



VOICES



Shree Mahavir Education Society

VOLUME NO.02 | ISSUE NO.6 | JUNE 24

E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, NASHIK

Shree Mahavir Education Society's Institutions Celebrate International Yoga Day with Enthusiasm and Unity.



Shree Mahavir Education Society's institutions, including Mahavir Polytechnic, Sanghavi College of Engineering, & Mahavir Institute of Pharmacy, celebrated International Yoga Day with great enthusiasm and participation. The event was led by Yoga Teacher and Principal of Mahavir Polytechnic Dr. Sambhaji Sagare, who demonstrated various yoga asanas and emphasized the importance of practicing yoga daily for mental & physical well-being. Dr.Sagare's session highlighted how regular yoga practice can strengthen the body & mind, promoting overall health and wellness. Principal of SCOE Dr. Bajirao Shirole & Principal of MIP Dr. Anil Jadhav with teaching and non-teaching staff of Sanghavi College of Engineering, Mahavir Institute of Pharmacy & Mahavir Polytechnic joined the celebration, actively participating in the yoga session. The collective enthusiasm and commitment of everyone present underscored the spirit of unity and the importance of maintaining a healthy lifestyle. The event concluded with a renewed commitment from all attendees to continue practicing yoga & promoting its benefits. The Chairman of Mahavir Education Society, Mr. Sanghavi, and Director Dr. Priyanka Zawar extended their congratulations to participants for making the event successful.



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



"Happiness is not something readymade. It comes from your own actions"

Android Mobile-Based Security Lock for Bike Ignition: A Modern Solution by TYME students.



Third-year Mechanical Engineering students at Mahavir Polytechnic have developed an innovative project titled "Android Mobile-Based Security Lock for Bike Ignition." The team, comprising Sumit More, Sahil Bagul, Rahul Khalkar, and Sakshi Shirsath, was guided by Prof. Pooja Bhalerao. This project aims to replace traditional locks on bikes and other two-wheelers with a modern security system. The new system uses an Android mobile app paired with a Bluetooth receiver installed on the bike. The user must enter a password through the app to activate the ignition; if the password is incorrect, the system triggers a buzzer alarm. The mechanism includes electronic components such as a battery, integrated -

-circuits (ICs), an LED display, transistors, sensors, and more, all built on an embedded system platform. The idea for this project arose from the observation that while many modern cars are equipped with wireless security systems and various advanced technologies, similar protective measures have not been developed as extensively for motorcycles, particularly smaller bikes. This student project involved several critical steps, including problem identification, conducting a survey, selecting components, designing and laying out the system, procuring the necessary components, fabrication, machining, assembly, and finally, testing and trials to evaluate the results.

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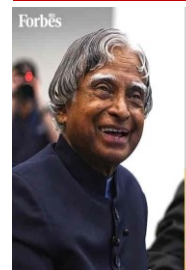
Students' Research on Eco-friendly Concrete Published in International Journal



- Prathamesh R. Gaikwad,
- Pritam R. Gangode,
- Om D. Vasani,
- Aniket Chandrashekhar,
- Meet Tank.

Third year civil engineering students of Mahavir Polytechnic, Prathamesh Gaikwad, Pritam Gangode, Om Vasani, Aniket Chandrashekhar, and Meet Tank, have published a research paper titled "Study of Ecofriendly Admixture in Concrete" in the prestigious International Journal of Advanced Research in Science, Communication, and Technology (IJAR SCT), Volume 4, Issue 3. The research, conducted under the expert guidance of Prof. Satish Deore, HOD of the Civil Engineering Department, explores innovative methods to enhance concrete sustainability. The paper highlights the development and application of eco-friendly admixtures in concrete, offering a significant contribution to the field of civil engineering by proposing sustainable alternatives to traditional chemical admixtures. The study has been recognized with Certificate No: 022024-A1408 and can be accessed through Crossref DOI: 10.48175/IJAR SCT-15553. This achievement not only underscores the students' dedication and hard work but also reflects the high standards of research and academic excellence at Mahavir Polytechnic.

Words of Wisdom



"Excellence is a continuous process and not an accident."



Vision

“Sanghavi College of Engineering strives to educate students to become Industry Ready Engineers having Professional Attitude and Groomed Personality.”

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Words of Wisdom

जिसके पास धैर्य है वह जो चाहे वो पा सकता है.

बेंजामिन फ्रैंकलिन

Computer Engineering Dept. of SCOE Hosts Memorable Farewell Party for their Students



Computer Engineering's Department of SCOE organized a heartfelt farewell party for its final-year students, celebrating their journey and achievements as they prepare to embark on new career paths. The event was meticulously arranged by the Computer Engineering Department under the guidance of HOD Mr. Puspendu Biswas. In his address, Mr. Biswas provided invaluable guidance to the students, outlining the potential roles and opportunities they can pursue after completing their Bachelor of Engineering (B.E.) degrees.

Principal Dr. Bajirao Subhash Shirole also addressed the students, offering words of wisdom and encouragement for their future endeavors. The farewell event included a series of heartfelt speeches by the students, who shared their cherished memories and expressed their gratitude towards the college, faculty, and their peers. The program was filled with various engaging activities, including games that fostered camaraderie between students and staff, a lively dance session, and a photoshoot to capture the memorable moments. The evening concluded with a sumptuous dinner, allowing everyone to bond and celebrate together. Dr. Mahendra Jagtap, Mr. Navnath Palde and other faculty members, including Ms. Swati Hinge, Ms. Manisha Loharkar, Ms. Pratima Pawar, Ms. Nayan Sawant, Ms. Sushmita Khalane, and Mr. Pradeep sangam Sinha were present to bid farewell to the students. The farewell party was a resounding success, filled with joy, laughter, and a sense of accomplishment. Both students and staff enjoyed the evening, reflecting on their shared experiences and looking forward to the promising futures ahead. Sanghavi College of Engineering wishes its Computer Engineering graduates all the best in their future endeavors and is proud of the strong foundation it has provided them for their professional and personal growth.

Boosting Efficiency and Quality: Faculty Meeting of EE Dept. Highlights Key Strategies



Mr. Rahul Bankar (Head of the Electrical Department, Sanghavi College of Engineering) held a meeting on June 26, 2024 with newly joined faculty on 5S, Poka Yoke and the Why-Why technique to be implemented at Institute level. Starting with 5S, he explained the system which includes five steps, each starting with letter "S" - Sort, Set in Order, Shine, Standardize and Sustain. Mr. Bankar explained 5S rule for effective working, better utilisation of work place, increased efficiency and improved quality. Further, he continued

the meeting with Poka Yoke (mistake-proofing). It refers to any mechanism or process designed to prevent errors by making it impossible to make mistakes. Along with these 2 effective methods to follow in department, Mr. Bankar added "Why-Why technique" also known as the 5-Whys, is a problem solving method used to identify Root Cause of the problem. The purpose of the meeting was to encourage the faculty members to keep clean and quality environment in Department and to systematically identify and address.

SCOE Students Publish Research in Prestigious Journal



Pallavi Bhoje



Yadnesh Jagtap



Kunal Koradkar



Deep Tungare



Prof. Rahul Bankar

Final year students of the Electrical Engineering department at Sanghavi College of Engineering, Pallavi Bhoje, Yadnesh Jagtap, Kunal Koradkar, and Deep Tungare, have achieved a significant academic milestone. Under the guidance of Prof. Rahul Bankar, they have published their research titled "Induction Motor Power Quality Issues Analysis Using MATLAB" in the esteemed 'Innovative Journal for Opportunities and Development in Science & Technology'.

Their research paper presents a comprehensive analysis of power quality events using MATLAB/SIMULINK and parametric equations. The system developed in their study simulates various types of voltage sag through the integration of transformer energizing, capacitor banks for distribution, line faults, induction motor starting, non-linear loads, and transformer initiation. The general model highlights the temporary voltage effects caused by capacitor bank switching within a distribution network, and it is enhanced with an integrated block that organizes all event scenarios to maintain energy quality. The research by the student is crucial in addressing power quality issues in induction motors. Utilizing MATLAB/SIMULINK, their study simulates voltage sag scenarios through various events like transformer energizing and capacitor bank distribution. This comprehensive model enhances clarity and provides valuable insights for improving the stability and efficiency of electrical systems, significantly advancing energy quality management.

This publication not only demonstrates the students' dedication and proficiency in their field but also contributes valuable insights to the ongoing research in power quality analysis. The entire Sanghavi College of Engineering community congratulates Pallavi Bhoje, Yadnesh Jagtap, Kunal Koradkar, Deep Tungare, and Prof. Rahul Bankar for their outstanding achievement and wishes them continued success in their future endeavors.

Civil Engineering Students of SCOE Visits Indra-Kailash Apartment a Construction Site



The Department of Civil Engineering at Sanghavi College of Engineering, Nashik, recently organized an educational visit for T.E. Civil engineering students to the construction site of Indra-Kailash Apartment located at Omkar Nagar, Peth Road, Nashik. This visit was conducted in line with Pune University guidelines and syllabus requirements for Structural Design-II. The visit was made possible with the kind permission of Mr. Vilas Matala, owner of Laxmi Buildcon, Nashik. The educational trip aimed to provide students with practical insights into the structural elements of building construction, focusing on the arrangement of reinforcement in slabs, columns, beams, and staircases. During the site visit, students observed the following key aspects: Slab, Column, and Beam Reinforcement: The students learned about the main reinforcement or longitudinal reinforcement used in structures with short spans, and the placement of these reinforcements. The students also studied the vertical stirrups in beams and columns, gaining an understanding of their role in structural integrity. The visit provided a practical view of the differences between one-way and two-way slabs, enhancing the students' comprehension of these structural components. The educational visit not only fulfilled academic requirements but also significantly enriched the students' practical knowledge, bridging the gap between theoretical learning and real-world application. This visit was a valuable learning opportunity and it was the holistic development of civil students.



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Mahavir Polytechnic Students Innovate with Eco-Friendly Admixture Concrete



Aniket Chandrashekhar



Pritam Gangode



Prathamesh Gaikwad



Om Vasani



Meet Tank

Vision

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

Mission

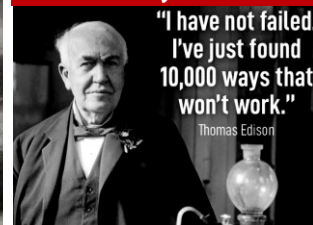
To provide well-defined system to ensure quality education by strengthening teaching learning processes through innovative practices

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Words of Wisdom



Mahavir Polytechnic is proud to announce that its third-year Civil Engineering students have developed an innovative eco-friendly admixture for concrete as part of their study project, submitted to the Maharashtra State Board of Technical Education. The team, comprising Prathamesh Gaikwad, Pritam Gangode, Om Vasani, Anket Chandrashekhar, and Meet Tank, conducted this project under the expert guidance of Prof. Satish Deore, HOD of the Civil Engineering Department. In their pursuit of creating high-strength concrete with optimal rheology, the students aimed to replace traditional proprietary chemical admixtures, which are known to emit toxic gases during manufacturing and contribute to global warming. The innovative approach involved using extracts from the bark of the cypress tree. These extracts were prepared by either boiling the bark in water or soaking it in cold water for a period. The results of their project indicated that the cypress tree extract significantly delayed the setting time of cement, particularly beneficial as a concrete retarder in hot climates. This eco-friendly and economical admixture not only offers a sustainable alternative to traditional chemical admixtures but also leverages renewable sources, thereby reducing carbon emissions and enhancing performance. The cypress tree extract-based admixture promotes health and safety by mitigating the adverse environmental impact associated with conventional chemical additives. This breakthrough showcases the potential of sustainable practices in civil engineering and highlights the innovative spirit of Mahavir Polytechnic students. The Chairman of Mahavir Education Society, Mr. Sanghavi, Director of the Society Dr. Priyanka Zawar, Principal Dr. Sambhaji Sagare, along with all staff and students, congratulated the team for their remarkable achievement. Their hard work and innovation have brought pride to the institution and provided a valuable contribution to sustainable construction practices. Mahavir Polytechnic continues to support and encourage its students to pursue projects that blend technical proficiency with environmental consciousness, paving the way for a greener future.



Principal Dr. Sagare Receives World Record Certificate for Promoting Health and Wellness through Yoga



Dr. Sambhaji Sagare, Principal of the institute, has achieved a remarkable feat by setting a World Record in collaboration with HABUILD WORLD RECORDS UNION on International Yoga Day. Dr. Sambhaji Sagare has been awarded the prestigious World Record Certificate by HABUILD WORLD RECORDS UNION for his dedication and participation in promoting a healthier lifestyle through yoga. His commitment to inspiring wellness and mindfulness has set a significant milestone in the field of yoga. International Yoga Day, celebrated annually on June 21st, witnessed Dr. Sagare's enthusiastic participation and leadership, making a profound impact on the yoga community. The event took place online where Dr. Sagare's efforts were recognized for their exceptional contribution to promoting yoga as a means of physical and mental well-being. The World Record Certificate serves as a testament to Dr. Sagare's leadership and dedication to promoting yoga and a healthier-

-lifestyle, inspiring others to follow suit. "Yoga is a journey to inner peace and well-being, enriching body and mind. I'm honored to celebrate International Yoga Day and grateful to HABUILD for recognizing my efforts. This World Record Certificate reflects our commitment to a healthier my lifestyle,. Let's continue embracing yoga for holistic well-being and harmony." said Dr. Sambhaji Sagare on this occasion.

Civil Engineering Department Organizes Online Quiz For 'World Environment Day 2024'



The Department of Civil Engineering at Mahavir Polytechnic proudly organized an Online Quiz in celebration of World Environment Day 2024, under the auspices of the Institution of Engineers. This initiative aimed to raise awareness about the critical importance of environmental conservation, encouraging participants to reflect on their treatment of the environment. The event also highlighted the need for global action on pressing issues such as pollution, climate change, and wildlife protection, calling for a united effort to show our love and appreciation for Earth and its diverse life forms.

The quiz was available online from Tuesday, 4th June 2024, to Monday, 10th June 2024. Students and participants engaged enthusiastically, demonstrating-

-their knowledge and commitment to environmental stewardship. Upon completion of the quiz, all participants received e-certificates as a token of appreciation, which were sent to their registered email addresses.

The event was coordinated by Prof. Komal S. Gadakh, a lecturer in the department, with Prof. Satish P. Deore, Head of the Civil Engineering Department, serving as the chief coordinator. The initiative was further supported by Dr. Sambhaji V. Sagare, Principal of Mahavir Polytechnic. The event has been officially registered on the World Environment Day 2024 website, underscoring the institution's dedication to fostering environmental awareness and action among its students and the wider community.



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

-Nelson Mandela

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MIP Hosts Successful Pool Campus Drive for D. Pharmacy Students : 31 Students Secure Job Offers in Successful Pool Campus Event



Mahavir Institute of
Pharmacy
Nashik

Vision

"Mahavir Institute of Pharmacy strives to educate students to become Industry Ready Pharmacists having Professional Attitude and Groomed Personality"

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Words of Wisdom

शिक्षा वह शक्ति है जो हमें
बाहरी समस्याओं का
सामना करने की क्षमता
प्रदान करती है।
- मागरिट मीड



SMES's Mahavir Institute of Pharmacy, Nashik, in collaboration with Blue Cross Laboratories, Nashik, organized a highly successful pool campus event for D. Pharmacy students. This event aimed to bridge the gap between academia and industry, facilitating recruitment, networking, and knowledge exchange.



The primary objective of the pool campus drive was to provide students with opportunities for job placements and interactions with industry professionals. The event also aimed to help Blue Cross Laboratories identify and recruit talented pharma candidates, strengthening their ties with the academic community. The event began with representatives from Blue Cross Laboratories delivering an introductory presentation, providing students with insights into the company and the various positions available. Following the presentation, interviews were conducted in two rounds: the HR round and the Technical round. Students were interviewed for various positions within the company. Company personnel provided valuable feedback to students after the recruitment process, highlighting areas for improvement and development. This feedback was instrumental in helping students understand their strengths and weaknesses, allowing them to tailor their career strategies accordingly.



The pool campus event was a resounding success, with over 70 students participating. Out of these, 31 students secured job offers for various openings at Blue Cross Laboratories. The event not only benefited the students but also provided the company with talented individuals who could contribute to their organization. Additionally, the event facilitated meaningful interactions and collaborations between academia and industry, paving the way for future partnerships and initiatives.

The Chairman of Mahavir Education Society, Mr. Sanghavi, Director Dr. Priyanka Zawar, & Principal Dr. Anil Jadhav, along with the entire staff & student body, extend their heartfelt congratulations to the selected students. The pool campus event organized by SMES's Mahavir Institute of Pharmacy, Nashik, effectively bridged the gap between academia and industry, providing a platform for recruitment, networking, and knowledge exchange. By fostering collaboration & engagement between students, faculty members, & industry representatives, the event significantly contributed to the holistic development & employability of the students while meeting the talent acquisition needs of the companies involved.

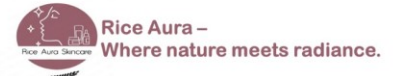
MIP Students Shine at DFIIE Pre-Incubation Program *Innovative Projects Selected for Healthcare, Biotechnology, and Social Impact Initiative "Startup Navankur"*



Team: Herbashield Insect repellent
Team Leader Rohit S. Dighe
Mentor Dr. Anil G. Jadhav



Team: WBC Booster bar
Team Leader Tejaswini Deshmukh
Mentor Dr. Atul R. Bendale



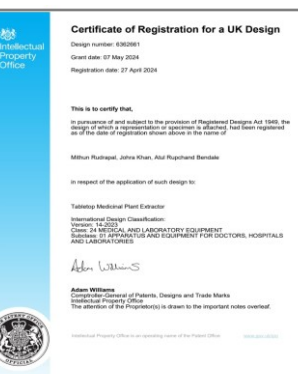
Team: Rice Aura Skin products
Team Leader Pradnya Kasar
Mentor Dr. Vasim T. Pathan

Mahavir Institute of Pharmacy is proud to announce that three teams of our third-year and final-year B. Pharmacy students have been selected for the prestigious DFIIE Pre-Incubation Program, Cohort 2.0. This achievement is part of the "Startup Navankur" initiative, a pre-incubation program focused on Healthcare & Biotechnology, Food & Agricultural Technology, and Social Impact/Innovation. "Startup Navankur," launched by the DBATU Forum of Innovation, Incubation, and Enterprise (DFIIE) – a Section 8 company promoted by Dr. Babasaheb Ambedkar Technological University (DBATU) and supported by the Maharashtra State Innovation Society (MSInS), Govt. of Maharashtra – aims to foster innovation and entrepreneurship within educational institutions. Mahavir Institute of Pharmacy's three groups selected these are:

1. Team Herbashield Insect Repellent, Team Leader: Rohit S. Dighe, Mentor: Principal Dr. Anil G. Jadhav
2. Team WBC Booster Bar, Team Leader: Tejaswini Deshmukh, Mentor: Dr. Atul R. Bendale
3. Team Rice Aura Skin Products, Team Leader: Pradnya Kasar, Mentor: Dr. Vasim T. Pathan

The DFIIE Pre-Incubation Program provides a comprehensive platform for these innovative student groups to refine their ideas, receive expert mentorship, and gain access to necessary resources to transform their concepts into viable startups. The Chairman of Mahavir Education Society, Mr. Sanghavi, Director Dr. Priyanka Zawar, and Principal Dr. Anil Jadhav, along with the entire staff and student body, extend their heartfelt congratulations to the selected teams. Their hard work and innovative spirit have not only brought pride to the institution but also paved the way for significant contributions to the fields of healthcare, biotechnology, and social impact. This selection marks a significant milestone for Mahavir Institute of Pharmacy, demonstrating our commitment to nurturing innovation and entrepreneurship among our students. We look forward to the groundbreaking developments these teams will achieve through the DFIIE Pre-Incubation Program.

Dr. Atul Rupchand Bendale Secures UK Patent *: For Innovative design 'Tabletop Medicinal Plant Extractor'*



Mahavir Institute of Pharmacy is delighted to announce that Dr. Atul Rupchand Bendale, Head of the Department of Pharmacy, has been awarded a prestigious UK patent for his innovative design, the Tabletop Medicinal Plant Extractor. This remarkable achievement, recognized by the Intellectual Property Office under Design number 6362661, highlights the groundbreaking work conducted by Dr. Bendale and his team, Mithun Rudrapal and Johra Khan. The patent, granted on May 7, 2024, signifies a major milestone for the institute, demonstrating its commitment to advancing medical and laboratory equipment. The Tabletop Medicinal Plant Extractor falls under the International Design Classification for medical and laboratory equipment, specifically apparatus and equipment for doctors, hospitals, and laboratories. Dr. Bendale's innovative design offers a practical solution for extracting medicinal compounds from plants, providing a valuable tool for researchers and

-healthcare professionals. This achievement not only showcases the ingenuity and expertise of Dr. Bendale and his team but also reinforces Mahavir Institute of Pharmacy's dedication to fostering innovation and excellence in the field of pharmacy. The Chairman of Mahavir Education Society, Mr. Sanghavi, Director Dr. Priyanka Zawar, and Principal Dr. Anil Jadhav, along with the entire staff and student extend their heartfelt congratulations to Dr. Bendale.