

Vol
12

Winter
2024

Bits & Bytes

Computer Engineering Department

Shree Mahavir
Education Society's



'Mahavir' Celebrates Gurupurnima with Enthusiasm Honoring the Pillars of Knowledge and Wisdom.



Mahavir Polytechnic, Computer Diploma Engineering Student celebrate Gurupurnima with great enthusiasm and reverence. The events organized on Gurupurnima were a heartfelt tribute to the esteemed teachers who guide and shape the future of their students. As part of the celebration, students honored their teachers by presenting roses, delivering speeches that highlighted the invaluable role teacher's play in their lives, and expressing their wishes for their teachers' continued happiness and good health. The tradition of "Mahavir," which emphasizes respect and reverence for knowledgeable teachers, was beautifully reflected throughout the program.

Teachers, in turn, shared their wisdom and guidance, offering students valuable insights into their educational journeys and advice on how to excel in their studies and careers. The celebration underscored the deep significance of the guru-shishya (teacher-student) relationship and the vital role teachers play in the holistic development of their students. At Mahavir, the tradition of honoring and respecting teachers is not just observed but deeply ingrained in the culture. The Gurupurnima celebrations are a testament to this enduring legacy, reminding everyone of the profound impact that teachers have on the lives of their students.



Vision

"Computer Department 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.
- 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.

Editorial Team

Student co-ordinators:

- Ms. Meharin Kadari (FYCO)
- Mr. Guruprasad Podar (SYCO)
- Ms. Krushanali Patil (TYCO)

Departmental Co-ordinator

Mrs. Gauri Sonawane





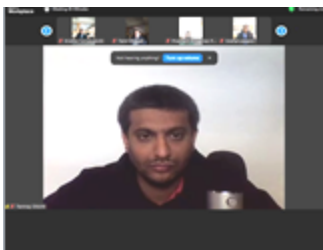
"Essence of Indian Constitution" Introduced by MSBTE Polytechnic Organizes Special Guest Lecture for 2nd Year Students.



The Maharashtra State Board of Technical Education (MSBTE) has introduced a new subject titled "Essence of India Constitution" as part of the K scheme, applicable to all branches of second-year diploma students. To mark the introduction of this essential course, Mahavir Polytechnic organized a special guest lecture featuring Adv. Nisha Anand Mandlik, an accomplished advocate with a B.A.LLM, who practices at the district court.

The lecture focused on key aspects of the Indian Constitution, including the Constitution and Preamble, Fundamental Rights and Directive Principles, Governance and Amendment, and Electoral Literacy and Voter Education. Adv. Mandlik provided insightful discussions on these topics, emphasizing the importance of understanding the Constitution's basic structure and its operative dimensions. This course is designed to explore the Indian political and legal system from a historical perspective, highlighting the events that led to the creation of the Indian Constitution. It aims to help students grasp the Constitution's fundamental political code, structure, procedures, powers, and the rights and duties of citizens. The event was a collaborative effort, with significant contributions from Prof. Anup Sonawane and Prof. Gauri Sonawane, Prof. Snehal Pagare, who worked diligently to ensure the success of the program.

Computer Engineering Department Hosts Successful Two-Day Online FDP on Cyber Security.



Mahavir Polytechnic's Computer Engineering Department, in collaboration with CyberSanskar, recently organized a successful two-day online Faculty Development Program (FDP) titled "SecureNet Strategies and Solutions for Cyber Security and Cyber Crime." Held on July 11 and 12, 2024, the program drew over 70 participants from various institutions across Maharashtra, underscoring the growing need for advanced cyber security education among faculty members. The FDP was designed to provide participants with comprehensive insights into current trends and strategies in cyber security and cyber-crime prevention. Objectives included equipping faculty members

with a solid understanding of cyber security fundamentals, exploring advanced techniques for preventing and addressing cybercrimes, discussing innovative solutions for securing network infrastructures, and providing hands-on experience through practical sessions and workshops. The event began with a welcome address from Dr. Sambhaji Sagare, Principal of Mahavir Polytechnic, followed by an introduction of the program by Mr. Anup Sonawane, Head of the Computer Engineering Department.



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The keynote address by a distinguished expert from CyberSanskar set the stage for the subsequent sessions.

The FDP concluded with a valedictory session, summarizing the key takeaways and receiving positive feedback from participants. Attendees praised the high quality of the sessions, the expertise of the speakers, and the practical value of the hands-on workshops. The interactive format and direct engagement with cyber security experts were particularly well-received. The successful completion of this FDP significantly enhanced faculty members' understanding of cyber security, improved their skills in cyber crime prevention, and raised awareness of advanced security solutions. This initiative has significantly contributed to building a more secure digital environment and enhancing the cyber security capabilities of educators across Maharashtra.



Mahavir Polytechnic Celebrates Student Success in Placements at 'Softcrowd Technologies'



Mahavir Polytechnic's Computer Engineering Department is proud to announce that five of its students Priyanka Vadje, Ishwari Gangurde, Prachi Chavan, Tirth Patel, and Gaurang Pawar, all third-year diploma students in computer engineering have secured positions as Web Developers at Softcrowd Technologies, a prominent IT company in Nashik. This remarkable achievement highlights the quality of education and the dedication of both the students and faculty at the institution. The successful placement drive, organized in collaboration with Softcrowd Technologies, attracted enthusiastic participation from final-year students. The selection process was thorough, including technical interviews-

-focused on web development skills, aptitude tests, and group discussions. These evaluations ensured that candidates possessed the necessary technical expertise and problem-solving abilities. Dr. Priyanka Zawar, Director of Mahavir Education Society, and Principal Dr. Sambhaji Sagare, along with the teaching and non-teaching staff, congratulated the students on their outstanding achievement. The faculty, particularly the Training and Placement Officer, Ms. Snehal Pagare, played a crucial role in preparing the students, providing training in technical skills, interview techniques, and soft skills. Mr. Anup D. Sonawane, Head of the Computer Engineering Department, expressed his pride, stating, "We are incredibly proud of our students for securing these placements. It is a testament to their hard work and the quality of education provided at Mahavir Polytechnic. We are grateful to Softcrowd Technologies for recognizing and nurturing young talent." The success of these students is expected to inspire current and future students at Mahavir Polytechnic, encouraging them to pursue excellence in their studies and make the most

'SMES' Celebrates Independence Day with Enthusiasm A Call to Health & Strength from Trustee Mrs. Sheetal Sanghavi.



The 78th Independence Day was celebrated with great enthusiasm at the premises of Shree Mahavir Education Society. The flag hoisting ceremony was led by Mrs. Shital Sanghavi, Trustee of the Society and an accomplished marathon runner with numerous state and national titles to her name. In her address, Mrs. Sanghavi emphasized the importance of health and fitness, urging everyone to engage in regular exercise. She stated, "To build a strong nation, each individual must be strong. A strong individual leads to a strong society, and in turn, a strong India. To stay happy and stress-free, let's focus on our health. I encourage everyone to run at least one kilometer daily." Mrs. Sanghavi also extended an invitation to students and faculty to participate in the upcoming 'Nashik Marathon' on September 15th. She stressed the importance of taking part in such events for personal well-being and community strength.



The Independence Day celebration saw active participation from Mahavir Polytechnic, Sanghavi College of Engineering, and Mahavir Institute of Pharmacy, all colleges of Shree Mahavir Education Society. Along with Mrs. Sheetal Sanghavi, the event was graced by Mr. Harish Sanghavi, Mrs. Ketaki Mundada, Director of Shree Mahavir Education Society Dr. Priyanka Zawar, Principal of Mahavir Polytechnic Dr. Sambhaji Sagare, Principal of Sanghavi College of Engineering Dr. Bajirao Shirole, and Principal of Mahavir Institute of Pharmacy Dr. Anil Jadhav.

Mr. Harish Sanghavi also addressed the gathering, providing guidance and inspiration to the attendees. The event began with a warm welcome and introduction by Dr. Sambhaji Sagare, Principal of Mahavir Polytechnic, and concluded with a vote of thanks by Prof. Sanjay Bhamre. The celebrations highlighted the institution's commitment to both national pride and the well-being of its community members.



'Mahavir' Celebrates National Space Day with Enthusiasm

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: Students Showcase Innovative Space Technology Projects



Mahavir Polytechnic celebrated National Space Day with great enthusiasm by organizing a project competition focused on space technology. The event aimed to enhance students' knowledge of space exploration and the importance of engineering efforts in this field. During the competition, students from various departments displayed their innovative models. The Computer Engineering Department exhibited models of the Pragyan rover, the Nisar satellite, the Chandrayaan mission, and the space station solar system. Students from the IT and AI Departments displayed projects such as the Moon Rover, Lunar Eclipse, Rocket Launcher, Project Mars, Vikram Lander, Aditya L1, Chandraveer, Shrushtisopan, Mangalyaan, PSLV Rocket, Astronaut models, & the Mars Colony Model. The students provided detailed explanations to attendees & judges about the successes & challenges of various space missions. Shri. Rahul Sanghvi, Trustee of Mahavir Education Society, remarked, "India leads in human knowledge and creativity in space technology. Today, we celebrate the success of the Chandrayaan-3 mission. .





Shree Mahavir Education Society's Mahavir Polytechnic, Nashik

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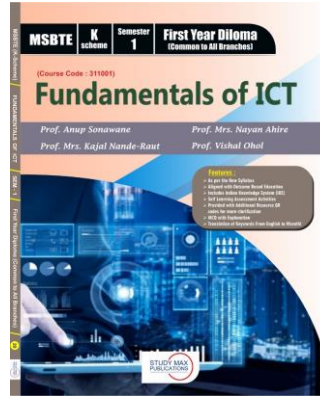
Mahavir Polytechnic Faculty Publish Comprehensive Textbook on 'Fundamentals of ICT'



Prof. Anup Sonawane
HOD – Computer Engg. Dept.



Prof. Mrs. Nayan Ahire
Information Tech. Dept.



Mahavir Polytechnic is proud to announce the publication of a new textbook titled "Fundamentals of ICT", authored by esteemed faculty members Prof. Anup Sonawane, Head of the Computer Engineering Department, and Prof. Mrs. Nayan Ahire, Lecturer in Information Technology Department. This book

has been published by **STUDY MAX PUBLICATIONS**. This comprehensive textbook is meticulously designed to align with the latest K-Scheme syllabus prescribed by the Maharashtra State Board of Technical Education (MSBTE) for Semester 1, catering to first-year diploma students across all branches (Course Code: 311001).

The authors have leveraged their extensive academic and industry experience to create a resource that not only covers the fundamental concepts of Information and Communication Technology but also enhances the learning experience through various innovative features. The "Fundamentals of ICT" textbook stands out for its commitment to Outcome-Based Education, ensuring that students achieve specific competencies and skills upon completion. It thoughtfully integrates elements of the Indian Knowledge System (IKS), providing learners with a contextual understanding of ICT within the Indian framework and promoting indigenous knowledge. To facilitate effective self-learning, the book includes a variety of assessment activities that encourage students to engage deeply with the material. Additional learning support is provided through QR codes embedded within the chapters, granting access to a wealth of supplementary resources for further clarification and study. The inclusion of multiple-choice questions (MCQs) with detailed explanations aids in reinforcing understanding and preparing students for evaluations. Understanding the diverse linguistic backgrounds of students, the authors have incorporated translations of key terminologies from English to Marathi, making the content more accessible and comprehensible to a broader audience. Director of Shree Mahavir Education Society, Dr. Priyanka Zawar, and Principal of Mahavir Polytechnic, Dr. Sambhaji Sagare, have extended their heartfelt congratulations to the authors for this significant academic contribution. They expressed confidence that this textbook will serve as a valuable resource for students.



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Mahavir Polytechnics' NSS Unit and Students Actively Support 'Nashik Marathon 2024'



The Nashik Marathon, organized by Striking Striders, commenced with great enthusiasm on September 15, 2024, at Green View Hotel, Trimbak Road, Nashik. The event aimed to help local runners qualify for the Mumbai Marathon's 21 km category. The 10 km run began at 6:00 AM, and nearly 50 students from Mahavir Polytechnic, Nashik served as volunteers, contributing to the smooth execution of the marathon. In addition to this, the entire NSS unit of Mahavir Polytechnic, led by Mr. Aniket S. Bhange, Head of NSS, with Raghav Vadje, Omkar Khute, Kishor Doke played a key role in supporting the event. The volunteers and students reported for duty at 5:30 AM, demonstrating their commitment to community service. The event saw active participation from the staff of Mahavir Polytechnic, Sanghavi College of Engineering, and Mahavir Institute of Pharmacy in the 5 KM run, aligning with the marathon's goal of promoting social causes. Director of the Society Dr. Priyanka Zawar and Principal Dr. Sambhaji V. Sagare of Mahavir Polytechnic took the initiative to ensure the success.

Engineers' Day Celebration at Mahavir Polytechnic: Inspiring the Next Generation of Engineers



Mahavir Polytechnic celebrated Engineers' Day on 15th September 2024 to honor the legacy of Sir M. Visvesvaraya, a distinguished Indian engineer. The event featured various activities aimed at enhancing students' engineering knowledge and skills while encouraging creativity and teamwork. The Computer, IT, and AI departments organized a technical quiz, 'Tech-Veer 2024,' which tested the engineering knowledge of the students. The winners of the quiz were Vivek Aher (first place) and Aryan Pawar (second place). A mobile game competition was also held, with multiple students winning prizes across different categories., Kalpesh Kale won second, and Asavari Bhagat came in third. In the PowerPoint presentation competition organized by the Electrical Engineering department, Mugdha Madne and Tanuja Tambe won first place, followed by Abhishek Rahane in second, and Harshit Kadam with Anshuman Tikle in third. A guest lecture by Mr. Aniket Agarwal, founder of Grow High Engineers, Nasik, The guest Lecture was organized by the Civil Engineering department.

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Crafting Dreams: My Artistic Adventure with Sketch Art



I'm **SNEHAL KATAD**, a third-year Computer Engineering student at Mahavir Poly, on a journey where art and innovation collide. Through my work with Lipan Art, I've transformed ideas into vibrant creations—think colorful wall hangings, whimsical flower pots, elegant mirrors, and eye-catching posters. One of my proudest pieces is a wall hanging that bursts with color and intricate patterns, capturing the essence of nature and my own experiences. Each creation isn't just decor; it's a story waiting to be told. This artistic adventure has revealed the magic of blending creativity with engineering. I'm thrilled to carry this inspiration into my future, encouraging everyone to explore their own creative paths!

I'm **AASAVARI BHAGAT**, a third-year Computer Engineering student at Mahavir Poly, on a journey where art and innovation collide. Through my work with Lipan Art, I've transformed ideas into vibrant creations—think colorful wall hangings, whimsical flower pots, elegant mirrors, and eye-catching posters. It's a story waiting to be told. This artistic adventure has revealed the magic of blending creativity with engineering. I'm thrilled to carry this inspiration into my future, encouraging everyone to explore their own creative paths!

