



VOICES



Shree Mahavir
Education Society

VOLUME NO.01 | ISSUE NO.05 | MAY23

E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, NASHIK



Shree Mahavir Education Society, Nashik: Marching Towards 25 Glorious Years of Educational Excellence

In a remarkable journey towards educational excellence, Shree Mahavir Education Society in Nashik is preparing to celebrate its momentous 25th anniversary in the upcoming academic year 2023-24. With a rich legacy of empowering students and serving the community, the society stands as a beacon of transformative education. From its modest origins at the leased premises of Jain Oswal Bording in Tilakwadi, Nashik, the society has emerged as a leading educational institution. Today, it proudly occupies a sprawling 27.5-acre campus in the picturesque village of Varvandi, Taluka Dindori, Nashik. The transformation from humble beginnings to a state-of-the-art educational hub is a testament to the society's unwavering commitment to growth and progress.

Over the past 25 years, Shree Mahavir Education Society has witnessed remarkable growth and achievements. What started with a mere 180 students 12 staff and four courses has evolved into a thriving institution with over 3,000 students. This impressive growth is mirrored by the expansion of infrastructure, which has transcended from a modest 5,000 square feet to an awe-inspiring construction spanning over one lakh square feet. The society has continuously invested in creating a conducive learning environment, ensuring that students have access to modern facilities and resources.

Central to the society's vision and accomplishments is the esteemed Mr. Harish Sanghavi, a seasoned Cost and Management Accountant with an illustrious career spanning half a century. As the Chairman of the society, Mr. Sanghavi's visionary leadership and industrial expertise have steered the institution towards greatness. His invaluable contributions to various branches of industry, coupled with his export accomplishments and advisory roles, have made him an esteemed figure in the field of education.

Another significant figure in the society's success story is the late Mrs. Varsha Harish Sanghavi, the former Vice Chairperson. Her exceptional organizational skills and expertise have played a pivotal role in the society's expansion and management. Through her dedicated efforts, large-scale projects were executed seamlessly, ensuring the smooth functioning of the institution and its various initiatives.

Now, as the society embarks on its next chapter, it entrusts the capable hands of Mr. Rahul Sanghavi, the Managing Trustee and son of Mr. Harish Sanghavi. With a deep understanding of the society's ethos and a commitment to fostering excellence, Mr. Rahul Sanghavi is poised to lead the institution towards new horizons of success and innovation. Under his leadership, Shree Mahavir Education Society will continue to empower students, promote critical thinking, and nurture the leaders of tomorrow.

Beyond academics, the society recognizes the importance of holistic development and the cultivation of essential life skills. By fostering creativity, critical thinking, and self-expression, Shree Mahavir Education Society prepares its students to become confident and responsible individuals, equipped to overcome any challenge they may face.

Since its inception in 1999, Shree Mahavir Education Society has remained steadfast in its commitment to providing high-quality education to rural areas, particularly the Dindori District of Nashik. As a non-profit educational charitable trust, the society's primary objective is to make education accessible and empowering for all, driving positive change in the community. Through initiatives such as Mahavir Polytechnic, Shree Mahavir Institute of Pharmacy, and the Sanghavi College of Engineering, the society has expanded its educational offerings to cater to diverse aspirations. Together, let us make this upcoming year a memorable one, filled with joy, unity, and a sense of accomplishment. We have much to be proud of, and there is so much more to achieve. As we march towards our 25th year, let us reaffirm our commitment to transformative education, empowering the leaders of tomorrow, and making a positive impact on society.



Dr. Priyanka Zavar
Trust Coordinator
& Dean

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

**A PERSON WHO NEVER
MADE A MISTAKE
NEVER TRIED ANYTHING NEW**

Albert Einstein



celebquote.com



‘The Industry-Education Support Program’

Mahavir Institute of Pharmacy Receives Impressive Scholarship Support from Industry for Students

Mahavir Institute of Pharmacy is happy to announce the receipt of a significant scholarship grant from one of the industry's leading organizations through their esteemed Education Support Program. A remarkable sum of nearly 17 lakh rupees has been generously awarded to deserving students, with the promise of additional support in the future.

The Industry's Education Support Program is specifically designed to empower students facing economic challenges, providing them with the means to pursue a high-quality higher education. Recognizing the financial barriers that often hinder talented individuals from realizing their educational aspirations, the program aims to nurture their careers and unlock their true potential. The substantial scholarship support received by Mahavir Institute of Pharmacy will immensely benefit deserving students who would otherwise face difficulties in affording their education. These scholarships will serve as a catalyst for these meritorious students, enabling them to follow their dreams and pursue successful careers in the field of pharmacy.

The institute expresses heartfelt gratitude to the industry for their unwavering commitment to education and their dedication to creating equal opportunities for aspiring students. The scholarships provided not only alleviate the financial burdens faced by the recipients but also inspire them to excel academically and make positive contributions to society. Mahavir Institute of Pharmacy strongly encourages all eligible students to seize this remarkable opportunity and apply for the available scholarships. The institute remains steadfast in its commitment to fostering a nurturing environment for its students and will continue to explore partnerships and avenues to support their educational journey.

Polytechnic Students Introduce Revolutionary Air Leak Detection System



Mahavir Polytechnic takes pride in announcing the groundbreaking achievement of its third-year Diploma in Mechanical Engineering students. Under the guidance of Dr. Sambhaji Sagare, they have developed an innovative Air Leak Detection System for shock absorbers used in the automotive industry.

Raj Sali, Pratik Jadhav, Mayur Ingale, and Vishal Khandavi led this remarkable project, addressing a crucial issue in the manufacturing of shock absorbers.

By detecting air leaks caused by air bubbles during the casting process, their system ensures the highest quality and reliability of these vital components. With this cutting-edge technology, manufacturers can identify and rectify minor leak holes, enhancing safety and performance. The industry has praised the students' dedication and expertise, recognizing their significant contribution to mechanical engineering.

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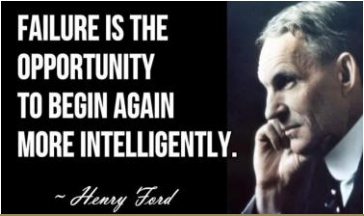
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Words of Wisdom

“ Strength does not come from physical capacity. It comes from an indomitable will.”

Mahatma Gandhi



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Words of Wisdom

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

— Steve Jobs



Groundbreaking Research Unveils the Potential of *Banana Fibre Concrete* as a Sustainable Construction Marvel

In an extraordinary quest towards sustainable construction practices, a team of brilliant minds from Mahavir Polytechnic has embarked on a groundbreaking project titled "Banana Fibre Concrete as a Construction Material." Under the unwavering guidance of the visionary Prof. R.D. Vadge, the ingenious students - Kadam Chetan Kadu, Chaudhari Rohidas Ukham, Mahale Nitin Bhagwat, Sahare Dinesh Chandrakant, and Gaikwad Jitendra Valu - set out to redefine the construction landscape.

This remarkable undertaking delves into the mechanical and physical properties of banana fibre concrete, meticulously exploring techniques to seamlessly blend the fibres into concrete mixes. By harnessing the power of these natural fibres, the project aspires to elevate construction component performance while gracefully sidestepping the environmental strains linked to conventional materials. Through an exhaustive battery of tests, the team delves into every facet of banana fibre concrete, meticulously assessing its compressive strength and suitability across diverse concrete applications. With each analysis, they seek to unleash the untapped potential of banana fibre as a sustainable alternative, poised to revolutionize the construction industry. With its abundance, cost-effectiveness, and remarkable qualities such as high tensile strength and unwavering durability, banana fibre emerges as a beacon of hope. Envisioning a future where banana fibre concrete takes center stage in sustainable construction practices, the team paves the way for a paradigm shift, an era that reverberates with resource conservation and ecological harmony.

The students' tireless dedication and unwavering commitment to eco-conscious construction methods epitomize their relentless pursuit of a greener, more sustainable tomorrow for the industry. Their research sets the stage for innovative solutions, poised to slash the carbon footprint of construction projects without compromising on structural integrity and performance. At Mahavir Polytechnic, nurturing groundbreaking initiatives and instilling a culture of innovation stands as a beacon of pride. The project underscores the institution's staunch support for empowering young, visionary minds, enabling them to confront real-world challenges head-on and become agents of transformative change in their respective domains.



Students Develop Innovative ‘Electric Bicycle’ as Final Year Project Can go upto 10 kilometers on a single Charge



In a remarkable display of innovation and engineering prowess, students from Mahavir Polytechnic, Nashik have successfully developed a cutting-edge final year project centered on the creation of an electric bicycle. The project, aptly titled 'Electric Bicycle,' aims to revolutionize the way people commute and provide an eco-friendly alternative to traditional bicycles.

The team behind this groundbreaking project comprises talented students from the third year of the Electrical Engineering program at Mahavir Polytechnic. Yaswant Jadhav, Prakash Gangurde, Akshay Jondhale, and Saurabh Ingale worked collaboratively, combining their expertise and dedication to bring this vision to life.

Electric bicycles have gained immense popularity in recent years due to their numerous advantages over traditional bikes. While resembling a regular bicycle in appearance, e-bikes are equipped with an integrated motor and battery, enabling riders to effortlessly tackle hilly terrains, cover longer distances without exhaustion, keep pace with traffic, and even tow small trailers.

The Mahavir Polytechnic students' Electric Bicycle project showcases their deep understanding of electrical engineering principles, sustainable transportation, and the growing demand for clean energy solutions. Their creation not only addresses the need for efficient urban mobility but also promotes environmental consciousness. Prof. Jaymala Pradhan, Guide of student and the Head of the Electrical Engineering Department at Mahavir Polytechnic, expressed his pride in the students' remarkable achievement. She commended their dedication, technical acumen, and teamwork throughout the project, highlighting the significant impact their invention could have on the future of transportation.

The electric bicycle prototype developed by the Mahavir Polytechnic students features advanced components, including a high-performance motor and a long-lasting battery. The design incorporates sleek aesthetics and ergonomic features to ensure a comfortable and enjoyable riding experience. The bicycle can run 10 KM in single charge. Mahavir Polytechnic intends to further support the team in refining their creation and exploring possibilities for commercialization. The Electric Bicycle project by the students of Mahavir Polytechnic stands as a testament to the institution's commitment to fostering a culture of innovation and practical learning. It serves as an inspiration to aspiring engineers and showcases the capabilities of the students in addressing real-world challenges through their technical expertise. With their ingenious final year project, the Mahavir Polytechnic students have made a significant contribution to the field of sustainable transportation. Their Electric Bicycle not only promises to redefine commuting but also represents a step forward in building a greener future.



"All our dreams can come true, if we have the courage to pursue them"

Walt Disney



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Sanghavi College of Engineering Shines at 'Anveshana – 2023' : Fostering Innovation and Social Impact



Sanghavi College of Engineering proudly participated in Anveshana - 2023, a prestigious national level science and engineering fair held in Mumbai. Under the expert guidance of Prof. Bajirao Shirole, our students showcased their exceptional talent and innovation in line with the theme of the event: "Novel Strategies and Innovative Technologies in Waste Management for Sustainable Development."

The enthusiastic team from Sanghavi College of Engineering presented remarkable projects that garnered attention and admiration. Sonali Kantilal Badgujar, Prathamesh Somnath Mohite, Rajdev Rajeshkumar Bhaskar, and Prasanna Arvind Nikam showcased their project titled "Music Recommendation System," which focused on leveraging technology to provide personalized music recommendations.

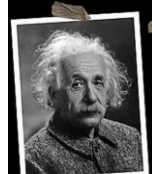
Dikshant Namdeo Yerwal, Omshree Babasaheb Guldagad, Rohit Uddhav Sonawane, and Sayali Dhiraj Bhoir exhibited their project called "Gesture Sensor Technology for OS Control." Their project demonstrated the innovative use of gesture recognition to enhance operating system control.

Additionally, Unnati Dattatray Bhangare, Sarika Krushna Jagtap, Aditya Sunil Dhage, and Rohan Shankar Randive showcased their project titled "Encryption and Decryption System." Their project highlighted the importance of data security and encryption techniques in today's digital world.

Anveshana is an exceptional science and engineering competition that culminates in a fair, providing students with a platform to exhibit their projects and models. It emphasizes hands-on learning, research orientation, and collaboration between engineering students and underprivileged school students. The college teams, comprising two members, mentored two students from nearby underprivileged schools, imparting knowledge and fostering confidence in them. This collaborative effort not only empowers the underprivileged students but also enhances the design, conceptualization, mentoring, and leadership skills of the participating engineering students. Through this competition, a total of 200 engineering students from 100 engineering colleges underwent direct training in model making, furthering their practical skills and fostering innovation.

The participation of Sanghavi College of Engineering in Anveshana - 2023 reflects our commitment to fostering excellence, innovation, and social impact. We applaud the dedication and hard work of our students and express our gratitude to Prof. Bajirao Shirole for his invaluable guidance and support. We are confident that their participation in such prestigious events will inspire more groundbreaking research and contributions to the field of science and engineering.

Words of Wisdom



"Imagination is more important than knowledge."

— Albert Einstein

Earthfill Gangapur Dam Visit: Practical Insights for Civil Engineering Students



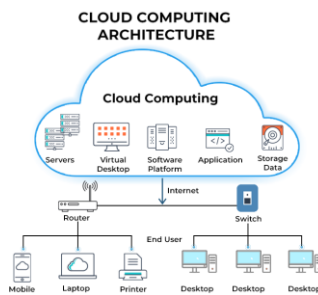
On 25th May, the Civil Engineering Department of SCOE organized a visit to Gangapur Dam in Nashik for its BE. students. The purpose of the visit was to provide the students with practical exposure and enable them to study the various components and types of dams, such as spillways, earthen dams, types of gates, capacity, structural joints, canals, and cross drainage work.

The visit was arranged by Professor Rakhi V. Sandhan for the subject "Dams & Hydraulic Structures." Gangapur Dam, located on the Godavari River in Maharashtra, India, is an earthfill dam. Gangapur Dam include a height of 36.59 meters (120.0 feet) above the lowest foundation and a length of 3,902 meters (12,802 feet). The volume content is 4,612 km³ (1,106 cu mi), and the gross storage capacity is 215,880.00 km³ (51,792.37 cu mi). Over time, the storage capacity of the dam has gradually reduced due to silt deposition in the reservoir area. Additionally, the right side canal running towards Nashik has been closed due to increased urbanization in the area. The primary purposes of Gangapur Dam are irrigation and it features an emergency spillway. The visit to Gangapur Dam provided the students with valuable insights into the practical aspects of dam engineering and hydraulic structures. The visit served as an excellent opportunity for the students to observe and study the components and functioning of a real dam. It further enhanced their understanding of dam construction, management, and the challenges associated with it. The Civil Engineering Department of SCOE aims to foster practical learning experiences for its students, and this visit to Gangapur Dam exemplified their commitment to providing quality education with hands-on exposure.

Prof. Bajirao S. Shirole Receives Cloud Computing Certification from NPTEL, MoE-Government of India.



Prof. Bajirao S. Shirole



Sanghavi College of Engineering takes immense pride in congratulating Prof. Bajirao Subhash Shirole from the Computer Engineering Department on receiving the prestigious NPTEL online certification in Cloud Computing. This certification, funded by the Ministry of Education (MoE), Government of India, is a testament to Prof. Shirole's dedication and expertise in the field. Prof. Shirole successfully completed the 12-week online course, which was offered by NPTEL in collaboration with IIT Kharagpur. The course provided in-depth knowledge and practical insights into the world of cloud computing, covering key concepts and emerging trends in this rapidly evolving domain. NPTEL, a joint venture of the IITs and IISc, has been instrumental in bringing quality education to every corner of the country. Since its inception in 2003, NPTEL has been committed to enhancing learning through technology.

Today, NPTEL offers an extensive range of 600+ courses for certification in various disciplines, providing learners with a valuable opportunity to expand their knowledge and skills. The certificate was issued by Prof. Debjani Chakraoborty, Coordinator of NPTEL at IIT Kharagpur. This recognition not only highlights Prof. Shirole's expertise but also showcases Sanghavi College of Engineering's commitment to fostering excellence in education and staying at the forefront of technological advancements. The college extends its heartfelt congratulations to Prof. Shirole for his remarkable achievement and expresses gratitude to the Ministry of Education and NPTEL for their continuous efforts in promoting quality education. Such recognitions serve as a motivation for the faculty and students to strive for excellence and contribute to the ever-evolving field of cloud computing. Sanghavi College of Engineering remains dedicated to nurturing a culture of continuous learning and professional development, ensuring that its faculty members are equipped with the latest knowledge and expertise. It is through such initiatives and achievements that the college continues to make significant contributions to the field of education and prepares students to excel in the digital age.

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

-Nelson Mandela

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Empowering Career Opportunities

Mahavir Institute of Pharmacy's Pool Campus Interview with 'Macleods'

Mahavir Institute of Pharmacy recently organized a Pool Campus Interview to provide job opportunities to the students. The objective of this event was to facilitate the placement of the students from Mahavir Institute of Pharmacy as well as students from other colleges in the region. The Pool Campus Interview was conducted in collaboration with a multinational pharmaceutical company called 'Macleods.' The company was specifically recruiting candidates for the positions of Quality Assistant and Quality Controllers. A total of 425 candidates participated in the interview, representing various educational backgrounds such as D.Pharmacy, B.Pharmacy, M.Pharmacy, and BSC/MSC. In addition to the students from Mahavir Institute of Pharmacy, students from other colleges in Nashik, Dhule, Jalgaon, Nandurbar, Ahmednagar, and Pune also had the opportunity to attend the interview. This widened the scope of the event and provided a larger pool of talent for the recruiters.

The selection process for the students consisted of three rounds: an aptitude test, a technical interview, and a final HR interview. The candidates were evaluated based on their knowledge, skills, and suitability for the roles offered by Macleods. After a rigorous selection procedure, a total of 105 students were selected from the Mahavir Institute of Pharmacy campus. These students not only secured job offers but were also given internship offer letters, providing them with valuable industry experience. The Pool Campus was a successful event. It allowed students to showcase their talents and provided them with job opportunities in the pharmaceutical industry



Words of Wisdom



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

Dr. Atul R. Bendale, Honored with "Young Researcher Award" Publishes Noteworthy Book and Two Papers



Dr. Atul R. Bendale

Dr. Atul R. Bendale, a distinguished faculty member and Head of the Department at Mahavir Institute of Pharmacy, has recently been awarded the prestigious "Young Researcher Award" at the 5th National Editors Summit 2023. The summit, titled "Unleashing the Change in Publication Scenario," was organized by the Innovative Education and Scientific Research Foundation and sponsored by IP Innovative Publication, New Delhi.

The "Young Researcher Award" recognizes Dr. Bendale's outstanding contributions to the field of pharmaceutical research and his commitment to scholarly endeavors. His remarkable achievements have made a significant impact on the academic and scientific community.

In addition to his esteemed recognition, Dr. Bendale has recently published a comprehensive book titled "Practical Manual of Inorganic, Organic & Medicinal Chemistry." The book, published by IP Innovative Publication Pvt. Ltd, New Delhi, is a collection of standard experimental procedures aligned with the new Pharmacy Council of India (PCI) syllabus. Its publication in May 2023 further enhances the academic resources available to students and researchers.

Furthermore, Dr. Bendale has made notable contributions to scientific literature with two published papers. The first paper, titled "Synthesis, Anti-Inflammatory Activity, and Molecular Docking Studies of New 1,2,4-Triazolo[3,4-b][1,3,4] Thiadiazine Derivatives," was published in the esteemed journal *Pharmaceutical Chemistry Journal*. It is indexed in Scopus (Springer) and was published on 13th May 2023.

The second paper, titled "In Silico Prediction of Antidiabetic Activity of Phytoconstituents of *Pterocarpus Marsupium* Targeting α -Amylase Enzyme," was published in the journal *Biosciences Biotechnology Research Asia*. The paper, which focuses on predicting the antidiabetic activity of phytoconstituents, was published on 1st May 2023.

Dr. Atul R. Bendale's exceptional achievements in research, publication, and scholarly contributions continue to strengthen the reputation of Mahavir Institute of Pharmacy. The institute congratulates Dr. Bendale on his remarkable accomplishments and looks forward to his continued excellence in the field of pharmaceutical sciences.



From the Classroom to the World Stage: Mahavir Students' Research Achievements Shine through National & International Journal Publications

Shubhangi R. Gadakh Final Year B.Pharm.



Name of Journal
International Journal of Research Publication and Review (IJRPR)
Title of Article: An Overview Bakuchi Seeds use as Alopecia Areata
Guide: Prof. Anagha Sarvadnya

Vedica N. Gosavi Final Year B.Pharm.



Name of Journal
International Journal of Novel Research and Development (IJNRD)
Title of Article: Quality control and Quality Assurance in Pharmaceuticals
Guide: Prof. Unmesh Bhamre

Vaibhav R. Waghchaure Final Year B.Pharm.



Aniket S. Sapate Final Year B.Pharm.



Name of Journal
International Journal of Pharmaceutical Research and Applications (IJPRA)
Title of Article: Cosmatic Science Herbal Crack Heal Cream
Guide: Prof. Kumud E.. Ahirrao

Shubham S. Mane Final Year B.Pharm.



Name of Journal
International Journal of Pharmaceutical Research and Applications (IJPRA)
Title of Article: Novel Therapies for the Treatment of Diabetes Mellitus Type 2
Guide: Prof. V.B. Bhamare

Name of Journal
International Journal of Research Publication and Review (IJRPR)
Title of Article: A Review on MHRA and USFDA Agencies
Guide: Prof. Unmesh Bhamare