

ACADEMIC
EVENTS

2023-24

NEWSLETTER



COMPUTER ENGINEERING

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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.



Mr. S.B.Puri
Head Of Computer Department

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

It is my pleasure to present the first issue of Volume 3 of our Diploma in Computer Engineering newsletter, showcasing the academic, technical, and curriculum milestones achieved during May 2023 – December 2023. This newsletter serves as a testament to the collective efforts of our students and faculty in pursuing knowledge, innovation, and overall development throughout the semester.

This semester was filled with enriching experiences, including expert lectures, hands-on workshops, and industrial visits, all aimed at strengthening students' technical skills and industry readiness. These initiatives not only enhanced students' theoretical understanding but also provided them with practical exposure to real-world industry applications and emerging technologies. Through collaborative learning and technical events, students had the opportunity to interact with industry professionals and gain valuable insights into the latest trends in computing and IT.

Additionally, our college successfully organized various sports activities, encouraging students to develop teamwork, discipline, and a spirit of healthy competition. These events played a crucial role in promoting holistic development, emphasizing the importance of physical fitness and mental well-being alongside technical education. The enthusiasm and dedication displayed by students in both academic and extracurricular pursuits have been truly commendable.

I sincerely appreciate the efforts of our faculty members, students, and event organizers who contributed to making this semester a productive, engaging, and inspiring one. As we continue this journey of learning and growth, I encourage all students to remain curious, innovative, and proactive in embracing new opportunities that will shape their future in the field of Computer Engineering.

[Mr. Puri S.B.]
Head of Department
Diploma in Computer Engineering

VISION

“To become a center of excellence in computer engineering fields to impart technical education in rural area.”

MISSION

- To provide practical oriented technical education to the students to enhance skill in designing, developing & testing software.
- To provide exposure to the student about latest technology in the area of information technology by various training program to enhance students competative skills.
- To generate teamwork and professionalism among the student

STAFF PROFILE

(AY 2023-2024)

COMPUTER ENGINEERING



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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 Computer Engineering 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 Computer Engineering 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 Computer Engineering Department recently organized an industrial visit to the Mauli Online PUC Center in Pandharpur.

The Computer Engineering 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 Computer Engineering Department organized an industrial visit to "Rajvi Tech" on 29 oct 2023

The Computer Engineering 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 Computer Engineering 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 CO Toppers

1	KALAGATE VAISHNAVI VIJAY	87.87%
2	DHERE AASTHA AUDUMBAR	87.73%
3	CHAVAN POOJA SHASHIKANT	86.67%

TY CO Toppers

1	DOKE SWAPNALI MOHAN	90.78%
2	SAKATE PRANITA MALHARI	86.67%
3	GUND PRAJAKTA BABASAHEB	83.22%

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.