



VOICES



Shree Mahavir Education Society

VOLUME NO.02 | ISSUE NO. 11 | NOV 24 E -MAGAZINE OF SHREE MAHAVIR EDUCATION SOCIETY, NASHIK

'Mahavir' Secures Patent for 'Innovative Asthma Relief Device' Breakthrough in Asthma Management: Patent Granted for Instant Relief Inhaler Device for Asthma (Design No. 434581-001)

The Shree Mahavir Education Society's, Mahavir Institute of Pharmacy, Nashik, has achieved a remarkable milestone with the grant of an Indian Design Patent (Design No. 434581-001) for their innovative creation, the "Instant Relief Inhaler Device for Asthma", on 18th November 2024. This device addresses the critical need for rapid and effective asthma management, providing instant relief during sudden asthma attacks. Asthma is a prevalent respiratory condition that affects millions globally, and innovations like this inhaler can significantly improve the quality of life for those suffering from it. The patent is the result of dedicated efforts by Prof.. Prajwal Aher, Prof. Himanshu Ahire, Dr. Vasim Pathan, and Dr. Atul Bendale, who have demonstrated exceptional expertise and commitment in pharmaceutical design and development. Their contribution not only highlights the importance of addressing unmet medical needs but also sets a benchmark in healthcare innovation. Dr. Priyanka Zavar, Director of Shree Mahavir Education Society, along with the Principal Dr. Anil Jadhav, -faculty, and students of the institute, extended their-



Dr. Atul Bendale - HOD Dr. Vasim Pathan Prof. Prajwal Aher Prof. Himanshu Ahire



-heartfelt congratulations to the team for this extraordinary achievement. This patent underscores the Mahavir Institute of Pharmacy's dedication to advancing pharmaceutical research and creating impactful solutions for healthcare challenges. Congratulations to the entire team for their visionary work and success!

Vision

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Mission

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To groom students enriching their personality and social values

EPIROC Awards Scholarships to Students of Mahavir



In a significant gesture to support education and empower young talent, EPIROC, a leading global industrial company, awarded scholarships to deserving students of Mahavir Polytechnic, Nashik under its Corporate Social Responsibility (CSR) initiative. On this occasion Mr. Sanjaykumar Bhuse,

Deputy Manager at EPIROC, stated about the scholarship distribution that, the company's dedication to nurturing future professionals through education. He congratulated the recipients and encouraged them to strive for excellence in their academic and professional journeys. Dr. Priyanka Zavar, Director of Shree Mahavir Education Society, handed over the scholarship cheques to the students. Principal Dr. Sambhaji Sagare, who acknowledged the invaluable support provided by EPIROC. He stated, "This scholarship is a beacon of hope for our students, ensuring they can focus on their education without financial hurdles. We deeply appreciate EPIROC's commitment to education and skill development." The program was successfully coordinated by key staff members of the Computer Engineering Department, including HOD Mr. Anup Sonawane, Ms. Gauri Sonawane, and Mr. Omkar Khute. Their efforts in bridging the gap between the institution and industry partnerships played a crucial role in this collaboration. The scholarship recipients, including Aryan Ashok Pawar (SYCO), Prafulla Sunil Deore (SYAN), Nilesh Genu Dhongade (TYIF), Omkar Sandip Ambekar (SYCE), and Ajay Machindra Raut (SYAN), expressed their heartfelt gratitude, emphasizing how the financial aid will boost their confidence and determination in pursuing their goals. Director Dr. Priyanka Zavar, Principal Dr. Sambhaji Sagare, HOD Mr. Anup Sonawane, and other esteemed staff members congratulated the recipients and praised their dedication to academics.

Words of Wisdom

Be kind whenever possible. It is always possible.

Dalai Lama

Atya Patya: A Thrilling Ancient Game of India

Atya Patya is a captivating and ancient Indian sport, deeply rooted in rural culture. Often played under moonlit skies in villages, it has been enjoyed for generations. Known by various names like Sur-pati, Lon-pati, Darya-banth, and more, it adapts to regional influences. In Tamil Nadu, it is mentioned as "Klithatu" in ancient literature. The game is referred to by other names like Kilethatu, Thatukodu, and Uppukodu across the state.



The Deccan Gymkhana in Pune made the first efforts to standardize the game, followed by Hind-

-Vijay Gymkhana in Baroda, which organized tournaments to popularize it. As a player, I, Prathamesh R. Adhav, a TYME student at Mahavir Polytechnic, have participated in one national, two state, and many divisional level tournaments. These experiences have enhanced my understanding of the game's strategic and physical demands.

Atya Patya is more than just a sport; it is a celebration of India's cultural legacy. It blends physical agility with mental sharpness. The game was revived in 1982 when the Atya Patya Federation of India was formed, and the first National Championship was held in Nagpur. Atya Patya holds immense potential to gain recognition on a broader scale, and I believe it should be included in school and college curricula to preserve its heritage. Atya Patya continues to thrive as a symbol of India's rich sporting history. It deserves more attention and encouragement, and I encourage everyone to experience the thrill of this incredible game.



Prathamesh Adhav - TYME

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Alumni Visit: Nikhil Salawade and Aniket Ahire Relive Their Golden Days at Mahavir Polytechnic



Mahavir Polytechnic recently welcomed two of its distinguished alumni, Nikhil Uttam Salawade (Batch of 2012) and Aniket Ananda Ahire (Batch of 2009), who visited the campus to reconnect with their alma mater. They expressed their joy at witnessing the significant development and progress of the institution, and their pride in seeing Dr. Sambhaji Sagare serving as the Principal.

During their visit, the alumni shared cherished memories of their time at the college with the staff, reminiscing about the vibrant atmosphere and the quality education they received, which laid the foundation for their successful careers. Nikhil Salawade, an entrepreneur and owner of The Design Hub, is making strides in the fields of industrial maintenance, civil works, and architectural projects, while also serving as a labor contractor. Aniket Ahire, a Senior Engineer at ONGC, shared insights into his professional journey and the various activities he oversees at ONGC, inspiring both faculty and students.



Both alumni expressed their gratitude and admiration for the teaching faculty and the supportive environment at Mahavir Polytechnic, crediting the institution for shaping their professional and personal growth. They fondly described their college days as "golden" and unforgettable.

The management, faculty, and students of Mahavir Polytechnic were delighted to host Nikhil and Aniket, and their visit serves as a testament to the enduring bond between the institution and its alumni.

Words of Wisdom

जीनियस 1% टैलेंट है... और 99% हार्ड वर्क.

अल्बर्ट आइंस्टीन



SCOE Students Visit Water Treatment Plant



Vision

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Words of Wisdom

अज्ञानी होना उतनी शर्म की बात नहीं है जितना कि सीखने की इच्छा ना रखना.



The Civil Engineering Department at SCOE organized a one-day educational visit recently to the Water Treatment Plant at Nilgiri Baug, Kailash Nagar, Amrutdham, Nashik. This visit was planned for third-year Civil Engineering students to help them connect their classroom learning with practical applications, as outlined in the Savitribai Phule Pune University (SPPU) syllabus. The visit was organized under the guidance of Prof. Toshnil H. Boraste, Head of the Civil Engineering Department, and coordinated by Prof. Pallavi P. Mapari. The Plant In-Charge, Mr. Sachin Bachhav, gave a warm welcome and explained how the plant operates. He described the steps involved in water purification, such as clarification, filtration, and disinfection, and showed the students the equipment used in the process. The visit provided the students with valuable practical experience and helped them understand how theoretical concepts are applied in real-life water treatment systems.

Prof. Swapnil Lokhande Publishes Article in Intl. Journal



Prof. Swapnil Lokhande
Mechanical Engg. Dept.

The Mechanical Engineering Department of Sanghavi College of Engineering proudly announces that Prof. Swapnil Lokhande, along with co-author Mohammed Ali, has successfully published a research article titled, "A Review of Recent Advancements in Asbestos-Free Brake Pad Development: Towards Health and Sustainability." The paper was featured in the internationally acclaimed journal *Advances in Mechanics* (ISSN 1000-0992), launched by the Chinese Sciences Academy of Engineering. The article provides an in-depth exploration of asbestos-free brake pad materials, focusing on both natural and composite alternatives. The study reviews natural materials like periwinkle shells, palm kernel fibers, banana peels, bagasse, and coconut fibers and examines composite materials with fibers such as lapinus, aramid, and Grewia Optiva, which improve braking performance while enhancing sustainability.

The research also delves into the optimization of composite formulations and discusses the health risks of brake dust exposure. These findings offer critical insights into the development of safer and more environmentally sustainable braking solutions for the automotive industry. The management of Shree Mahavir Edu. Society congratulates Prof. Swapnil Lokhande on this remarkable achievement. Director Dr. Priyanka Zawar, Principal Dr. Bajirao Shirole, along with the teaching and non-teaching staff, extended their heartfelt congratulations, acknowledging the paper's significant contribution to the field of mechanical engineering and its emphasis on health and sustainability in the automotive industry.

Trupti Tatar Selected as Junior Engineer at Parbhani PWD



Ms. Trupti Tatar, a Third-Year Civil Engineering (TE) student at SCOE, has achieved a remarkable milestone by securing the 250th rank in Maharashtra State and being selected as a Junior Engineer at PWD Dept. Parbhani. Director Dr. Priyanka Zawar, Principal Dr. Bajirao Shirole, along with the teaching and non-teaching staff, congratulated her on this significant achievement, praising her hard work and dedication. Trupti's success reflects the quality at SCOE and serves as an inspiration for her peers.

Educational Visit to Hot Mix Plant Provides Practical Insights for Civil Engineering Students



The Civil Engineering Department at SCOE, organized an educational visit to the Hot Mix Plant at Sinnar for B.E. Civil Engineering students recently. The one-day visit aimed to provide practical exposure to hot mix asphalt (HMA) production processes, enabling students to connect their theoretical knowledge with real-world industrial practices. The visit was conducted in alignment with the syllabus guidelines set by Savitribai Phule Pune University (SPPU). Under the guidance of Prof. T. H. Boraste, Head of the Civil Engineering Department, and coordination by Prof. S. S. Nayak, the visit was meticulously planned. With support from the Director of the Society, Dr. Priyanka Zawar, and encouragement from Principal Dr. B. S. Shirole, the event was a well-organized and valuable learning experience.

Thirty enthusiastic students departed from the SCOE campus at 11:00 AM to visit BP Sangle Construction Pvt. Ltd.'s Hot Mix Plant in Sinnar. The Plant In-Charge, Mr. Sachin Nawale, welcomed the students and provided an in-depth explanation of the plant's operations. Students observed key components and processes such as aggregate storage, precise batching, drying, heating, mixing, and loading procedures that produce high-quality asphalt for infrastructure projects. The visit offered students a comprehensive understanding of hot mix plant operations, including both batch mix and drum mix processes. Additionally, the students learned about the materials used, including binders and fillers, and gained insights into quality control protocols, safety measures, and environmental considerations. Interaction with industry professionals further enriched their knowledge, giving them a practical perspective on infrastructure development and construction materials. The hands-on experience significantly enhanced the students' ability to relate classroom theories to industrial applications. It also fostered critical thinking and problem-solving skills, preparing them for real-world challenges in the field of civil engineering.

Webinar on "Personal Branding" Organized by the Computer Engineering Department



The Computer Engineering Department of Sanghavi College of Engineering successfully hosted a webinar titled "Personal Branding" on November 8, 2024. The event, conducted by ZigMe, was open to students from all departments, making it an inclusive learning opportunity for skill enhancement and career development.

The webinar covered essential topics such as How to be job-savvy, Building your own brand, Gaining confidence to speak about yourself effectively. The session emphasized the importance of personal branding, skill development, and career growth in the-

-competitive field of technology. Participants showed high levels of engagement and enthusiasm, reflecting their commitment to leveraging the program for self-improvement. ZigMe, the platform behind this insightful session, is a revolutionary tool that bridges the gap between education and employment. It prepares students for modern workplace demands through personalized learning paths, targeted skill-building, and mentorship. For employers, ZigMe offers pre-vetted, job-ready candidates, reducing recruitment costs and improving retention rates by matching the right talent with suitable roles.

The Head of the Department, Prof. Pushpendu Biswas, played a pivotal role in organizing this impactful webinar, ensuring its success and providing students with valuable exposure to industry-oriented practices. Such initiatives reinforce the college's commitment to equipping students with the skills and knowledge needed to excel in their careers.



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Certificate Distribution Program for NSS Volunteers at Mahavir Polytechnic



Vision

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On 14th November 2024, a Certificate Distribution Program was held at Mahavir Polytechnic to honor the NSS volunteers who actively contributed to the successful organization of the Nashik Marathon 2024. The certificates were distributed by the hands of Dr. Priyanka Zawar, Director of Shree Mahavir Education Society, and Dr. Sambhaji Sagare, Principal of Mahavir Polytechnic, in a ceremonious event that celebrated the volunteers' dedication to community service. The Nashik Marathon 2024, organized by Striking Striders on 15th September 2024, was a significant event aimed at helping local runners qualify for the Mumbai Marathon's 21 km category. The marathon began at Green View Hotel, Trimbak Road, Nashik, & witnessed enthusiastic participation from nearly 50 students of Mahavir Polytechnic, who served as volunteers, ensuring the smooth execution of the event. Under the leadership of Mr. Aniket S. Bhange, Head of the NSS unit, & key volunteers including Raghav Vadge, Omkar Khute, and Kishor Doke, the team displayed exceptional commitment by reporting for duty as early as 5:30 AM. Their efforts, along with the active participation of staff members from Mahavir Polytechnic, Sanghavi College of Engineering, and Mahavir Institute of Pharmacy, contributed to the marathon's success. Speaking at the event, Dr. Priyanka Zawar & Dr. Sambhaji Sagare applauded the NSS unit for their dedication and emphasized the role of such activities in fostering a sense of social responsibility and community spirit among students. The certificate distribution ceremony served as a moment of recognition & encouragement for the volunteers, inspiring them to continue contributing to social causes.

Mission

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

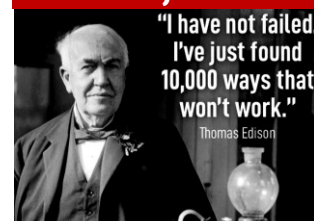
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Words of Wisdom



Polytechnic Celebrates Constitution Day with Educational Lecture



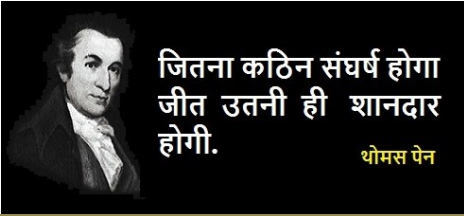
The Computer Engineering Department of Mahavir Polytechnic celebrated Constitution Day with an engaging lecture by HOD Mr. Anup Sonawane. The event commemorated the adoption of the Indian Constitution and aimed to instill an understanding of its values and significance among students. Mr. Anup Sonawane delivered a thought-provoking session on the fundamental principles of the Constitution, such as justice, liberty, equality, and fraternity. He also highlighted the role of the Constitution in guiding the nation's development and shaping a responsible citizenry. The event was successfully organized with the support of staff members Ms. Tanvi Bhagat and Mr. Prasad Sonawane. Their efforts ensured a meaningful celebration that deepened students' awareness of constitutional ideals and their relevance in contemporary society. This initiative underscores Mahavir Polytechnic's commitment to fostering not only technical expertise but also a sense of civic responsibility and national pride among its students.

Mahavir Polytechnic Student Prathamesh Excels at State Level : Ataya Patya Championship



Mahavir Polytechnic is proud to announce that Prathamesh Rajendra Adhav, a third-year student from the Mechanical Engineering Department, represented the Nashik District Team in the State Level Senior Player Ataya Patya Championship. The championship was held on 5th and 6th November 2024 in Thane, where the Nashik District Team displayed exceptional skills and sportsmanship, securing a remarkable 3rd place in the competition. This outstanding achievement reflects Prathamesh's dedication, athleticism, and team spirit, bringing pride not only to his team but also to Mahavir Polytechnic.

The Management, Director of Mahavir Education Society Dr. Priyanka Zavar, Principal Dr. Sambhaji Sagare, HOD Prof. Pooja Bhalerao, along with the teaching staff and students of Mahavir Polytechnic, congratulated Prathamesh for his exceptional performance and wished him success in all his future endeavors. Hearty congratulations to Prathamesh and the entire Nashik District Team for their commendable success!



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Two-Day Pool Campus Drive Held at MIP

37 Students Selected as 'Medical Coders' by Advantmed Pharma



Vision

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Words of Wisdom

EDUCATION IS THE MOST POWERFUL WEAPON WHICH YOU CAN USE TO CHANGE THE WORLD.

- NELSON MANDELA



A two-day pool campus drive was recently organized at Shree Mahavir Education Society's, Mahavir Institute of Pharmacy, The event was conducted by the college's Training and Placement Department in collaboration with Advantmed Pharma, a Gujarat-based multinational company. Advantmed Pharma specializes in providing high-quality healthcare services, including patient health risk assessments, medical record management, coding, and information verification. This annual campus drive attracted 438 students, including those from Mahavir Institute of Pharmacy, with B.Pharm, M.Pharm, B.Sc., and M.Sc. qualifications. Students from cities like Nashik, Sinnar, Dhule, Jalgaon, Aurangabad, and Buldhana also participated. The selection process consisted of three stages: an aptitude test, a technical interview, and an HR interview. Out of all the participants, 37 students, including several from Mahavir Institute of Pharmacy, were successfully selected as 'Medical Coders.' Their appointment letters will soon be issued by Advantmed Pharma. Dr. Anil Jadhav, Principal of Shri Mahavir Institute of Pharmacy, expressed pride in the achievement of the selected students, especially those from the institute. The management of Shri Mahavir Education Society, including Director Dr. Priyanka Zavar and Dr. Anil Jadhav, congratulated the successful students and commended the progress of the college. The success of this campus drive was made possible through the efforts of Prof. Nikita Rathod, Prof. Sneha Patil, and Prof. Namrata Navare from the Training and Placement Department, along with the dedicated support of the teaching and non-teaching staff at the college.

MIP Triumphs at DBATU 'Avishkar Zonal Level Competition 2025' Neha Joshi Secures Silver, Poonam Chavhan Wins Bronze Medal



Mahavir Institute of Pharmacy proudly excelled at Dr. Babasaheb Ambedkar Technological University's 'Avishkar Zonal Level Competition,' held on November 10, 2025, at Godavari College of Engineering, Jalgaon. A dedicated team of B. Pharmacy students represented the institute, demonstrating their commitment to innovative research. Neha Joshi and Poonam Chavhan stood out with their impressive projects in the Animal Husbandry category, achieving a Silver and Bronze medal, respectively. Neha's project, "Herbal Wriggler (Mosquito Discipline Rank Larvicides)," earned her the Silver Medal, while Poonam's "Polyherbal Powder Formulation for Lumpy Skin Disease" brought home the Bronze. These remarkable achievements were guided by Dr. Atul Bendale and a supportive faculty, underscoring the institute's strong focus on impactful research. As the only college in the district to win two medals at this prestigious competition, Mahavir Institute of Pharmacy continues to set a high standard for academic excellence and innovation. The management of Mahavir Education Society, along with Director Dr. Priyanka Zawar, Principal Dr. Anil Jadhav, faculty, staff, and students, extended their heartfelt congratulations to Neha, Poonam, and the entire team. Their accomplishments serve as an inspiration, paving the way for future research endeavors at the institute.

Dr. Atul Bendale Granted African Patent for Diabetes Research Innovative Plant-Based Diabetes Solution: Dual Inhibitors Targeting AR and GSK3β for Advanced Treatment



Dr. Atul Bendale
HOD
Mahavir Insti. Of Pharmacy, Nashik

Dr. Atul R. Bendale, HOD at Mahavir Institute of Pharmacy, has achieved a significant milestone by being granted an African patent by the Republic of South Africa. This patent is for a groundbreaking invention focused on diabetes management, jointly developed with co-researchers Mithun Rudrapal and Johra Khan. The research centers on identifying plant compounds from *Ficus septica* (*F. septica*) that act as dual inhibitors of aldose reductase (AR) and glycogen synthase kinase 3β (GSK3β), key enzymes linked to diabetes. The team's work highlights Genistein, a plant-derived compound, for its exceptional potential, showing high binding energy with AR (-7.4 kcal/mol) and GSK3β (-8.4 kcal/mol). This discovery paves the way for developing novel, targeted therapies to address the unmet needs in diabetes treatment. The patent, numbered 2024/02357, was officially granted on October 30, 2024, by the

Patent Office in Pretoria, South Africa. The invention includes methods for identifying and utilizing these compounds, along with pharmaceutical formulations for effective diabetes management. Dr. Bendale was congratulated by Dr. Priyanka Zawar, Director of Mahavir Education Society, Principal Dr. Anil Jadhav, and the entire staff and students of Mahavir Institute of Pharmacy. This achievement brings immense pride to the institution and highlights its contribution to advanced pharmaceutical research. Dr. Bendale's work showcases the potential of plant-derived solutions in addressing global health challenges and marks a significant step forward in the fight against diabetes.