

ACADEMIC  
EVENTS

2023-24

# NEWSLETTER



## INFORMATION TECHNOLOGY

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**NEW SATARA  
COLLEGE OF  
ENGINEERING AND  
MANAGEMENT (POLY)  
KORTI,  
PANDHARPUR**

**VOL 3**

**ISSUE I**

# Principal Desk



**Prof . V . H . Londhe  
( Principal )  
New Satara College of Engineering &  
Management (Poly)  
Korti, Pandharpur**

In our fast-paced world, a nation's success is closely tied to its industrial growth. Globalization has become essential for countries to thrive. Today, people expect quality work in every field. To navigate this modern technological revolution, individuals must prepare carefully, with courage and a positive mindset. Industrial development has emerged as a pressing need, characterized by skilled workforce, adoption of modern technology, and effective implementation of these skills. At New Satara Polytechnic, we recognize this contemporary requirement and focus on producing world-class technicians equipped with competent skills across various technologies to serve society. Every effort at our institution is directed towards achieving this overarching goal.

Our skilled faculty are our greatest strength. Each member of our team is deeply passionate about achieving our shared goals. We consistently motivate our faculty to actively engage in our mission, Surrounded by the soothing embrace of nature within the pleasant environment of New Satara Polytechnic. Our co-curricular and extra-curricular activities are designed to spark the curiosity of our young minds, encouraging them to explore new dimensions of life and innovate in their respective fields. At New Satara Polytechnic, we encourage our students to be problem-solvers rather than dwell on problems. They are given opportunities to work on mini and micro projects, allowing them to apply their knowledge practically and showcase their creativity. To enhance our students' employability, we have introduced and effectively implemented Skills Development Programs within our institute.

In today's highly competitive global market shaped by globalization, liberalization, and privatization, practical knowledge is essential. We ensure our students are industry-ready by imparting practical skills and instilling in them the confidence to navigate and excel in the competitive world. We invite you to experience the vibrant learning environment at New Satara Polytechnic, where you can rejuvenate your mind and intellect.

## INSTITUTE VISION

To become leading institute for imparting technical education in rural areas for fulfilling needs of industry and society

## INSTITUTE MISSION

- To enhance the technical knowledge of students by practical based education.
  - To strive for good academic results and placement of diploma graduates.
- To facilitate infrastructure for development of professional skills of students.



HOD's Desk

## EDITION

May 2023 - Dec 2023

## EDITORIAL BOARD

**Editor in Chief**  
**Mr. Vikram Londhe**

**Editor**  
**Ms. Hande P.N.**

## INSIDE

- Expert Lectures
- Industrial Visit
- Sport Activities
- Cultural Activities
- Faculty Achievements
- Student Achievement
- Editor Desk

**Mr. Kamble K.S.**

**Head Of Information Technology**

It is with great pleasure that I present the first issue of Volume 3, highlighting the academic milestones and technical advancements achieved from May 2023 to December 2023. This semester emphasized skill development, innovation, and industry readiness, ensuring that our students are well-prepared for the dynamic IT landscape.

Our department organized expert lectures, hands-on technical workshops, and industrial visits that enhanced students' theoretical understanding and provided them with real-world exposure. These experiences played a crucial role in shaping their problem-solving skills and technical expertise.

Additionally, students actively participated in sports events, demonstrating teamwork, discipline, and perseverance. Holistic development is a key aspect of our curriculum, and such extracurricular activities contribute significantly to students' overall growth.

I sincerely appreciate the contributions of faculty, students, and event organizers who made this semester enriching and successful. Let us continue to explore, innovate, and excel in our academic journey.

Ms. K.S. Kamble  
Head of Department  
Diploma in Information Technology

### VISION

“Empowering students with quality education and professional skills in information technology, fostering teamwork & professionalism to serve rural communities.

### MISSION

- To provide platform to students towards attaining quality education in information technology.
- To improve the professional skills of students by imparting advance training in education.
- To generate team work & professionalism among the students concern with rural area.

# STAFF PROFILE

(AY 2023-2024)

## Information Technology



### HOD

**Name :** K.S. Kamble  
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## Expert Lectures

Program Details	Date-Month-Year	Resource Person / Name of Industry with Designation
Arranged a guest lecture on Digital Techniques & Microprocessor	05 Oct 2023	Mr. Shinde G. N, Senior Lecturer, Fabtech college of engineering, Sangola,
Arranged a guest lecture on Cyber Security Awareness	30 Oct 2023	Ms. Shinde P.S, Expert Lecturer, Punyashlok Ahilyadevi Holkar, Solapur university

Attention span and the way of grasping knowledge for students have also been changing for some time now. One of the most effective and evergreen methods in Education Institutions is Expert lectures



**Expert Lecture by Mr. Shinde G. N, Senior Lecturer, Fabtech college of engineering, Sangola, on "Digital Techniques & Microprocessor" on date 05-10-2023**

The Information Technology Department recently organized an insightful expert lecture on "Digital Techniques & Microprocessors." The session was conducted by Mr. Shinde G. N., a Senior Lecturer from Fabtech College of Engineering, Sangola, and was attended by our second-year students.

During the lecture, Mr. Shinde provided a comprehensive overview of Number Systems and Codes, essential for understanding digital computations and data representation. He explained the significance of Boolean Algebra in logic circuit design and demonstrated how Boolean expressions can be used to simplify complex logic circuits, a fundamental concept in digital electronics.

Moving forward, he introduced students to combinational and sequential circuits, elaborating on their applications in modern digital systems. The session also covered microprocessor architecture, where he explained the internal workings, instruction sets, and processing capabilities of microprocessors, emphasizing their role in computing and embedded systems.



**Expert Lecture by Ms. Shinde P.S, Expert Lecturer, Punyashlok Ahilyadevi Holkar, Solapur university, on "Cyber Security Awareness" on date 30-10-2023**

The Information Technology Department recently hosted an expert lecture on "Cyber Security Awareness" for third-year students. The session was led by Ms. Shinde P.S., a renowned expert lecturer from Punyashlok Ahilyadevi Holkar, Solapur, and was successfully organized by Ms. Sugandhi P.S.

In this highly informative session, Ms. Shinde emphasized the critical importance of cyber security in today's interconnected digital landscape. She elaborated on the various forms of cybercrime, including phishing, ransomware attacks, identity theft, and online fraud, highlighting the increasing risks faced by individuals and organizations alike.

Students gained valuable insights into best practices for safeguarding personal and sensitive information, such as using strong passwords, enabling two-factor authentication, and recognizing potential threats in emails and social media interactions. Ms. Shinde also demonstrated real-world case studies of cyber-attacks, helping students understand the impact of security breaches and the importance of proactive measures.

## Industrial Visits

Program Details	Date-Month-Year	Name of Industry
Visit to Mauli online PUC center, Pandharpur,	22 Sept 2023	Mauli online PUC center, Pandharpur,
Visit to Rajvi Tech Study VR & augmented Technique	29 October 2023	Rajvi Tech Pvt.Ltd ,Pune

During the Industrial Visits, students get to learn how professionals perform at work and they implement certain industry-specific concepts such as Problem analysis, current advance technologies, Quality assurance, Development, etc.

### Industrial Visit to Mauli online PUC center, Pandharpur, on date 22-09-2023



### The Information Technology Department recently organized an industrial visit to the Mauli Online PUC Center in Pandharpur.

The Information Technology Department recently organized an industrial visit to the Mauli Online PUC Center in Pandharpur. This visit served as an enriching experience for our students, offering them practical exposure to the real-world applications of technology in environmental monitoring and regulatory compliance.

During the visit, students were given a comprehensive tour of the facility, where they observed firsthand how online Pollution Under Control (PUC) processes are managed using advanced computerized systems. Experts at the center explained the step-by-step procedure involved in vehicle emission testing, showcasing how software-driven analysis tools are used to assess pollution levels accurately.

The session provided students with valuable insights into the technological infrastructure that supports the center's operations, including database management systems, cloud-based reporting, and sensor-based data acquisition.

### Industrial Visit to Rajvi Tech Pvt.Ltd on date 29-10-2023



### The Information Technology Department organized an industrial visit to "Rajvi Tech" on 29 oct 2023

The Information Technology Department organized an industrial visit to Rajvi Tech on 29th October 2023 for third-year students, focusing on the study of Virtual Reality (VR) and Augmented Reality (AR) techniques. This visit aimed to provide students with hands-on exposure to these cutting-edge technologies that are transforming digital experiences across various domains.

During the visit, students were introduced to the fundamentals of VR and AR, gaining insights into their working principles, applications, and impact on different industries, including gaming, healthcare, education, architecture, and manufacturing. Experts at Rajvi Tech elaborated on the key components of VR and AR systems, such as head-mounted displays (HMDs), motion tracking sensors, 3D modeling software, and real-time rendering engines.

Students witnessed live demonstrations of VR and AR applications, showcasing their role in creating interactive and immersive user experiences. The professionals explained the difference between VR and AR, illustrating how VR immerses users in a completely virtual environment, while AR overlays digital elements onto the real world.

## Personality Development Program



Topic	Date	Name Of Resource Person
Communication Skills	22 OCT 2023	Miss.B.B.Phadte Trainer Rubicon Softs skills development pvt.ltd, Vimannagar Pune
Communication Skills	23 OCT 2023	Mr.Kumud L. Lagade Trainer Rubicon Softs skills development pvt.ltd, Vimannagar Pune
Communication Skills	24 OCT 2023	Mrs.Pratibha D. Tripathi Trainer Rubicon Softs skills development pvt.ltd, Vimannagar Pune

### Personality Development Program: Enhancing Professional Growth

The Information Technology Department successfully organized a Personality Development Program aimed at refining students' soft skills, communication abilities, and self-confidence. The program focused on key aspects such as leadership, teamwork, time management, and effective communication, equipping students with essential skills for both academic excellence and professional growth.

The session featured interactive activities like group discussions, mock interviews, and confidence-building exercises, providing students with hands-on experience in self-presentation and professional etiquette. Industry experts shared valuable insights, making the sessions engaging, practical, and impactful.

The event received an overwhelming response, with students actively participating and demonstrating significant improvements in their communication skills and professional mindset. This initiative played a crucial role in preparing them for future career opportunities, ensuring they step into the professional world with confidence and competence.



New Satara College recently organized an exciting volleyball tournament, bringing together students from various departments to showcase their athletic skills and team spirit. The event, held on the college grounds, was a vibrant display of energy, enthusiasm, and camaraderie.



New Satara College recently hosted a thrilling Kho-Kho tournament, bringing together students for a day of intense competition and fun. The event, held on the college grounds, highlighted the traditional Indian sport, which requires not only physical agility but also quick thinking and teamwork.



New Satara College recently organized an exhilarating Kabaddi tournament, showcasing the excitement and energy of this traditional sport. Held on the college grounds, the event brought students together for a day of competitive play and enthusiastic support.

### SY IF Toppers

1	<b>DESHMUKH DNYANESHWARI DATTATRAY</b>	<b>86.00%</b>
2	<b>SAGAR SHUBHAM PRAVIN</b>	<b>85.50%</b>
3	<b>KOLI VIVEK MOHAN</b>	<b>84.75%</b>

### TY IF Toppers

1	<b>NARALE PRATHAMESH VIJAY</b>	<b>86.94%</b>
2	<b>TAKMOGE ADARSH PRAKASH</b>	<b>85.88%</b>
3	<b>KULKARNI CHAITANYA UMESH</b>	<b>84.94%</b>

- 1) Narale Prathmesh, Sagar Subham, Sawant Saurabh, Lohar Shruvan, Viraj Pardeshi, Sahil Mulani own Zonal level Runner up prize in Cricket held at SVERI's COE, Pandharpur.
- 2) Mr. Shingade Dhanaraj Ganesh winner in Inter college Badminton Competition
- 3) Mr. Nalawade Om Amol Winner in Inter College Chess Competition

## Editor's Desk



**Ms. Hande P.N.**

**Lecturer in Computer  
Engineering Department**

Dear Regards,

It is with great pleasure that we present the latest edition of our department newsletter. This edition is a comprehensive showcase of the dynamic activities within our department, including technical innovations, cultural events, Training and Placement Office (TPO) updates, insightful technical articles contributed by our faculty, and the remarkable achievements of both our faculty and students.

We have strived to make this newsletter a reflection of the vibrant academic and extracurricular life within our department. It is our hope that the content will not only inform but also inspire continued excellence among our readers.

We warmly welcome your feedback and suggestions, as they are invaluable in helping us improve and enhance our future editions. Your input will guide us in making this newsletter an even more effective platform for sharing knowledge and celebrating our community's accomplishments.

I would like to express my heartfelt gratitude to Hon'ble Shri. Rajaram Nikam Sir, President of New Satara Samuh, Mumbai, and Shri. V. H. Londhe, Principal, for their invaluable guidance and unwavering support. Their leadership continues to be a source of inspiration as we strive for excellence in all our endeavors.