



VOICES



Shree Mahavir
Education Society

VOLUME NO.01 | ISSUE NO.06 | JUNE 23

E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, 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.

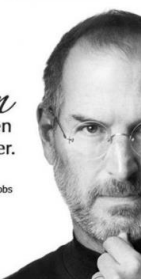
To train students by teaching them leadership and teamwork skills.

To groom students enriching their personality and social values

Words of Wisdom

Innovation distinguishes between a leader and a follower.

- Steve Jobs



‘International Yoga Day’ Celebrated with Great Zeal

International Yoga Day was celebrated with tremendous zeal and fervor across all three esteemed institutions of Shree Mahavir Education Society: Sanghavi College of Engineering, Mahavir Polytechnic, and Mahaveer Institute of Pharmacy. The grandeur of the event was unmatched as students and faculty alike embraced the essence of yoga.

Under the guidance of the erudite Dr. Sambhaji Sagare, Principal of Mahaveer Polytechnic, and the esteemed Prof. Toshnil Boraste, Head of the Civil Department at Sanghvi College of Engineering, the attendees were privileged to receive enlightening yoga lessons. From the enchanting vibrations of Omkar Japa Sadhana to the graceful postures of Yogasana, the participants immersed themselves in the transformative power of yoga. The ancient art of Pranayama, coupled with the invigorating Kapalbhathi technique, invigorated both body and mind. The sessions culminated with serene moments of meditation, allowing participants to achieve inner harmony and tranquility.

Dignitaries such as Dr. Anil Jadhav, the erudite Principal of Mahavir Institute of Pharmacy, and the visionary Prof. Navnath Palde, Principal of Sanghvi College of Engineering, graced the occasion with their esteemed presence. Accomplished professors adeptly demonstrated a multitude of awe-inspiring yoga poses, including the ethereal Padmasana, the majestic Bhujangasana, the grounded Tadasana, the dynamic Chakrasana, and the empowering Parvatasana. These awe-inspiring displays left the students captivated and inspired to explore the depths of their physical and spiritual capabilities. The magnificence of this International Yoga Day celebration truly exemplifies the unwavering commitment of Shree Mahavir Education Society towards holistic well-being. By embracing the profound teachings of yoga, the event instilled in the attendees a profound understanding of the interconnectedness between the body, mind, and soul. It served as a poignant reminder that the path to self-discovery and optimal wellness lies in the ancient practice of yoga.



'Glimphisis of International Yoga Day-2023' Mahavir Institute of Pharmacy Celebrations

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Words of Wisdom

THE ONLY WAY TO
DO GREAT WORK
IS TO LOVE
WHAT YOU DO

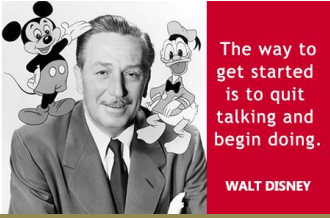
Steve Jobs



Polytechnic Students Introduce "Solar Base Beam EV Charging Station" for Green Campus Transportation.



In a commendable feat, a team of third-year electrical engineering students has unveiled the Solar Base Beam Electric Vehicle Charging Station. This eco-friendly project, guided by Prof. S.A. Mandlik, harnesses solar power to meet the rising demand for electric vehicle charging on college campuses. With advanced PLC system integration, the station optimizes charging and discharging capacity while managing the power grid effectively. This innovative solution offers a reliable and efficient charging experience while supporting sustainable transportation and local environmental goals. The team members, Prafull Pravin Birari, Pranit Shantaram Gunjal, Kunal Kamalakar Sonar, and Nitin Santosh Sonawane, have demonstrated their dedication to creating a greener future. The Solar Base Beam Electric Vehicle Charging Station represents a significant milestone in revolutionizing transportation infrastructure towards a more sustainable and energy-efficient world.



The way to get started is to quit talking and begin doing.

WALT DISNEY



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Farewell Party Marks Unforgettable Moments : For Third-Year Diploma Students at Mahavir Polytechnic

Mahavir Polytechnic organized a farewell party to bid a cheerful adieu to the graduating students of the third year. The objective of the event was twofold: to create stronger bonds among the departing students and to ensure that their college days remain eternally cherished memories. The event took place at the Curry Leaves Hotel on Dindori Road.

Farewell parties at Mahavir College have always been a source of excitement, rekindling numerous happy memories. On June 10th, at 6:00 pm, the Student Council hosted a delightful farewell party for the third-year students. The evening was filled with enthusiasm and an abundance of joyful reminiscences.

The event commenced with a warm welcome extended to the Trust Coordinator and Dean, Dr. Priyanka Zawar, along with the Principal, HOD, and final-year students. In his speech, Principal Dr. Sambhaji Sagare extended heartfelt wishes to the graduating students for their future endeavors. He emphasized the importance of cultivating a positive mindset and encouraged them to pursue smart work, setting a path towards success in their careers.

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Words of Wisdom

Let's go invent tomorrow rather than worrying about what happened yesterday.

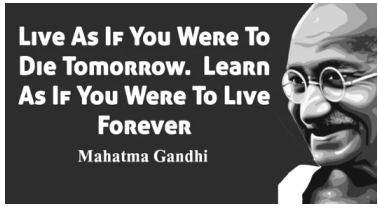
— Steve Jobs

'Glimpses of the Farewell Party - 2023'

During the farewell party, students shared their memorable experiences & expressed gratitude towards the teachers and college staff. The atmosphere was filled with vibrant energy and high spirits, creating an ambiance of positivity & enthusiasm. The program continued with engaging activities, including games, songs, and dance performances designed to entertain and captivate the attendees. Specially curated game sessions provided a fun-filled experience for the students. The event concluded with a delicious lunch, where everyone had the opportunity to savor culinary delights while cherishing the beautiful day shared with mixed emotions of happiness, sorrow, and an abundance of love.

The farewell party organized by College marked an extraordinary moment in the lives of the departing third-year students. It served as a heartfelt farewell, ensuring that their journey beyond college remains forever intertwined with cherished memories. The event concluded with a vote of thanks delivered by the emcees, expressing gratitude to all who contributed to the success of this memorable occasion. The farewell party served as a poignant reminder of the transformative years spent at the college and the promising future that awaits each individual.





VOICES



Sanghavi College of Engineering Students Develop Innovative 'Music Recommendation System' Based on Facial Expressions : Shines at 'Anveshana – 2023'



A team of talented computer engineering students from Sanghavi College of Engineering, namely Rajdev Rajeshkumar Bhaskar, Sonali Kantilal Badgujar, Prathmesh Somnath Mohite, Prasanna Arvind Nikam, Shivam Deshmukh, and Swara Shelke, have developed an advanced Music Recommendation System as part of their BE project. Under the expert guidance of Prof. Puspendu Biswas, the HOD of the Computer Engineering Department, these students showcased their exceptional talent and innovation.

The Music Recommendation System aims to enhance the music listening experience by suggesting songs based on the user's current state of mind. By utilizing computer vision components, the system analyzes facial expressions to determine the user's emotion. This automation saves users valuable time by eliminating the need for manual song selection. The system employs algorithms to classify human expressions and match them with appropriate music tracks. Facial features are extracted using the Haar Cascade and CNN algorithms, allowing the system to detect and interpret expressions accurately.

Vision

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By using an inbuilt camera to capture facial expressions, the system offers a cost-effective solution compared to other methods. These innovative students recently participated in Anveshana - 2023, a prestigious national-level science and engineering fair held in Mumbai. Their exceptional talent and the novelty of their Music Recommendation System aligned perfectly with the event's theme of "Novel Strategies and Innovative Technologies in Waste Management for Sustainable Development." The students received well-deserved recognition and accolades for their remarkable achievement.

The Music Recommendation System developed by these Sanghavi College of Engineering students demonstrates their dedication to leveraging technology for enhancing user experiences. Their project showcases the seamless integration of computer vision technology and music selection, contributing to the advancement of automation and user convenience. The guidance and efforts of Prof. Puspendu Biswas played a pivotal role in the success of the project. His expertise and support empowered the students to excel in their endeavors, further emphasizing the quality of education and mentorship at Sanghavi College of Engineering.

The achievement of these students not only highlights their technical skills but also exemplifies their ability to innovate and make a positive impact through their projects. Their Music Recommendation System has the potential to revolutionize the way individuals interact with music, providing personalized and effortless music suggestions based on their emotional state.



Words of Wisdom

Defeat is a state of mind; no one is ever defeated until defeat has been accepted as a reality. - Bruce Lee

Students Develop ‘Innovative Oil Skimmer’ : For Effective Oil Spill Cleanup



A group of final-year civil engineering students, Aniket Anil Gondhali, Aditya Pradip Dandgawal, Ganesh Santosh Kothule, and Prathamesh Gopal Kuwar Under the expert guidance of Prof. Pallav iP. Mapari have developed a groundbreaking solution to tackle the pressing issue of oil spills in the oceans. Their project, titled "Oil Skimmer by Using Non-Polar Pipe," aims to efficiently separate oil from water, mitigating the environmental and ecological impact caused by these disasters.

In recent years, the world has witnessed devastating oil spill accidents, resulting from the careless practices

706 million gallons of waste oil find their way into the oceans each year, with over half originating from land drainage and waste disposal. Offshore drilling, ship and tanker leaks, routine maintenance ships, onshore pollution, and natural seepage further contribute to this ecological catastrophe. To address this pressing issue, the students focused on mechanical means to combat oil spillage. Oil skimmers, specifically pipe-type skimmers, are commonly used in industry to separate oil from water. The efficiency of such skimmers depends on the material used. The team aimed to study the effectiveness of their designed pipe-type skimmer and its oil recovery capacity. Their project involved testing and evaluating the oil recovering capacity of the pipe-type skimmer they designed and constructed. By efficiently removing oil from the water surface, their innovative solution offers a promising approach to mitigating the harmful effects of oil spills. This breakthrough has the potential to safeguard aquatic life, protect coastal areas, and ensure the enjoyment of clean beaches for communities living in these regions.

The students' dedication to addressing the global oil spillage problem exemplifies their commitment to environmental sustainability and showcases the innovative spirit fostered in their civil engineering program. Their project holds significant promise for advancing oil spill cleanup efforts and preserving fragile ecosystems.

Enhancing Data Security with ‘Advanced Encryption and Decryption System’ : SCOE Students Shines at ‘Anveshana – 2023’



A team of talented computer engineering students from Sanghavi College of Engineering, comprising Aditya Dhage, Rohan Randive, Unnati Bhandare, Sarika Jagtap, Sarthak Aher, and Bhushan Lahitkar, under the guidance of Prof. Bajirao Shirole, received well-deserved recognition for their remarkable achievement in developing an advanced Encrypted and Decryption System. The students showcased their innovation at Anveshana - 2023, a prestigious national-level science and engineering fair held in Mumbai, where they were highly appreciated by the organizers.

The Encrypted and Decryption System project focuses on providing a customized solution for secure data encryption and decryption, ensuring data confidentiality and integrity. With an emphasis on user-friendliness, the system offers a seamless interface for interacting with the encryption and decryption processes. By integrating established encryption algorithms like AES and RSA with novel modifications, the team developed a reliable and efficient system capable of safeguarding sensitive information across various domains.

Rigorous testing and adherence to best practices ensured the system's reliability, performance, and resistance to attacks. Under the expert guidance of Prof. Bajirao Shirole, the students' project stood out for its originality and innovative approach. The project aligns with the theme of "Novel Strategies and Innovative Technologies in Waste Management for Sustainable Development" at Anveshana - 2023, showcasing their ability to address pressing technological challenges. The achievement of these students at the national-level science fair reflects their expertise and dedication to data security. Their Encrypted and Decryption System not only demonstrates technical excellence but also contributes to the field by providing individuals and organizations with a secure solution.

The recognition received by these talented students highlights the quality of education and mentorship at Sanghavi College of Engineering. Prof. Bajirao Shirole's guidance played a crucial role in the project's success, empowering the students to excel in their endeavors. The Encrypted and Decryption System developed by these students holds immense potential to enhance data security, making a significant impact in the digital landscape. Their well-deserved recognition at ‘Anveshana – 2023’ solidifies their position as innovative contributors to the field of computer engineering.

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

-Nelson Mandela

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Mahavir Institute of Pharmacy Nashik

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Celebrating Unforgettable Moments

A Spectacular Farewell Celebration arranged by Mahavir Inst. Of Pharmacy

Mahavir Institute of Pharmacy recently organized an unforgettable farewell party to bid a cheerful adieu to the graduating students of B Pharmacy and the second-year Diploma in Pharmacy. The event, held at the esteemed Curry Leaves Hotel on Dindori Road, aimed to foster stronger bonds among the departing students and create everlasting memories of their college days.

Known for its vibrant and exciting farewell parties, Mahavir College once again hosted a delightful event that was brimming with enthusiasm and an abundance of joyful reminiscences. The evening commenced with a warm welcome extended to esteemed guests, including the Managing Trustee, Mr. Rahul Sanghavi, Trust Coordinator and Dean, Dr. Priyanka Zawar, Principal, HOD Prof. Angha Sarvadnya, HOD Atul Bendale, dedicated staff, and the final-year students.

Principal Dr. Anil Jadhav delivered an inspiring speech, expressing heartfelt wishes to the graduating students for their future endeavors. He emphasized the significance of cultivating a positive mindset and encouraged them to pursue smart work, setting a path towards success in their careers. The farewell party was an occasion for students to reflect on their memorable experiences and express gratitude towards the teachers and college staff who played a significant role in their educational journey. The atmosphere was filled with vibrant energy and high spirits, creating an ambiance of positivity and enthusiasm.

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Words of Wisdom



"However difficult life may seem, there is always something you can do and succeed at"

'Glimpses of the Farewell Party - 2023'

To make the event even more engaging, a series of entertaining activities such as games, songs were organized, captivating the attendees and adding to the festive spirit. Specially curated game sessions provided a fun-filled experience for the students, creating lasting memories.

The farewell party reached its culmination with a delectable lunch, offering everyone the opportunity to savor culinary delights while cherishing the beautiful day shared with mixed emotions of happiness, sorrow, and an abundance of love. The event marked an extraordinary moment in the lives of the departing students, ensuring that their journey beyond college remains forever intertwined with cherished memories. As the farewell party concluded, the emcees delivered a heartfelt vote of thanks, expressing gratitude to all who contributed to the success of this memorable occasion. The event served as a poignant reminder of the transformative years spent at Mahavir Institute of Pharmacy and ignited a sense of anticipation for the promising future that awaits each individual.



'Mahavir' Staff Publish Groundbreaking Article

In Biosciences Biotechnology Research Asia an open access, peer reviewed research journal



Dr. Atul R. Bendale
HOD



Dr. Vasim Pathan

Mahavir Institute of Pharmacy is proud to announce the publication of a groundbreaking research paper titled "Metered Dose Inhalers (MDIs) for High-Performance Pulmonary Drug Delivery in Assistance to Nanotechnology." The paper, authored by Dr. Atul Bendale, HOD, and Dr. Vasim Pathan of Mahavir Institute of Pharmacy, has been published in the prestigious research journal Biosciences Biotechnology Research Asia.

Vaibhav R. Waghchaure
Final Year B.Pharm.

Respiratory infections continue to pose a significant threat to public health, causing morbidity and mortality on a global scale. The delivery of drugs through the lungs has emerged as a promising approach, utilizing various drug delivery systems such as nebulizers, MDIs, and dry powder inhalers. Among these, metered dose inhalers have gained significant attention and are often the preferred choice for clinicians. The recently published paper provides a comprehensive review of metered dose inhalers as a means of delivering pulmonary drugs.

The study explores the use of lipid nanocarriers, polymeric nanoparticles dendrimers, micelles, liposomes, solid lipid nanostructures, nanostructured lipid carriers, and other technologies in conjunction with MDIs for various therapeutic applications. In addition to discussing the advancements in nanotechnology-assisted drug delivery through MDIs, the paper also delves into the market scenario of different MDIs and provides insights into digital metered dose inhalers, an emerging trend in the field.

The research conducted by Dr. Atul Bendale and Dr. Vasim Pathan demonstrates their expertise in the field of pharmaceutical sciences and their commitment to advancing drug delivery methods for respiratory conditions. The publication of their paper in Biosciences Biotechnology Research Asia further highlights the institution's dedication to fostering cutting-edge research in pharmacy and pharmaceutical sciences.

The publication of this research paper is a significant achievement for Mahavir Institute of Pharmacy and reaffirms its commitment to innovation and excellence in pharmaceutical research. The institute continues to strive towards addressing critical healthcare challenges and contributing to the betterment of society.

