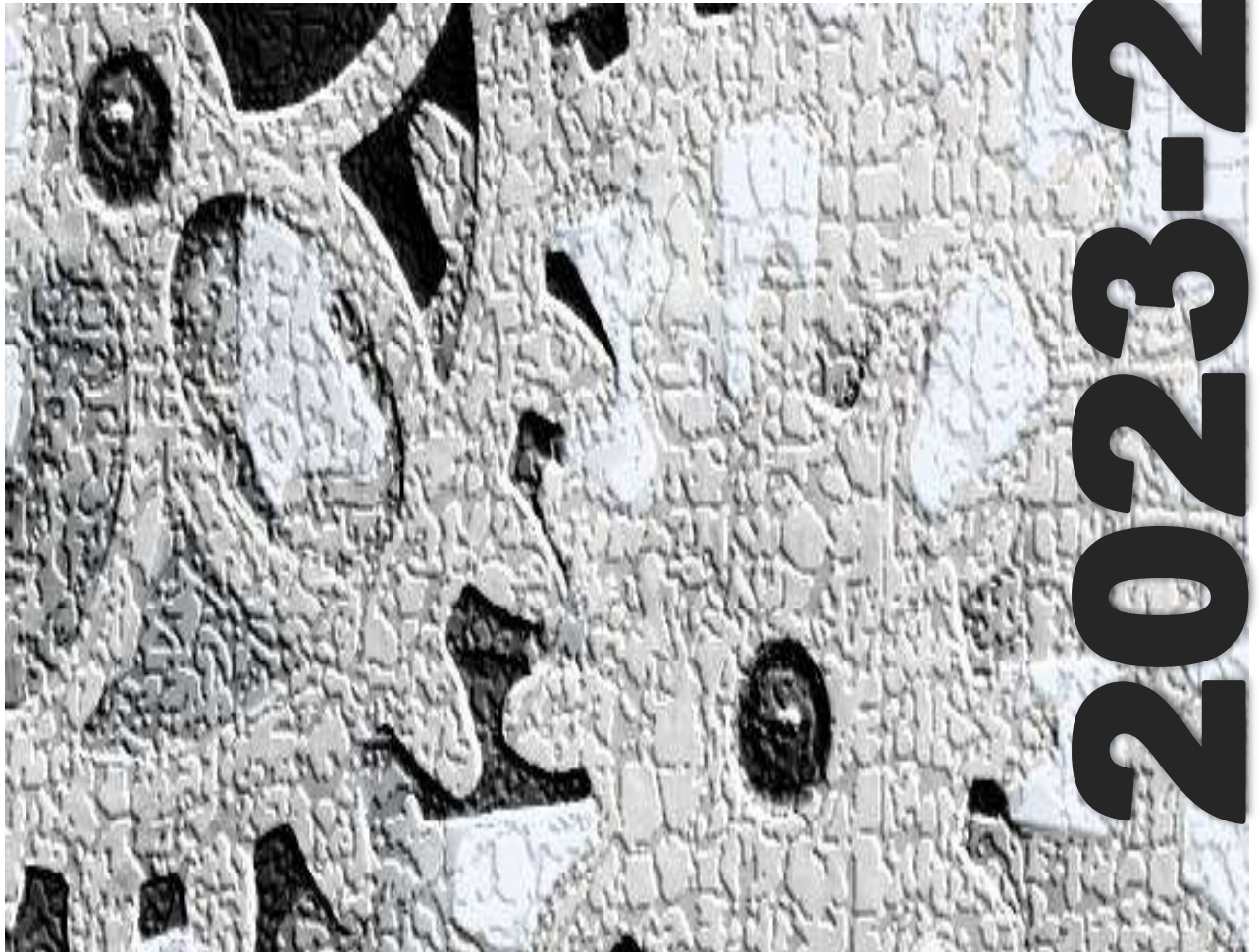


# ME-RECENT

# 2023-24



**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC NASHIK**

**PROGRAM : MECHANICAL ENGINEERING**



**SANDIP FOUNDATION'S**

**SANDIP POLYTECHNIC, NASHIK**

**PROGRAM: MECHANICAL ENGINEERING**



**SANDIP**  
FOUNDATION

### **SANDIP FOUNDATION**

#### **VISION**

- ◆ To mould our youngsters into Millennium Leaders not only in Technological and Scientific fields but also to nurture and strengthen the innate goodness and humane nature in them.
- ◆ To equip them to face the future challenges in technological breakthroughs , information explosions and deliver the bounties of frontier knowledge for the benefit of humanity in general, the downtrodden and the underprivileged in particular.

#### **MISSION**

- ◆ To build a strong Center of Excellence in Learning & Research in Engineering and Frontier Technology.
- ◆ To facilitate students to learn and imbibe discipline, culture and spirituality besides encouraging them to assimilate the latest technological knowhow.
- ◆ To render a helping hand to the underprivileged, thereby acquiring happiness and imparting the same to others without any reservation whatsoever.
- ◆ To emerge into a magnificent and mighty launching pad to turn out technological gains.

### **MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION (MSBTE)**

#### **VISION**

- ◆ To ensure that the Diploma level Technical Education constantly matches the latest requirements of Technology and industry and includes the all-round personal development of students including social concerns and to become globally competitive, technology led organization.

#### **MISSION**

- ◆ To provide high quality technical and managerial manpower, information and consultancy services to the industry and community to enable the industry and community to face the challenging technological & environmental challenges.

**SANDIP FOUNDATION'S**

**SANDIP POLYTECHNIC, NASHIK**

**PROGRAM: MECHANICAL ENGINEERING**



**SANDIP**  
FOUNDATION

## **SANDIP POLYTECHNIC, NASHIK**

### **VISION**

- ◆ To produce skilled technocrats for serving the industry, society and pursue higher education.

### **MISSION**

- ◆ 1. To provide State of the art infrastructure, qualified and competent teaching faculty.
- ◆ 2. To provide industry institute Industry-Interaction, employability enhancement and higher education.
- ◆ 3. To provide Platform for development of professional, social skill and lifelong learning.

## **PROGRAM : MECHANICAL ENGINEERING**

### **VISION**

- ◆ To develop skilled mechanical engineers to meet the needs of industry and society

### **MISSION**

- ◆ **M1:** To impart quality technical education to enhance technical knowledge, skills and higher education capabilities.
- ◆ **M2:** To depute students for in plant training through industry institute interaction to learn technology advances.
- ◆ **M3:** To develop lifelong learning and social attitude in students to serve society.

SANDIP FOUNDATION'S

**SANDIP POLYTECHNIC, NASHIK**

**PROGRAM: MECHANICAL ENGINEERING**



### PROGRAM EDUCATIONAL OBJECTIVES [PEO]

- ◆ **PEO1:** Provide socially responsible, environment friendly solutions to mechanical engineering related broad-based problems adapting professional ethics
- ◆ **PEO2:** Adapt state-of-the-art mechanical engineering broad-based technologies to work in multidisciplinary work environments.
- ◆ **PEO3:** Solve board-based problems individually and as a team member communicating effectively in the world of work.

### PROGRAM OUTCOMES [PO]

- ◆ **1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- ◆ **2. Problem analysis:** Identify and analyze well-defined engineering problems using codified standard methods.
- ◆ **3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet Specified needs.
- ◆ **4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- ◆ **5. Engineering practices for society, sustainability and environment:** Apply appropriate Technology in context of society, sustainability, environment and ethical practices.
- ◆ **6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about welldefined engineering activities.
- ◆ **7. Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.

### PROGRAM SPECIFIC OUTCOMES [PSOs]

- ◆ **1. Modern Software Usage:** Use latest Mechanical engineering related softwares for simple design, drafting, manufacturing, maintenance and documentation of mechanical engineering components and processes.
- ◆ **2. Equipment and Instruments:** Maintain equipment and instruments related to Mechanical Engineering.
- ◆ **3. Mechanical Engineering Processes:** Manage Mechanical engineering processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters. learn technology advances.

Date: 01/08/2023

**SKILL DEVELOPMENT PROGRAM**

**Name of Event** : - “Skill Development Program on Advance Excel Certification”.

**Date of Event** : - 01/08/2023 to 05/08/2023

**Resource Person** : - Mrs B. M. Rane.

**Participant** : - Second Year Mechanical Engineering

**Objectives:**

- To make students aware about Microsoft Excel.
- To make them understand the key aspects & function of MS Excel.

**Outcome:-**

“A One week Skill Development Program on Advance Excel Certification” was organized by Sandip Foundations, Sandip Polytechnic for SY Mechanical Engineering Students for **Current Academic Year 2023-24**. The motive was to create awareness among students about **Microsoft Excel** & its use in day to day life. This one Week SDP will inculcate the skill in students, of using **MS Excel** in their academics like in Micro project & in Final Year project.

Students will able to use excel for **plotting graphs, Pie charts, Bar charts, use of formulas for calculation in table**, etc.

The Inauguration of Skill Development Program was done by, felicitating the resource person Mrs B. M. Rane, by Honourable Principal P .M. Dharmadhikari Sir. In Multimedia lab & Programming Lab of Computer Department, the Sessions were carried out for whole week. This Skill Development Program was organized by HOD Prof J. R. Wadile & Academic Coordinator Prof B. J. Vispute of Mechanical Department.

**Total participants – 83 Students**



**Event Photographs: 01/08/2023**



**Inauguration of Skill Development Program**



**Felicitation of Resource Person Mrs B. M. Rane Madam By Hon Principal Sir**



**Ongoing Session of SDP of SYME Students**



Date: 05/08/2023

### Expert Talk

**Name of Event : - Expert Talk on “Environment Awareness – Zero Snake Bite Awareness Campaign”.**

**Date of Event : - 05/ 08/ 2023**

**Resource Person : - Mr. Jayesh J. Patil  
President of VJSS ( VanJeev Sanrakshan Santhan)  
Mr. Hemant Kolte  
Working Director of VJSS**

#### **Objectives:**

- To make students aware about types of snakes living in our nature.
- To create awareness, what to be done when a snake bites.
- To make students aware how to differentiate between Venomous & Non Venomous snake.
- To provide information about First Aid if Venomous Snake bites.
- 

#### **Outcome:-**

An Expert talk on “**Environment Awareness – Zero Snake Bite Awareness Campaign**” was organized by **Sandip Foundation’s, Sandip Polytechnic’s Mechanical Engineering Department** for SY & TY Students of Mechanical, Electrical & Civil Department Students. The Inauguration of the Expert Talk was done by Prof S. K. Aher Sir.



The Experts **Mr Jayesh J. Patil** started the session by explaining about types of snakes found in our Natural Habitat near us. Mr Jayesh Patil & Team explained about various **Venomous & Non Venomous snake, Similarities, how to identify snake bite, is from Venomous & Non Venomous snake along with teeth marks, like wise.**

In our nearby Natural Habitat, only 4 Poisonous snakes are found & they are,

- **Indian Spectacled Cobra**
- **Common Krait Snake**
- **Russell Viper**
- **Saw Scaled Viper**

Above stated Snakes are highly poisonous, if someone gets bitten follow First Aid Mentioned in below attached Images. They also provided information like First Aid, Do's & don't, if a venomous Snake Bites.

All the Students along with staff members were very thankful to the **Mr Jayesh J. Patil & his Team** for sharing valuable information with us, this expert session might save someone's life if accidentally gets a snake bite.

This expert Talk was organized by Mechanical Department HOD Prof J. R. Wadile & Academic Co-ordinator & Prof S K Aher. Later Session where concluded by Master Dhruv Datta, TYME Student by sharing his thought on the information he gained during this session.

**Beneficiary: SY & TY Mechanical, Electrical & Civil Department Students**

**Total participants – 150+ Students**

**Event Photographs: 05/ 08/ 2023**



**Inauguration of Expert Talk “Environment Awareness – Zero Snake Bite Awareness Campaign”**



**Ist Venomous Snake is Indian Spectacled Cobra**



**II nd Venomous Snake is Common Krait Snake**

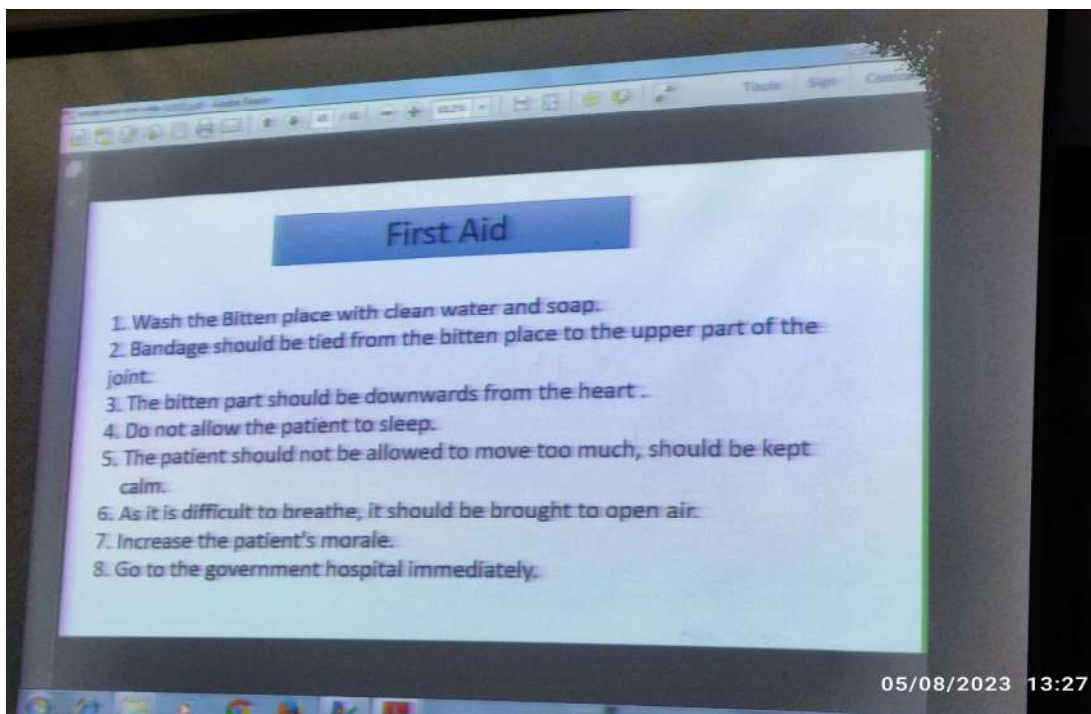


**III rd Venomous Snake is Russell Viper**





**IVth Venomous Snake is Saw Scaled Viper**



**First Aid When above said Snake Bites**





**Expert Talk**

**Name of Event** : Expert Talk on “ROAD SAFETY”.

**Date of Event** : 09/08/2023

**Resource Person** : Er. Swapnil Wakale, RTO INSPECTOR.

**Objectives:**

- To understand the importance of Road Safety.
- To understand the rules & regulation of Road Safety.

**Outcomes:**

An expert talk had been organized for the students of the Mechanical Engineering Department. Expert Swapnil Wakale sir taught the importance of Road safety, their rules, and how to take precautions like: Always wear a seatbelt; Avoid distractions; Do not cross the speed limits; Service your car regularly; Follow traffic signals; Maintain lane discipline; and be careful during bad weather. And also discuss what happens if you do not follow the rules. 1. Our carelessness on the road causes accidents and deaths. 2. The safety rules help us prevent road accidents and deaths. 3. We should never run while crossing the road. 4. It is necessary to wear a helmet while riding a two-wheeled vehicle.

**Participants-** SYME and TYME Mechanical Engineering Students.

**Expert talks Photograph:**





**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF MECHANICAL ENGINEERING  
Academic year- 2023-24

Date: 10/01/2024

**Name of Event: - “Haier Applications India Private Limited Campus Recruitment Drive”**

**Date of Event: - 10-01-2024 (02.00 To 06.00 PM)**

**Resource Person: - Prof. S. K. Aher (Mechanical Department)**

**Venue: - Mechanical Department, Sandip Polytechnic, Nashik.**

**Objectives:-**

The main objective of the "Haier Applications India Private Limited Campus Recruitment Drive" for polytechnic students is to identify and recruit skilled and motivated individuals from polytechnic institutions to contribute to the company's workforce.

**Outcomes: -**

- 1) Talent Acquisition:- Successful identification and recruitment of skilled polytechnic students, contributing to the company's workforce and ensuring a pipeline of capable professionals.
- 2) Collaborative Partnerships:-Establishment of meaningful collaborations with polytechnic institutions, fostering ongoing relationships for future talent development initiatives, projects, and knowledge exchange.
- 3) Diverse Workforce:-Enhancing diversity within Haier's workforce by providing opportunities for polytechnic students, enriching the company with a range of perspectives and skills from the polytechnic community.

**TYME Students: -**

**Photos:-**







**Expert Talk**

**Name of Event** : Expert Talk on “**Personality Development**”.

**Date of Event** : 11/08/2023

**Resource Person** :

**Dr. Mohini Gurav**

Associate Professor

Head of Department of English and Languages,  
SOET, Sandip University, Nashik.

**Objectives:**

- Identify the different tools to understand personality and how they are used.
- Describe how culture and belief system can shape and be shaped by personality.

**Outcomes:**

An expert talk had been organized for the students of the Mechanical Engineering Department. Expert Dr. Mohini Gurav madam explained the importance of personality development and their Personality development helps you gain recognition and acceptance from society as well as from the people around you. Personality development plays an essential role not only in an individual's professional but also personal lives. It makes an individual disciplined, punctual, and an asset for his or her organization. Madam had talked about some points which describe our personality like Manage stress, Resolve conflict, Improve time management, Listen actively, and Make better decisions, Develop emotional intelligence, Develop a reading habit, Express empathy, Improve public speaking skills.

Participants- SYME and TYME Mechanical Engineering Students.

**Expert talks Photograph:**



Date: 14/08/2023

### Expert Talk

**Name of Event** : Expert Talk on “**Opportunities & Prospects in Space Technology**”.

**Date of Event** : 14/08/2023

**Resource Person** : **Er. Mrs. Apurva Jakhadi**  
NASA-Honeywell Space Educator & ISRO Space Tutor

#### **Objectives:**

- To know the Opportunities in Space Technology.
- How to contribute ourselves to developing our Nation.

#### **Outcomes:**

An expert talk had been organized for the students of Sandip Polytechnic, Nashik. Expert Apurva Jakhadi madam had talked about the achievements of India in space technology. Discuss all Chandrarayan missions and future Opportunities in spacecraft, as well as the prospects for Indian space technology. Motivate students to show an interest in space technology and research work. She told the students ISRO is the 6<sup>th</sup> largest space agency in the world and has an exceptional success rate. With over 400 private space companies, India ranks fifth globally in the number of space companies.

**Participants:** The Students of Sandip Polytechnic, Nashik.

#### **Expert talks Photograph:**









**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF MECHANICAL ENGINEERING  
Academic year- 2023-24

Date: 15/09/2023

**Name of Event: - “Explore Yourself”**

**Date of Event: - 15-09-2023 (02.00 To 03.00 PM)**

**Resource Person: - Mr. Vaibhav P. Khairnar (Incubator Manager- Sandip-TBI)**

**Venue: - Sandip Polytechnic, Nashik**

**Objectives:-**

**Its main objective is to encourage self-discovery and personal growth among attendees.**

**Outcomes: -**

- 1) Students can gain a better understanding of their strengths, weaknesses, interests, and personal values.
- 2) Through self-reflection, students may identify effective study strategies that align with their learning style, leading to better academic performance.
- 3) Techniques for managing stress and anxiety can be especially valuable for students, helping them cope with the pressures of coursework and exams.
- 4) The event can help students explore their interests and talents, leading to greater clarity about potential career paths and majors.

**FYME, SYME & TYME Students:-**

**Photos:-**







**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF MECHANICAL ENGINEERING  
Academic year- 2023-24

Date: 15/09/2023

**Name of Event: - “YUKTI-Innovative Idea Challenge Competition”**

**Date of Event: - 15-09-2023 (01.00 to 02.00 PM)**

**Resource Person: - Mr. Vaibhav P. Khairnar (Incubator Manager- Sandip-TBI)**

**Venue: - Sandip Polytechnic, Nashik**

**Objectives:-**

**Its main objective is to present new innovative technical ideas in engineering field.**

**Outcomes: -**

- 1) Highlighted the remarkable talents and creative thinking of the students.
- 2) Setting a promising trajectory for future endeavors in the field of engineering.
- 3) Allowed students to engage with various engineering disciplines and gain valuable insights into their passions.

**FYME, SYME & TYME Students:-**

**Photos:-**









**SANDIP FOUNDATION'S**  
**SANDIP POLYTECHNIC, NASHIK**  
DEPARTMENT OF MECHANICAL ENGINEERING  
Academic year- 2023-24

Date: 16/09/2023

**Name of Event: - “Parents Meet”**

**Date of Event: - 16-09-2023 (01.00 To 03.00 PM)**

**Resource Person: -**

**Venue: - Sandip Polytechnic, Nashik**

**Objectives:-**

**Its main objective is to establish a strong connection between the institution, faculty, and parents, fostering a supportive learning environment for the students.**

**Outcomes: -**

- 1) Parents had the opportunity to discuss their child's academic progress, strengths, and areas requiring improvement.
- 2) Parents were updated on their child's academic performance, including grades, attendance, and extracurricular activities.
- 3) The Parents Meet served as a catalyst for increased parental involvement in the educational journey of their children.

**SYME & TYME Students: -**

**Photos:-**





Date: 21.07.2023

**VISION AND MISSION OF THE PROGRAM**

**VISION**

Excel in the field of mechanical engineering to seek industry job, contribute to society and pursue higher education.

**MISSION**

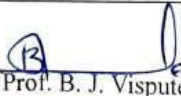
- M1:** To impart quality technical education to enhance technical knowledge and skills.  
**M2:** To depute students for in plant training through industry institute interaction to learn technology advances.  
**M3:** To develop lifelong learning and social attitude in students to serve society.

**Student Induction Program**

**24<sup>th</sup> July 2023**

**AGENDA**

Activity	Time	Name of Faculty/Staff
Inauguration, Felicitation of toppers Address by Hon. Principal.	10.00 am to 10.30am	Prof. R. T. Bhole
Orientation of Mechanical Program	10.30 am to 11.00am	Prof. J. R. Wadile
Vision and Mission of the Program	11.00 am to 11.30 am	Prof. T. C. Jagtap
Academic activities and practices	11.30 am to 12.00 am	Prof. B. J. Vispute
<b>LUNCH BREAK 12.00 pm to 01.00 pm</b>		
Industrial Visits, Talks and ITR	01.00 pm to 01.30 pm	Prof. S. K. Aher
Workshop, Labs and safety aspects	01.30 pm to 02.00 pm	Prof. M. V. Thorat
Mentor system at Program	02.00 pm to 02.30 pm	Prof. D. K. patil
Library Facility	02.30 pm to 02.45 pm	Mr. R. M. Burkule
Sport & IEDSSA	02.45 pm to 03.00 pm	Dr. Paresh Rege
<b>SHORT BREAK 03.00 pm to 03.10 pm</b>		
ERP admission process and facilities	03.10 pm to 03.30 pm	Mrs. Varsha Patil
Scholarships	03.30 pm to 03.50 pm	Mr. Vishal Patil
Motivational Video for all	03.50 pm to 05.00 pm	Prof. P. C. Chandhari

  
Prof. B. J. Vispute  
NBA & Academic Coordinator

  
Prof. J. R. Wadile  
HOD. ME.

  
Prof. Pankaj M. Dharmadhikari  
Principal SP





Date: 24/07/2023

## INDUCTION PROGRAM

**Name of Event:** - “Induction Program for all Mechanical Engineering Students for Academic Year 2023-24 Odd Semester”.

**Date of Event** :- 24/07/2023

**Participant** :- Mechanical Engineering Students:- SYME & TYME Students

### **Objectives:**

- To make students aware about Teaching Schemes of Odd Semester for current AY 2023-24
- To create awareness about ERP System & its uses.
- To make students aware about various activities that are carried out throughout the year
- To give information about Labs, Workshops, Industrial Visits, Expert Talks & ITR

### **Outcome:-**

“Induction Program” was organized by Sandip Foundations, Sandip Polytechnic for all Mechanical Engineering Students for **Current Academic Year 2023-24**. The motive was to create awareness among students about what is in Mechanical Branch for newly admitted students? What are academic activities that are being carried out throughout the year? How to take ERP Admission? How to apply for bonafide certificate using ERP System. How to fill scholarship form, Exam form?

The Inauguration of Induction Program was done By Saraswati Pujan by Honorable Principal P .M. Dharmadhikari , HOD Prof J. R. Wadile, Academic Coordinator Prof B. J. Vispute.

Further Principal Sir addressed students on Induction Program & explained the benefits of induction & orientation program. Later Session where conducted as per Schedule & program was concluded.



**Beneficiary: SY & TY Mechanical Students**

**Total participants – 83 Students**

**Event Photographs: 24/07/2023**



**Inauguration of Induction Program**



**Saraswati Pujan By Principal Sir**



**Saraswati Pujan By TPO S K Aher Sir**



**Saraswati Pujan By D K Patil Sir**



**Felicitation of Toppers**



**Session of Orientation of Mechanical Program**