



VOICES



VOLUME NO.02 | ISSUE NO.3 | MAR. 24

E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, NASHIK

AUTOMATIC RAILWAY SECURITY CONTROL SYSTEM

SCOE Students Revolutionize Railway Safety with Groundbreaking Research



Akshay Shinde



Mayur Bhusare



Aditya Kaloge



Mayur Pagar



Subhodh Kedare



Prof. Snehal Uphade

In a groundbreaking achievement, final year students from the Electrical Engineering department at Sanghavi College of Engineering, namely Akshay Shinde, Mayur Bhusare, Aditya Kaloge, Mayur Pagar, and Subhodh Kedare, have made waves in the field of railway safety. Under the expert guidance of Prof. Snehal Uphade. They have successfully published their research titled "AUTOMATIC RAILWAY SECURITY CONTROL SYSTEM" in the prestigious 'Innovative Journal for Opportunities and Development in Science & Technology'.

The research aims to revolutionize railway safety by introducing an automated railway security prototype model. Leveraging advanced electronic circuits, a communication module, and innovative mobile interfaces, this system is designed to prevent collisions and enhance communication between trains, central control headquarters, and passengers. Implemented on an integrated Arduino Uno platform, the system incorporates automatic control crossing gates, switchable train tracks, and detection of line cracks using electronic sensors such as IR sharp sensor, ultrasonic sensor, and gyroscopes. Additionally, by integrating a web camera, operators in the control room can receive real-time updates on the status of trains and continuously monitor behavior during journeys. A standout feature of the system is the deployment of a dummy car, which provides critical support to trains by detecting and monitoring potential risks on railway lines, promptly alerting relevant authorities this groundbreaking research not only promises to revolutionize railway safety but also has the potential to significantly impact road traffic predictions. With the implementation of this

innovative system, the railway gate can be efficiently controlled, ensuring enhanced safety for all travelers, especially during hazardous journeys. The achievement of these visionary students and their dedicated mentor marks a significant milestone in the realm of railway safety, paving the way for a safer transportation system.

Successful Placement Drive at SCOE, 8 Polytechnic girl students placed.



TPO Dept. of SCOE, orchestrated a highly successful training and placement drive in collaboration with TNS Institute. The initiative aimed to bridge the gap between academia and industry by providing valuable training and placement opportunities to students. Tailored for students from various engineering disciplines, the drive was held on August 7, 2023. A total of 14 students were selected to undergo training as part of the campus-to-industrial training program. Following rigorous training, 8 final year students from Mahavir Polytechnic were successfully placed in renowned companies after completing-

their training on March 20, 2024. The success of the placement drive is evident in the placements secured by the students. The companies where these talented individuals have been placed are as follows: Persistent Digital Services: 3 students placed with an Annual CTC of INR 120,000 & Cogent E-Services Ltd: 5 students placed with an Annual CTC of INR 168,000. Among the successful placements, Manisha Namdev Dalvi, TYCE, Pritee Himmat Mohite, TYIT, and Mayuri Manoj Ahire, TYIT, were placed in Persistent Digital Services as Business Services Telesales Associates in Nashik. Kirti Arun Gaikwad, TYIT, Priyanka Yogesh Vadje, TYCO, Prachi Raju Chavan, TYCO, Payal Gabbarsing Pardeshi, TYIT, and Ishwari Eknath Gangurde, TYCO, were placed in Cogent E-Services Ltd as Business Services Customer Support Executives in Nashik.

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

Words of Wisdom

Change your thoughts and you change your world.

NORMAN VINCENT

Mayuri Ahire: A Rising Star



Mayuri Ahire, a dedicated student at Mahavir Polytechnic currently pursuing her studies in TYIF, is a young talent with a passion for both academics and the entertainment industry. Alongside her academic pursuits, she has ventured into the world of acting and production.

Mayuri's journey in the entertainment industry began when she seized the opportunity to be a co-actor in a new music album titled 'Sajana-Ranjana', a popular Marathi song. Produced by Kajwa Entertainment and Shivgovinda Entertainment, this project marked her acting debut alongside lead actors Swapnil Adke and Ragini Suryawanshi. The song featured talented singers Rahul Gangurde and Mayuri Murdeshwar. Notably, the production was helmed by Pramod Jumde and Milind Kale.

Her exceptional performance and dedication didn't go unnoticed. Mayuri's involvement in the project earned her recognition and paved the way for future opportunities in the entertainment industry.

Building on her newfound passion, Mayuri has taken on the role of Production Head at Kajawa Entertainment. This role allows her to showcase her organizational skills and contribute to the success of various productions.

As Mayuri Ahire embarks on her journey in the world of acting and production, the entire Shree Mahavir Education Society extends their heartfelt wishes for her future endeavors. With her talent, determination, and commitment, Mayuri is poised to make a significant mark in the entertainment industry, and we eagerly await her continued success.

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Words of Wisdom

“To win big, you sometimes have to take big risks.”
— Bill Gates

"The Engineer's Odyssey: From Challenges to Triumph"

The life of an engineer, is not a piece of cake

They have to wake up early and catch the bus, for goodness sake
They have to sit through lectures, some dull, some fun

Some of them skip the classes, some of them are very well done
Some of them are geeks, some of them are chic

Some of them are wise, some of them are mice.

They have to study hard, but they also need a break

They have to face the exams, which make them shake and quake
They have to crack the problems, which give them a headache
They have to cope with the stress, which makes them want to escape

They have to finish the submissions, which are like a giant rock

They have to do the assignments, which suck their energy like a leech
They have to work on the projects, which demand their skill and niche
They have to meet the deadlines, which are always a pain in the breach.

But they also have some fun, they also have some joy

They also have some passions, they also have some dreams
They also have some plans, they also have some schemes

They are the engineers, they are the gladiators
They are the innovators, they are the creators.

They are the engineers, they are the gladiators
They are the innovators, they are the creators.



Aanandi Shertate
FYAIML - Mahavir Poly.



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28 SCOE Students Shine with Medals in 'Anveshana-2024'



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



A remarkable achievement unfolds as 28 students from Sanghavi College of Engineering proudly received medals and certificates for their innovative projects at the 'Anveshana-2024' competition. Organized at Bunts Sangha in Mumbai, this competition aimed to foster innovation among engineering students nationwide, drawing participants from various states including Karnataka, Telangana, Andhra Pradesh, Tamil Nadu, Kerala, Maharashtra, Gujarat, Delhi, Haryana, Uttar Pradesh, Rajasthan, and Madhya Pradesh.

The final year students of Computer Engineering, including Samir Shaikh, Kalyani Sansare, Leena Birari, and others, showcased projects spanning diverse topics such as Android apps integrating constitutional laws, mechanisms to identify fake news on social media using machine learning, automated plant disease detection, and intrusion detection systems. The examiners were deeply impressed by these projects. The theme of the competition, 'Smart Future: Role of Technology in Focusing on Five Elements Earth, Water, Air, Fire (Energy), and Space', highlighted the pivotal role of technology in addressing these fundamental elements.

Dr. Bajirao Shirole, Principal of Sanghavi College of Engineering, alongside Prof. Pushpendu Biswas, Dr. Mahendra Jagtap, Prof. Sandeep Jadhav, Prof. Swati Hinge, Prof. Manisha Loharkar, and Prof. Pooja Ghuge, provided invaluable guidance to these students throughout their projects.

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28 SCOE Students Shine with Medals in 'Anveshana-2024'

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Harish Sanghvi, Chairman of Shree Mahavir Education Society, lauded the students for their exemplary skills, quality, creativity, and objective effectiveness displayed in the competition, underscoring the high standard of education at the college. He emphasized that such success was a testament to the institution's commitment to excellence. Managing Trustee Mr. Rahul Sanghvi, Executive Director of Shree Mahavir Education Society Dr. Priyanka Zawar, along with all teachers and non-teaching staff, extended their heartfelt congratulations to the students on this significant achievement.



Electrical Engineering Department Organizes Industrial Visit to Banganga Paper Mill Ltd



SCOE's Computer Engineering department recently organized a highly informative guest lecture on "Awareness about Study Overseas Education and Communication Skills." The lecture, held on February 29, featured distinguished speakers Mrs. Kanchan Bhore founder and Co-Founder Mrs. Kiran Kulthe from Prime Study Abroad Academy, Nashik.

Mrs. Kanchan Bhore, an accomplished educator with over 15 years of experience and accreditation from prestigious institutions like the British Council and ETS, leads Prime Study Abroad Consultants and Test Preparation Institute. She specializes in providing personalized guidance for international exams and career counseling for students aspiring to study abroad. The aim of the guest lecture was to equip students with essential skills to stand out in today's competitive job market. It focused on helping students identify their core values and enhancing their communication skills, presentation abilities, and public speaking prowess. The lecture covered various aspects crucial for personal and professional growth.

The event witnessed a significant turnout, with many students keenly participating in the insightful session. The lecture provided valuable knowledge and tools for students to develop their skills effectively and professionally, enabling them to explore a wide range of job opportunities. The Computer Engineering department remains committed to organizing more such informative lectures and workshops in the future, aimed at empowering students with the necessary skills and knowledge for success in their academic and professional endeavors.



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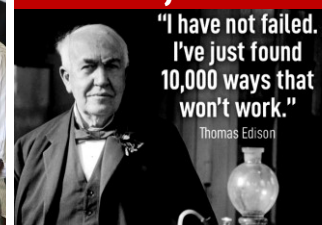
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Mahavir Polytechnic excels in State-Level Paper Presentation and Poster Mania Competition



Words of Wisdom



Mahavir Polytechnic recently hosted a highly successful State-level paper presentation and Poster Mania competition, showcasing the institution's commitment to academic excellence and fostering talent among students. The event, organized by various engineering departments, witnessed enthusiastic participation and fierce competition from students representing different colleges. In the paper presentation category, Mahavir Polytechnic emerged victorious, clinching the first prize in multiple disciplines. In the Computer Engineering department, the team comprising Soham Deshmukh, Suraj Shankpal, Sahil Sangle, and Varun Pingle showcased their exceptional research and presentation skills, securing the top honors. Similarly, in the IT Department, Mahavir Polytechnic's Adhar Wani and Sanika Ghumare's outstanding presentation earned them the second prize, highlighting the institution's prowess in diverse fields. Furthermore, in the Mechanical Engineering Department, Mahavir Polytechnic demonstrated its dominance by securing both the first and second prizes in the paper presentation category. The students showcased their innovative ideas and technical acumen, setting a benchmark for excellence in their field.

The Poster Mania competition, organized by various departments, also witnessed impressive performances from Mahavir Polytechnic students. Asawari Bhagat and Kalyani Warule showcased their creative prowess, securing the first prizes in their respective categories. Additionally, students from the Electrical and Mechanical Engineering departments showcased their talent, further solidifying Mahavir Polytechnic's reputation for nurturing well-rounded individuals. The winners were felicitated with certificates and trophies, symbolizing their remarkable achievements. Dr. Priyanka Zavar, Director of the Mahavir Education Society, and Dr. Sambhaji Sagare, Principal of the Institute, congratulated the winners and applauded their hard work and dedication.

'Road Safety' initiative by 'Mahavir' students

Along with the awareness of traditional tools, the students also gave information about available Apps.



The trend of unsafe driving is on the rise in Nashik, due to which we witness daily vehicular accidents in which many people die, get seriously injured or lose their limbs permanently. Many of these accidents are caused by poor driving skills, non-observance of road safety precautions, lack of awareness and violation of traffic rules.

An innovative initiative called "Rasta Suraksha- Jeevan Raksha" was also recently organized by the Department of Computer Engineering of Mahavir Polytechnic. We as students and faculty should also play our part in trying to solve the problems related to road safety, with the aim of reducing road accidents and educating everyone on how to drive responsibly. It was conducted on 04th April at 9.30 am. Students and professors were present at this time. While creating public awareness, the students adopted traditional methods like creating banners to convey messages to the citizens, not using mobile phones while driving, requesting and educating about wearing helmets, understanding traffic rules, but at the same time, as computer engineers, they have given the information about the Mobile Applications made available by Government about road safety. Government and private mobile application developed to create a better system through the participation of competent and responsible citizens that allows users to report road hazards, accidents and traffic violations in real-time while also providing information on safe routes, traffic and emergency services. Students insist to download the application and to use them.

Krishna Patel, Asawari Bhagat, Snehal Kakad, Prasad Gawli, Mayur Kundaria, Harshada Tambe, Varun Pingle, Nandini Mahajan, Paras Sanap, Ankita Mahajan, Krishnali Patil, Komal Kushare, Om Bhandure, Sahil Sangle and others from first, second and third year students. It included. Head of Department Anup Sonawane, Prof. It included Saili Desai, Prasad Sonawane, Swamini Guldgad, Sneha Deshmukh and other teaching and non-teaching staff. Recognizing the alarming statistics of road accidents and deaths, this project aimed at bringing change by the students is definitely commendable and the work done by the students and teachers of Mahaveer Polytechnic will be inspiring, said Principal Dr. Sambhaji Sagare has expressed. The Managing Trustee of Shree Mahavir Education Society Mr. Rahul Sanghavi and the Director Dr. Priyanka Zavar congratulated the students for their successful efforts.

Empowering Students through Personality Development



Computer Engineering Department recently hosted a transformative lecture by Ms. Vaidhehi Kakodkar, a personality development expert from Quinnox Consultancy Services Limited, Mumbai. The session aimed to empower students with personal and professional growth strategies, attracting an enthusiastic turnout. Ms. Kakodkar, renowned for her dynamic approach, shared insights on communication skills, self-confidence, leadership, and emotional intelligence. The interactive workshop segment allowed students to participate actively in role-playing exercises and group discussions, providing practical tools for overcoming challenges. Expressing gratitude for the opportunity, Ms. Kakodkar emphasized the importance of continuous learning. Mr. Anup Sonawane, Head of the Computer Engineering Department, praised the lecture's value and thanked Quinnox Consultancy Services Limited for collaboration. Students left inspired to strive for excellence, with lessons from the session expected to guide their future endeavors. Supporting staff, Ms. Sayali Desai and Ms. Snehal Pagare, contributed to the event's success.

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

-Nelson Mandela

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GMP and GDP Seminar: Empowering Pharmaceutical Excellence at MIP



Vision

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Mission

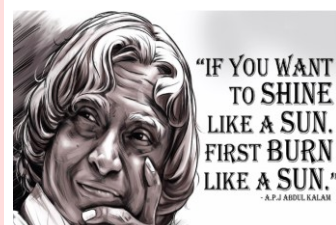
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On March 15, 2024, Mahavir Institute of Pharmacy (MIP) organized a seminar aimed at augmenting the understanding of Good Manufacturing Practice (GMP), Good Distribution Practice (GDP), and the inner workings of the pharmaceutical industry. Held at the seminar hall of MIP, the event proved to be enlightening and invaluable for both faculty members and students. The seminar featured Mr. Prathamesh Kulkarni, a representative from Glenmark Pharmaceuticals Limited, as the esteemed speaker. Glenmark Pharmaceuticals is globally recognized as a research-driven pharmaceutical company, renowned for its presence in branded, generic, and over-the-counter segments, with a strategic focus on Respiratory, Dermatology, and Oncology therapies.

Mr. Kulkarni's presentation delved into the intricacies of GMP and GDP, emphasizing their pivotal roles in ensuring the safety and quality of medical devices and pharmaceutical products. Good Distribution Practice (GDP) and Good Manufacturing Practice (GMP) serve as quality standards and guidelines with a shared objective of maintaining product integrity throughout the supply chain. Through insightful explanations and real-world examples, Mr. Kulkarni elucidated the significance of adhering to these standards to uphold the highest standards of safety and efficacy in the pharmaceutical industry. The seminar provided attendees a comprehensive understanding of the regulatory frameworks governing pharmaceutical manufacturing and distribution processes. Attendees gained insights into the importance of compliance with GMP and GDP regulations to mitigate risks and uphold the reputation of the pharmaceutical industry. Moreover, Mr. Kulkarni's expertise shed light on industry best practices and emerging trends, empowering participants with the knowledge needed to excel in their respective roles within the pharmaceutical sector.

Online Workshop on Intellectual Property Rights at MIP



Mahavir Institute of Pharmacy organized an insightful online workshop on Intellectual Property Rights (IPR) on March 8, 2024, exclusively for D. Pharmacy students. The workshop aimed to educate students about the various aspects of intellectual property rights and the significance of safeguarding intellectual creations across different fields. In collaboration with the Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIIPM) under the National Intellectual Property Awareness Mission, the workshop saw active participation from approximately 204 students representing diverse academic disciplines.

Workshop led by Mr. Bharat Suryawanshi, delved into essential topics such as an introduction to intellectual property rights, its types, patents and innovations, copyrights and creative works, trademarks and branding, as well as IPR enforcement and the challenges associated with it. Through engaging discussions

-and interactive sessions, students gained valuable insights into the legal and ethical frameworks surrounding intellectual property rights. The workshop served as a platform to foster awareness and understanding among future innovators, emphasizing the importance of protecting intellectual assets in an increasingly competitive and innovative landscape.



Field Visit to Shree Guruji Hospital, Nashik: Enhancing Understanding of Medical Devices & Emerging Technologies



On March 7, 2024, First and Second year D.Pharm. students from Shree Mahavir Institute of Pharmacy embarked on a field visit to Shree Guruji Hospital. The objective of this visit was to enhance their understanding of medical devices used in healthcare and to acquire current knowledge about healthcare practices. During the visit, students had the opportunity to observe various medical devices in practical use and gain insights into their functions. They also engaged in discussions with healthcare professionals to understand the application of these devices in different medical conditions. Moreover, students were briefed on the latest advancements and emerging challenges in healthcare technology. This aspect of the visit provided them with valuable exposure to the evolving landscape of healthcare innovation. Overall, the field visit proved to be an enlightening experience for the students, offering them a practical understanding of healthcare practices and emerging technologies. Prof. Kiran Nagote and Prof. Shivani Chavan was the coordinator for the Field visit..

Field Visit to Primary Health Centre Talegoan, Dindori



On March 11, 2024, Shree Mahavir College of Pharmacy organized a field visit to the Primary Health Centre located in Talegoan village, Dindori district, Nashik. This visit was arranged for the first and second-year D.Pharmacy students with the aim of familiarizing them with various medical devices used in healthcare centers and providing insights into the current healthcare landscape. During the visit, students had the opportunity to observe and learn about different medical devices employed in the primary healthcare center, including diagnostic tools, monitoring equipment, and basic medical instruments. They gained practical exposure to the utilization of these devices in patient care and treatment. Additionally, students were briefed on the present healthcare issues, challenges faced by primary healthcare centers, and the importance of accessible and affordable healthcare in rural areas. The hands-on experience during the visit provided valuable learning opportunities and enhanced student understanding of healthcare practices and challenges in rural settings.