



VOICES



VOLUME NO.02 | ISSUE NO.4 | APR. 24

E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, NASHIK

Maha-Fest 2024' boosted research attitude of students Creative and innovative students honored in the competition



Vision

“Mahavir Education Society strives to educate students to become Industry Ready Engineers having Professional Attitude and Groomed Personality.”

Mission

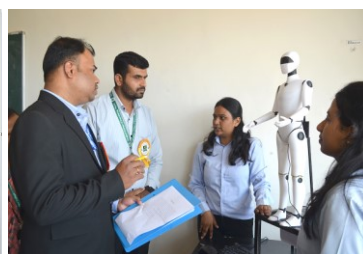
To provide well-defined system to ensure quality education by strengthening teaching learning processes.

To provide a platform where students are exposed to the industry, up bridged with the industry standards and requirements.

To train students by teaching them leadership and teamwork skills.

To groom students enriching their personality and social values

In line with the mission to promote the research attitude of students and make innovations in the field of engineering accessible to the general public, 'Maha-Fest - 2024', a technology based project, paper presentation, bridge making and poster making competition was recently organized at Shri Mahavir Education Society's, Sanghavi College of Engineering. Various latest technology themes like 5G Wireless Technology, Artificial Intelligence Application in Power Station, Medical Uses of Nano Technologies, Air Pollution Monitor, and Night Vision Technology were included in this competition. The competition was open to all diploma and engineering college students in Maharashtra, for all branches of engineering. The competition was inaugurated by the Director of Shree Mahavir Education Society Dr. Priyanka Zawar performed Saraswati Pujan, lighting the lamp and then cutting the ribbon. Principal Dr. Bajirao Shirole Sanghvi College of Engineering, Secretary of the competition Dr. Mahendra Jagtap, entrepreneur Umesh Suryavanshi, Vishal Chaudhary, Shaibaz Sheikh, Devendra Deshmukh, Anirudh More, Sachin Patil, Sunil Sonawane, Sachin Narander, Nilesh Patil, Pramod Pandit, Kanchan Bhore, Kiran Kulthe etc. were present on the dias. . The work of encouraging the students to do new research is done by the Principal Dr. Bajirao Shirole and Shri. Sandeep Kotwal gave a thorough guidance to the students on this occasion.



Words of Wisdom

Change your thoughts and you change your world.

NORMAN VINCENT

Empowering Innovation: Maha-Fest 2024 at SCOE



'Maha-Fest – 2024' - Students were facilitated by the Director Dr. Priyanka Zavar and chief guests with prizes and certificates. In the project competition, Anand Dhodmani and Kunal Patil students of Shatabdi College were awarded the first prize for their project Super Capacitor Base Train Transistor System while Moksh Kanthalia and Vinayak Pagar's research project Face Recognition Attendance of Sanghavi College of Engineering was awarded the second prize. Ashish Dhongde and team of Sanghavi College of Engineering won the first prize and Om Shewale and team of KBT College of Engineering won the second prize in the paper presentation competition. In the bridge making competition, students Rahul Hanwate and Shreyash Mhaske of Guru Gobind Singh College won the first prize and Shivaji Chavan and Om Vasane of Mahavir Polytechnic won the second prize. In the poster making competition, Tejaswini Patil, a student of SCOE, got the first prize and Pratik Pagar and team got the second prize. 310 students were registered in this project competition. Students Arya Suenkar and Niranjana Kulkarni expressed their views enthusiasm feedback about the competition on the platform. Students Khushi Gujarathi, Jagruti Behere and Samriddhi Gorhe anchored the program while Dr. Mahendra Jagtap given the vote of thanks. . Mahavir Education Society's Chairman Shri. Harish Sanghavi & Managing Trustee Shri. Rahul Sanghavi has expressed their satisfaction for the successful organization of the competition. For the competition, Prof. Sandeep Jadhav, Prof. Hemant Pawar, Prof. Vaishali Khairnar, Prof. Yogesh Khairnar and students Piyush Kale and Samriddhi Gorhe, Partha Nikam, Rutika Wadge, Iswari Jadhav, Ghansham Kadam, Yash Savkar and Shiva Sathe worked as coordinators. Head of the department Prof. Navnath Palde, Prof. Puspendu Biswas, Prof. Pravin Renuke, Prof. Toshnil Boraste and Prof. Rahul Bankar worked as advisors for the competition.



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Mahavir Polytechnic Students Develop Innovative 'Hand Rhythm Gaming Hub' Game"



Students of Mahavir Polytechnic, currently pursuing their third year diploma in computer engineering, have successfully developed a new game called 'Hand Rhythm Gaming Hub.' Led by students Priyanka Vadge, Dhanashri Jadhav, Gaurav Borse, and Aniket Kor, under the expert guidance of Prof. Gauri Sonawane, the game is currently available for PC and efforts are underway to launch it as a mobile app.

The unique feature of the game is its focus on encouraging players to engage in physical activity while gaming. By incorporating hand movements into gameplay, players can enjoy the game while also getting some exercise. To develop the game, the students utilized various technologies including OpenCV, Mojo, TK Editor, and Python libraries. One of the key aspects of the game is its effective use of the camera and gesture coordination, primarily achieved through Python libraries. Designed with children in mind, the game provides an entertaining experience that combines hand movements with rhythm-based gameplay.

HOD Prof. Anup Sonawane and Prof. Gauri Sonawane provided valuable guidance and support to the students throughout the development process, ensuring the success of the project. With their innovative approach and dedication, the students have created a game that promises to provide both entertainment and health benefits to its players. Principal Dr. Sambhaji Sagare, Director of the Society Dr. Priyanka Zavar, and the management congratulated the students for their achievement.

Words of Wisdom

"To win big, you sometimes have to take big risks."

— Bill Gates



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SCOE Organizes Industrial Visit to Traction Motor Workshop



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Words of Wisdom

"निंदेला घाबरून आपल ध्येय सोडू नका कारण ध्येय साध्य होताच निंदा करणाऱ्यांची मत बदलतात."



To provide students with real-world exposure and practical insights into the field of electrical engineering, SCOE organized an industrial visit to the Traction Motor Workshop today. The visit was specifically arranged for second-year students pursuing Electrical Engineering. Led by the Department of Electrical Engineering, the visit aimed to familiarize students with the design and maintenance of electrical machine motors, focusing particularly on those utilized by the Indian Railways. The objective of the visit was twofold: firstly, to deepen students understanding



-of the intricate workings of traction motors, and secondly, to expose them to the maintenance procedures crucial for ensuring optimal performance. During the visit, students were introduced to the fundamental design principles governing traction motors, providing them with insights into their construction, components, and functionalities. Moreover, they had the opportunity to observe firsthand the maintenance procedures essential for sustaining the longevity and efficiency of these motors. The visit received positive feedback from the participating students, who appreciated the opportunity to bridge the gap between theory and practice.

Prof. Bankar Appointed as Paper Setter & Examiner by SPPU



Prof. Rahul S. Bankar

HOD.

Electrical Engineering g. Dept.

The Head of the Electrical Engineering Department at SCOE, Prof. Rahul S. Bankar, has been appointed as a Paper Setter and Examiner for the BE 2019 Pattern (End Sem) examination. This prestigious appointment, bestowed upon him by the Director of the Board of Examination and Evaluation of Savitribai Phule Pune University, Pune, is a testament to Prof. Bankar's expertise and dedication in the field of Electrical Engineering.

Prof. Bankar's appointment specifically pertains to the Electrical Engineering Theory Subject for the AI and ML Open Elective papers in the VI and VIII semesters. This role underscores his proficiency in the subject matter and his ability to contribute significantly to the academic evaluation process at the university level. Dr. Priyanka Zavar, Director of Mahavir Education Society, along with the management and staff of Shree Mahavir Education Society and Sanghavi College of Engineering, extend heartfelt congratulations to Prof. Rahul Bankar for this remarkable achievement. His appointment not only brings honor to SCOE but also reflects the institution's commitment to academic excellence and leadership in the field of engineering education.

Civil Engineering Students Explore Structural Design at Construction Site



The Department of Civil Engineering of SCOE,, organized a one-day educational visit to Indra-Kailash Apartment, Omkar Nagar, Peth Road, Nashik on April 2nd, 2024. The visit was tailored to the syllabus requirements of Structural Design-II, in accordance with Pune University guidelines and recommendations. Under the guidance of Mr. Vilas Matala, owner of Laxmi Buildcon, Nashik, and the visit provided valuable insights into the practical aspects of structural design. T.E. Civil engineering students gained hands-on experience in understanding the placement and detailing of steel reinforcement on-site, aligning with the theoretical concepts learned in the classroom. During the visit, students observed and analyzed the arrangement of reinforcement in various structural elements such as slabs, columns,



-beams, and staircases. This real-world exposure allowed them to deepen their understanding of structural design principles and their application in construction projects. The visit was coordinated by Prof. Nilesh Shewale, with the dedicated efforts of HOD Prof. Toshnil Boraste ensuring its success.

Students Gain Industry Insights at Banganga Paper Mills Limited



In a bid to deepen their practical understanding and industry exposure, second-year students of Mechanical Engineering from SCOE recently embarked on an enlightening educational visit to Banganga Paper Mills Limited. Situated amidst the scenic surroundings of Ramshej (Ashewadi), Tal Dindori, Nashik, the paper mill provided students with a firsthand glimpse into the intricate processes involved in paper manufacturing. Accompanied by faculty members, the enthusiastic group of students explored the premises of Banganga Paper Mills Limited, located at Gate No. 186, Gawalwadi Road. The company specializes in the manufacturing, importing, exporting, processing, and distribution of various paper and pulp products, including writing paper, printing paper, tissue paper, cardboard, fibreboard, and more. The visit culminated in a lively discussion session, where students had the opportunity to interact with industry experts, posing questions and sharing insights. It was evident that the experience left a profound impact on the young minds, igniting their curiosity and motivation to pursue career paths within the realm of Mechanical Engineering. Professor Gaurav Khairnar played a pivotal role in organizing the industrial visit, aiming to bridge the gap between theoretical knowledge and practical application.





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Students Explore Geotechnical Engineering at Gargoti Museum Visit



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The Civil Engineering Department of Mahavir Polytechnic in Nashik recently organized a field trip to the renowned Gargoti Museum in Sinner, Nashik, for second and third-year students. Led by Prof. Madhuri Bagul and Prof. S.C. Wagh, the visit aimed to delve into the realm of Geotechnical Engineering and provide students with valuable insights into various types of rocks. Situated on the Nashik-Shirdi highway, approximately 32 km from Nashik, the Gargoti Museum boasts the world's largest and finest collection of Indian zeolite minerals and crystals. Divided into two galleries - the Deccan Plateau Gallery and the Prestiae Gallery - the museum spans two floors



and offers a vast array of minerals, crystals, fossils, statues, and handicrafts. Students had the opportunity to explore exhibits showcasing natural crystals, zeolites, minerals, gemstones, precious and semi-precious metals, fossils, and more. The visit served as an enriching experience for students, allowing them to deepen their understanding of Geotechnical Engineering through practical observation and engagement with geological specimens. Overall, the trip to Gargoti Museum provided students with a unique learning opportunity, enhancing their knowledge and appreciation of the diverse facets of Civil Engineering.

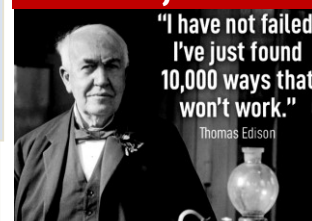
Students Explore the Inner Workings of a Power Substation



The Electrical Department recently organized a study visit for second and third-year students to the 132KV substation located at Mhasrul Gaon, Nashik. This ISO Certified substation in Nashik served as a valuable learning ground for the students. The objective of the visit was to study

and assess the overall operational status of the substation, including the functioning of transformers, circuit breakers, switches, and other equipment. By doing so, students gained insights into the reliability and efficiency of power transmission and distribution systems. Additionally, the visit aimed to evaluate safety protocols and equipment to ensure compliance with industry standards and regulations. This involved checking protective devices, grounding systems, & signage to minimize risks to personnel & the surrounding environment. The visit was coordinated by Prof. Shivam Mandlik, with guidance provided by Ms. D.S. Dawange and Ms. V.R. Jadhav from the substation. Their expertise helped students delve into the intricacies of substation operations & safety measures, enriching their understanding of electrical engineering principles in real-world applications.

Words of Wisdom



Kindness and Compassion of 'Mahavir' Students

Mahavir Polytechnic Students Embrace Compassion and Empathy through Jain Gurukul Visit"



The Civil Engineering Department of Mahavir Polytechnic recently organized a visit to Jain Gurukul (Vasatigruh) in Tawali Phata, Makhmalabad, Nashik. The purpose of the visit was to engage SY and TY students in social activities and impart valuable lessons in compassion and empathy. Jain Gurukul (Vasatigruh) serves as a residential facility for underprivileged children, providing them with shelter, education, and care in a nurturing environment. Nestled amidst serene surroundings, the Gurukul fosters the holistic development of its residents. During the visit, Mahavir Polytechnic students were warmly welcomed by the staff and children of Jain Gurukul. They engaged in various activities aimed at supporting the orphaned students, including providing food facilities and stationary supplies.

The visit proved to be a meaningful and enriching experience for the students, allowing them to step out of their comfort zones and actively participate in social initiatives. It provided them with firsthand insights into the lives of underprivileged children and instilled in them a sense of compassion and empathy. Looking ahead, the Civil Engineering Department is dedicated to organizing similar visits and activities to nurture a culture of social responsibility and empathy among its students. By participating in such initiatives, the department aims to prepare its students to become compassionate and socially conscious engineers, ready to make a positive impact in the world.

Students Invent Battery Operated Grain Cutting Machine



A groundbreaking invention has emerged from the minds of third-year diploma mechanical engineering students. Nikhil Ghumre, Narendra Warule, Harshad Thakre, Amol Gavit, and Manas Rade have developed a battery-operated grain cutting machine aimed at transforming the harvesting process in agriculture. Under the guidance of Prof. S.P. Sonawane, the students have submitted their project report to the institute, marking a significant milestone in their academic journey. Traditionally, the process of cutting and gathering ripened crops has been labor-intensive and time-consuming. Existing machines in the market are often prohibitively expensive for many farmers. Recognizing this challenge, the students set out to design a solution that would be both cost-effective and efficient. The result is a battery-operated crop cutting machine that not only reduces the time and labor required for harvesting but also provides farmers with a more accessible and affordable alternative. This innovation empowers farmers by giving them sufficient time to prepare for the next field, thereby enhancing overall productivity. Principal Dr. Sambhaji Sagare and Prof. S.P. Sonawane have played instrumental roles in guiding the students throughout this innovative and socially impactful project. Their support has been crucial in realizing the potential of this endeavor to revolutionize agricultural practices and improve the livelihoods of farmers.

"The greatest glory in living lies not in never falling, but in rising every time we fall."

-Nelson Mandela

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Shree Mahavir
Education Society

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Exploring Environmental Conservation: Mahavir Institute's Pandavleni Excursion



Mahavir Institute of
Pharmacy
Nashik

Vision

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Mission

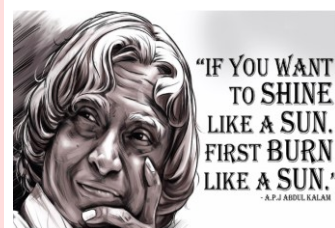
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Words of Wisdom



"IF YOU WANT
TO SHINE
LIKE A SUN,
FIRST BURN
LIKE A SUN."
-A.P.J. ABDUL KALAM



Mahavir Institute of Pharmacy recently organized an Environmental Studies (EVS) trip for its first-year B. Pharmacy students to Pandavleni, a historical and natural site in Nashik, Maharashtra. The excursion, held on Thursday, 18th April, was a full-day endeavor with 92 students participating in this enriching experience. Pandavleni, also known as Pandav Caves, is a group of ancient rock-cut caves nestled on the Trirashmi Hills, around 8 km from Nashik city. Renowned for its historical and cultural significance, as well as its scenic beauty, it served as the ideal destination for the trip.

The primary objective of the trip was to educate students about environmental conservation and the preservation of natural and cultural heritage. Through guided tours of the Pandavleni caves, students delved into the site's history, architecture, and religious significance, gaining insights into the sculptures and carvings adorning the caves. A nature walk around the Trirashmi Hills provided students with the opportunity to observe local flora and fauna, fostering an appreciation for biodiversity and conservation efforts. Educational sessions on pollution control, sustainable living, and environmental impact further enriched their understanding.

Engaging discussions encouraged students to contemplate the application of these principles in their future pharmacy careers. Interactions with locals offered insights into cultural traditions, while exploring the link between traditional medicine and modern pharmacy broadened their perspective. The trip left a lasting impact on the students, enhancing their awareness of environmental conservation and cultural heritage. By providing hands-on experiences and real-world examples, it reinforced the importance of sustainable practices. The success of the EVS trip underscores the value of such educational initiatives, paving the way for future excursions with similar objectives.

Enhancing Analytical Skills in Pharmacy Students: Hands-On Workshop on Analytical Instruments



Mahavir Institute of Pharmacy, in partnership with Reliable's Shree Industrial Training Centre, recently organized a comprehensive four-day workshop focusing on three crucial laboratory techniques: High-Performance Liquid Chromatography (HPLC), UV-VIS Spectroscopy, and Dissolution Apparatus. The workshop, tailored for third-year and final-year B.Pharm students, aimed to provide them with practical knowledge and hands-on experience using these analytical instruments. Throughout the workshop, participants were introduced to the theoretical principles and practical applications of HPLC, UV-VIS Spectroscopy, and Dissolution Apparatus.

On the first day, students received an overview of High-Performance Liquid Chromatography (HPLC), including its principles, components, and calibration procedures. A live demonstration of HPLC setup and calibration was provided, followed by hands-on practice sessions. The second day focused on UV-VIS Spectroscopy, with discussions on spectroscopy principles, instrument components, and calibration techniques. Participants had the opportunity to witness a live demonstration of UV-VIS spectrophotometer setup and calibration. On the third day, students were introduced to Dissolution Apparatus, where they learned about dissolution testing principles, types of apparatus, and calibration procedures. A live demonstration of dissolution apparatus setup and calibration further enhanced their understanding.

Mahavir Institute of Pharmacy Hosts Parent-Teacher Meet



MIP recently held a Parent-Teacher Meeting (PTM) at the Seminar Hall on April 5th, fostering crucial communication and collaboration between parents and faculty members. This event served as a pivotal platform for parents to engage in constructive dialogue regarding their children's education and overall well-being. The PTM commenced with a warm welcome and introduction by the college administration, setting the tone for productive discussions. Parents actively participated, sharing their observations, concerns, and aspirations for their children's academic journey. They appreciated the insights provided by teachers and sought guidance on supporting their child's learning effectively. During the meeting, parents were briefed on the college's academic policies, examination schedules, and available support services, ensuring they were well-informed about their child's educational environment. With the aim of enhancing student success, the meeting provided an avenue for parents to engage directly with the respected principal and other faculty members. The objectives of the meeting were clearly defined, including establishing a bridge between parents and teachers for better understanding and support of students. It also aimed to address any concerns or queries raised by parents, provide insights into students' academic performance and behavior, and discuss strategies for improvement. The outcomes of the PTM were highly beneficial. It facilitated greater parental engagement in their child's education and provided teachers with valuable insights into students' needs and challenges. The strengthened communication channels between parents and faculty members are expected to lead to continuous improvement in college policies, programs, and practices, ensuring they better meet the needs of students and families alike.