Shri Balasaheb Mane Shikshan Prasarak Mandal,Ambap's

ASHOKRAO MANE POLYTECHNIC, VATHAR

Vathar tarf Vadgaon, Tal-Hatkanangale, Dist-Kolhapur 416112

Department of Computer Engineering

NEWSLETTER

VOL - XI, ISSUE - I, NOVEMBER 2025

THEME - CYBER SECURITY

INSIGHTS...

- DEPARTMENTAL NEWS
- YIN ACTIVITY
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- SUCCESS STORY

VISION OF DEPARTMENT

An eminent program to meet the growing needs of IT Industry and Society.

MISSION OF DEPARTMENT

- **m1.** To provide a scholarly and vibrant learning environment that enables students to achieve professional growth
- **m2.** To impart quality technical education with emerging technology to fulfill industrial requirements
- **m3.** To develop culture for holistic development of an individual including social as well as ethical responsibilities.
- **m4.** To strengthen relationship with industries for empowering the students to work in adverse conditions.

CHIEF EDITOR
Dr. S. A. Lakade
EDITOR COMMITTEE :
Ms. S. H. Telvekar
Ms. H. J. Patil
Ms. H. A. Patil

ABOUT INSTITUTE

Shri Balasaheb Mane Shikshan Prasarak Mandal Ambap's,Vathar Tarf Vadgaon (AMPV) was established in 2008 and is located near Kolhapur. This Institute has AICTE approval for seven Diploma courses. Under the visionary leadership and administration, AMPV has emerged as a leading technological institute and is perfect destination for quality technical education. The institute has NBA accredited programmes,100% placements in MNCs, best academic results, well established labs. The institute was also honoured with not able awards.

ABOUT DEPARTMENT

The Department of Computer Engineering at Ashokrao Mane Polytechnic, Vathar Tarf Vadgaon, was established in 2008 and has been continuously evolving with emerging technologies and industry-oriented academic practices. The department emphasizes disciplined teaching in advanced computing areas such as software development, database design, cyber security, and problem-solving techniques in technology and science. The department has been awarded NBA accreditation for the academic years 2017–2019, 2019–2020, and 2020–2021. It has an annual intake capacity of 150 students, and more than 720 alumni who are successfully contributing to industry and higher education. The curriculum is flexible and allows students to focus on specific areas of interest through elective subjects. To support academic excellence, the department maintains a well-stocked library funded by the management and modern laboratories equipped with the latest hardware and software.

Message from Principal's Desk

Dr. Y. R. Gurav
Principal,
Ashokrao Mane Polytechnic ,
Vathar Tarf Vadgaon

Dear Readers

I am very happy to note that the Department of Computer Engineering of Ashokrao Mane Polytechnic Vathar tarf Vadgaon, is releasing its Newsletter enumerating the various activities and achievements of their faculty and students.

Computer Engineering is a versatile and ever green branch of engineering. A computer engineer is a professional who develops software for mobile, medical devices, supercomputers and organization's test it, design a database, crate network and provide cyber security. Also it is having wide scope for upcoming technologies like AI & ML. I hope this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best. I congratulate all the students who have put their efforts in bringing this newsletter in published form and also appreciate HOD and all faculty members for motivating their students towards this fulfilment. I wish all the team members to succeed in all their endeavours.

Dear Students, if you are determined to work hard to achieve your goal, nothing in this world can deter you from achieving your goal. However, if at the outset you fail to achieve your goal, figure out if any change is needed in your goal setting as per your potential, work with great vigorous. Don't stop to strive hard until you succeed, do smart work and see success will be yours. Telling reasons is easy, equally easy is finding reasons but achieving success and sharpening your career is more important,isn't it?
Once again I wish best luck in all your endeavours.

Message from Editor's Desk

Dr. S. A. Lakade
H.O.D. Computer Engineering
Ashokrao Mane Polytechnic ,
Vathar Tarf Vadgaon

Greetings to faculties and friends!

I feel privileged to work under the guidance of a leader with exceptional credentials and vast experience, who continues to inspire and strengthen our teaching and learning environment. This newsletter has been thoughtfully named as a tribute to his significant contributions to the field of Science and Engineering.
The objective of this newsletter is to showcase the departmental profile and highlight the various technical and non-technical activities that contribute to the holistic development of our students. It also serves as a platform to encourage both faculty members and students to publish their technical work and share their achievements in co-curricular and extra-curricular domains.

I sincerely thank our Principal and Management for their constant encouragement, guidance, and support in bringing out this newsletter. I also extend my heartfelt appreciation to my colleagues and students for their dedication, cooperation, and efforts in making this publication possible.
As rightly stated, "The best leader is one who has the wisdom to choose capable individuals and the self-restraint to allow them to perform their responsibilities independently." The Department of Computer Engineering remains committed to providing innovative, quality education while maintaining high academic standards to achieve excellence.

I would like to advise my students to first develop a strong foundation by thinking within the framework, which will empower them to confidently pursue their out-of-the-box aspirations. Focus on continuous improvement, execute every task with precision, and make optimal use of the educational facilities provided. This approach will help ignite your potential and guide you toward achieving your future goals.

Events Organized by Department of Computer Engineering

Induction Programme-2K25

The Department of Computer Engineering organized an Induction Program along with the Felicitation of Second-Year Meritorious Students on 1st July 2025. The program was conducted with the objective of welcoming students to the new academic year and creating awareness about the MSBTE academic calendar, examination scheme, departmental rules, discipline, and available co-curricular and extra-curricular activities.

The program also aimed at motivating students by recognizing academic excellence. Students who secured first, second, and third ranks in the previous academic year were felicitated with notebooks as a token of appreciation and encouragement. This recognition inspired other students to work hard and strive for better academic performance.

A detailed departmental presentation was delivered during the program, highlighting the vision and mission of the department, academic achievements. Information regarding laboratory facilities, industry-oriented activities, technical clubs, internships, workshops, and competitions was also shared to familiarize students with the departmental ecosystem.

Dr. S. A. Lakade, Head of the Department, addressed the students and emphasized the importance of discipline, punctuality, goal setting, and participation in technical activities.

Principal Dr. Y. R. Gurav encouraged students to adopt consistent learning habits, innovation, critical thinking, and ethical values. He highlighted the importance of upgrading technical skills, embracing emerging technologies.

Guru-Pournima-2K25

The Department of Computer Engineering celebrated Guru Pournima on 10th July 2025 with great respect, devotion, and enthusiasm. The event was thoughtfully organized by the Second Year Computer Engineering students to honor teachers and mentors for their invaluable guidance and contribution to students' academic and personal growth.The program commenced with lamp lighting and Saraswati Pooja, symbolizing the removal of ignorance and the pursuit of knowledge. The event was graced by the presence of distinguished dignitaries including Principal Dr. Y. R. Gurav, Head of the Computer Engineering Department Dr. S. A. Lakade, Academic Coordinator Mr. P. T. Hasbe, and Head of the AIML Department Mrs. S. I. Mulla. Their presence added great value and inspiration to the celebration. In his address, Principal Dr. Y. R. Gurav inspired students to recognize and respect the role of teachers not only on Guru Purnima but throughout their lives. He emphasized that teachers act as guiding lights who help students navigate both academic challenges and real-life situations.

The event concluded with a vote of thanks, expressing sincere appreciation to all faculty members, staff, and students for their active participation and cooperation.

Engineer's Day

Techno Debate

On the occasion of Engineer's Day, the Department of Computer Engineering organized a **Technical Debate Competition** today with great enthusiasm and active participation from students. The objective of this event was to encourage critical thinking, improve communication skills, and enhance technical knowledge among the participants. The competition was evaluated by the esteemed judges **Mr. Dayanand Kambale** and **Ms. Snehal Sonalkar**. Both the judges observed the participants carefully and judged them on parameters such as content knowledge, clarity of thought, confidence, communication skills, and logical reasoning.

They also appreciated the efforts of all the students and gave constructive feedback, which will surely help the participants in their future endeavours. The event witnessed thought- provoking discussions where students confidently presented their perspectives on various technical topics. Their performance reflected deep research, logical reasoning, and effective communication skills.

At the end of the competition, the Prize Distribution Ceremony was graced by our respected HOD, **Dr. S. A. Lakade** , and Principal, **Dr. Y. R. Gurav** . On this occasion, Principal Sir motivated the students with his inspiring words and appreciated the efforts taken by the participants and organizers.

🏆**Winners:** Maithili Nikam and Sayali Mandale from Elections and Computer Engineering Department

🥈 **Runners-Up**: Chetan Dhale and Omkar Patil from Computer Engineering Department

Models representation of Generations of Computer

Inauguration of Computer Evolution Exhibition by Auspicious hands of Hon. Vijaysinh Mane.

The Department of Computer Engineering, organized a special program titled "Representation of Generations of Computers" on 15th September 2025. The event was inaugurated by Principal Dr. Yuvraj Gurav and Hon. VijaySinh Mane. During the program, students presented detailed information on the various generations of computers and the evolution of operating systems. Students also highlighted advancements such as the transition from punch cards to graphical user interfaces, the rise of microprocessors, and the development of portable and high-performance computing systems. The program encouraged active participation, teamwork, and presentation skills among students. Overall, the event proved to be informative and engaging, helping students gain a clear perspective on the growth of computer technology and its impact on modern society.

YIN ACTIVITIES 2K25

MAJH COLLEGE MAJHI SWACCHATA

The department of computer engineering in association with **YIN(Young Inspirators Network)** of "Sakal Samuh" had arranged an event of "MAJH **COLLEGE MAJHI SWACCHATA"** on **18th July 2025** to raise awareness among students and citizens about cleanliness ,hygine and environmental responsibility. The assistant administrator of YIN Mr. Avdhoot Gaikwad was the chief guest for this event. As well as the president of YIN Ms. Vaishanvi Gurav and vice-president of YIN Mr. Revan Kudalakar were present. The cleanliness drive was conducted within college premises and nearby surroundings. Nearly 250+ students ,teaching and non-teaching staff ,YIN coordinators ,president ,vice president and volunteers were participated in this event.

Overall, the initiative successfully strengthened the message of cleanliness and environmental consciousness, making the event a grand success and inspiring participants to continue practicing cleanliness beyond the campus.

TREE PLANTATION

Raising awareness about the importance of trees is crucial for offering cleaner air and mitigating the impacts of climate change . The department of computer engineering in association with **YIN (Young Inspirators Network)** of "Sakal Group" had arranged an event of **"Tree Plantation "on 19 th July 2025** to contribute to a greener environment and promote ecoawareness among students .The assistant administrator of YIN Mr. Avdhoot Gaikwad was the chief guest for this event . We planted variety of indian trees across the college campus and nearby areas which can gave us fruits ,shade as well as medicines. Saplings including Neems, Blackplum ,Tamarind ,Banyan tree ,Pongame oiltree ,Sacred tree ,Jackfruit. The event strengthened students' sense of environmental responsibility and promoted sustainable practices, making the plantation drive a meaningful and successful initiative.

POLICE MITRA IN NAVRATRI FESTIVAL 2K25

The Computer Engineering Department, in collaboration with **YIN (Young Inspirators Network)** of the Sakal Group, organized a **"blood donation"** activity on **19th August 2025 at the Sakal Office.** Volunteers from all departments participated in the event. Blood donation is a vital act of helping others and saving lives. Donated blood is used for patients undergoing surgeries, accident victims, cancer patients, and individuals with serious medical conditions who require regular transfusions. This was a wonderful opportunity for our students.

YIN (Young Inspirators Network) of the Sakal Group organized a Police Mitra activity on the occasion of the **Navratri festival** to assist the police **at Ambabai Temple** during the celebrations. The Computer Department took the initiative to contribute to this activity. So the college encouraged the students to work as Police Mitra during the Navratri festival at Ambabai Temple, Kolhapur. Our students served as volunteers from **25th September 2025 to 30th September 2025** under the guidance of the Kolhapur Police. Thus the students gained an incredible experience by working with the police.

BLOOD DONATION

This moment was captured duringthe discussion with the Assistant Administrator of YIN,Mr. Avdhoot Gaikwad.

UNITY MARCH

On the occasion of the birth anniversary of Sardar Vallabhbhai Patel, an **Ekta Padyatra (Unity March)** was organized in Kolhapur under the **'Ek Bharat, Shreshtha Bharat'** initiative.

The Unity March began from Police Parade Ground and was formally inaugurated by the Additional District Collector Sanjay Shinde, who flagged off the march. On this occasion, he emphasized that national unity is the true strength of India, and called upon citizens, especially the youth, to uphold unity and integrity. The march witnessed enthusiastic participation from schools, colleges, local youth organizations, NSS units, NCC cadets, volunteers, and citizens. Our students ,YIN coordinators and volunteers were also present. **Dr. Yuvraj Gurav** administered the **pledge of "Ek Bharat, Shreshtha Bharat"** to all participants. He emphasized the importance of national unity and integrity, stating that citizens should rise above differences and work together for the progress of the nation.

EXPERT LECTURES

Building a Skill-Based Career in the Software Industry

The Department of Computer Engineering, in association with COMPESA, organized an alumni expert lecture on **2nd August 2025** as part of **MSBTE curriculum** enrichment and industry–institute interaction activities. The topic of the lecture was **"Building a Skill-Based Career in the Software Industry"**, delivered by our esteemed alumnus **Mr. Kartikeya Shivprakash Tiwari.** The session began with the felicitation of the expert, which was conducted by our respected Principal, Dr. Y. R. Gurav, and Head of Department, Dr. S. A. Lakade. This was followed by a formal welcome and introduction of the expert by Ms. N. V. Shewale. The session was then handed over to Mr. Tiwari, who initiated an interactive discussion with the Second year. He addressed various current challenges in the software industry, discussed common project pitfalls and how to overcome them, and guided students on how to secure admission into top institutions or get placed in reputed companies after diploma engineering. The lecture concluded with a vote of thanks delivered by Ms. S. H. Telvekar. The event proved to be highly informative and inspiring for the students.

Data Analytics and Data Visualization using Qlik Sense

The Department of Computer Engineering, in association with COMPESA, organized an expert lecture on **"Data Analytics and Data Visualization using Qlik Sense" on 11th August 2025** to support **MSBTE curriculum** requirements, delivered by **Mr. Onkar Prakash Kokare**. The program began with the felicitation of the expert by Academic Coordinator Prof. P. T. Hasabe and Head of Department Dr. S. A. Lakade. This was followed by a welcome speech and introduction of the guest by Ms. Zoya Momin. The session was then handed over to Mr. Kokare , who started with an interactive discussion with students. The session was then started with an interactive discussion with students. He explained to the students what data is and what the data analytics process involves. He also introduced Qlik Sense technology to them. He engaged with second-year students, addressing current challenges in the industry, strategies to overcome project-related issues, and guidance on how to get into a dream company or college after diploma engineering. The session concluded with a vote of thanks delivered by Mr. Aditya Kadam.

The teaching and non-teaching faculty of the Computer Engineering Department attended the session and contributed significantly to its smooth and successful execution.

Advanced Cloud Computing Technology Hands On Practice

The Computer Engineering Department of Ashokrao Mane Polytechnic, Vathar Tarf Vadgaon successfully organized an Expert Lecture on **"Advanced Cloud Computing Hands-On Practice" on 25 September 2025** to fulfill **MSBTE academic guidelines.**

The objective of this session was to provide students with practical knowledge and in-depth understanding of Advanced Cloud Computing Technology.

The lecture was delivered by **Mr. Ranjit Vandakar,** Managing Director, Bits Techo. He shared his expertise with the students on various cloud platforms, deployment strategies, and hands-on practice. This enabled the students to gain knowledge of cloud computing applications used in the industry and helped them strengthen their technical skills as well as their industrial sector knowledge.

At the conclusion of the lecture, Dr. S.A. Lakade expressed heartfelt gratitude towards Mr. Ranjit Vandakar. The program was successfully conducted with the special support of Principal Dr. Y.R. Gurav Sir, HOD Dr. S.A. Lakade, Mr. P.T. Hasabe Sir, and the entire Computer Department staff.

ALUMINI'S SPEAK

Name - Kiran Vilas Katkar
Organization Name - Tata Consultancy Services,Pune
Designation - Senior Engineer - Power Platform
IT experience - 10 Years

My name is Kiran Vilas Katkar, and I proudly belong to the APMV 2011-12 batch. It is truly an honor to stand here today and express my heartfelt gratitude to an institution that has played a crucial role in shaping my academic journey and my life.

APMV is not just a college for me—it is a place that nurtured my dreams and helped me achieve one of my biggest goals: securing admission to TCS. This achievement would not have been possible without the constant guidance, motivation, and blessings of my respected teachers.

I would like to sincerely thank N. R. Patil Ma'am, Nangre Sir, Kavale Sir, Barawade Sir, Lakade Sir, and all our dedicated lab assistants. Their unwavering support, patience, and belief in me inspired me to push my limits and strive for excellence.I was also fortunate to serve as a Cultural Event Co-ordinator, a role that taught me invaluable lessons in leadership, responsibility, time management, and teamwork.

My three years at APMV were filled with learning, friendships, challenges, and countless memories. The supportive environment, well-equipped labs, and encouraging faculty made this journey enjoyable and meaningful.

To my juniors, I would like to say—make the most of every opportunity you receive here. Believe in yourselves, respect your teachers, and never hesitate to dream big. APMV will always stand by you if you are willing to work hard and stay committed.

I will always remain grateful and proud to be an alumnus of APMV. This institution has given me a strong foundation, unforgettable memories, and lifelong values. Thank you, APMV, for everything.

FACULTY'S SPEAK

Cyber Security Tools

Ms. S. H. Telvekar
Lecturer
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

What is cyber security?

Cyber security is the practice of protecting computers, mobile devices, networks, data, and online systems from cyber attacks, unauthorized access, or damage. Cyber Security tools are software applications or utilities used to protect systems, networks, and data from cyber threats. These tools help detect, prevent, and respond to cyber attacks. They are essential for maintaining security in organizations, monitoring vulnerabilities, and ensuring safe digital operations

Below is a major examples of cyber security tools:

1. Firewall- It filters incoming and outgoing traffic based on security rules.

Functions of a Firewall:

    Blocks unauthorized access

    Allows safe and approved communication

    Prevents malware from entering the network

Examples:

    Windows Firewall , Cisco ASA

2. Antivirus and Anti-Malware Tools

These tools protect computers from harmful programs such as viruses, worms, trojans, and ransomware.

Functions:

    Scans and removes malicious software

    Provides real-time protection

    Detects suspicious activity

Examples:

    Quick Heal , McAfee

Cyber security tools are essential for protecting digital systems from attacks.

Ms. H. J. Patil
Lecturer
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

FACULTY'S SPEAK

Digital well-being: Balancing connectivity, productivity and mental health

Digital well-being focuses on creating a healthier relationship with technology by managing attention, reducing digital overload, and improving mental clarity. It emphasizes using devices intentionally rather than constantly, adopting habits such as focus modes, notification control, mindful screen-time, and curated app usage. Increasingly, AI tools assist users by detecting stress patterns, suggesting healthy routines, and guiding balanced device behavior. Trends such as minimalist tech practices, dopamine detox days, and improved work-life boundaries help reduce anxiety and maintain steady attention.

Digital well-being also supports better sleep, emotional stability, and productivity through conscious screen habits, healthier social-media consumption, and device-free routines that restore focus and mental energy.

Signs of Poor Digital Well-Being

- Checking your phone constantly
- Feeling anxious without your device
- Losing focus while studying
- Poor sleep due to late-night screen use
- Lack of real-life social interactions
- Reduced productivity

Benefits of Maintaining Digital Well-Being

- Better mental health
- Improved focus and productivity
- Better sleep quality
- Healthier relationships
- Less stress and anxiety
- Balanced online–offline life

To maintain digital well-being, it is important to set screen-time limits, manage notifications, take regular digital detox breaks, prioritize face-to-face communication, and use technology mindfully. A balanced approach leads to better focus, improved sleep, reduced stress, and a healthier lifestyle.

Ms. M. A. Ballal
Lecturer
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

FACULTY'S SPEAK

Artificial Intelligence in Education — From Automation to Augmentation

Artificial Intelligence is redefining education by shifting the focus from automation of routine tasks to augmentation of human intelligence. AI-driven tools now support personalized learning paths, intelligent assessment, and real-time feedback, enabling educators to address diverse learner needs with precision. Technologies such as adaptive learning systems, learning analytics, and natural language processing enhance content delivery, identify learning gaps early, and improve academic outcomes. However, the true value of AI lies in its responsible integration—where ethical use, data privacy, and human judgment remain central.

Future of Artificial Intelligence in Education

- Smart Learning Environments

AI-powered classrooms with intelligent monitoring and automation.

- Industry-Oriented Learning

AI will help align education with industry needs through skill mapping and career guidance.

- Advanced Virtual Laboratories

More realistic simulations for science, engineering, and technical subjects.

- Predictive Academic Support

Early identification of learning difficulties and dropout risks.

- Hybrid Teaching Models

A balanced combination of AI tools and traditional teaching methods.

Scope of Artificial Intelligence in Education

- Skill-Based and Outcome-Oriented Learning

Supports project-based learning and competency development.

- Career Guidance and Placement Support

AI systems assist students in identifying suitable career paths and internships.

- Inclusive and Accessible Education

Supports learners from diverse backgrounds through language and learning assistance.

- Faculty Support and Development

Helps in curriculum planning, assessment analysis, and academic improvement.

- Emerging Career Opportunities

Creates demand for roles such as AI specialist, data analyst, automation engineer, and AI support professional.

Ms. Harshada Patil
Third Year Student
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

STUDENT'S SPEAK

Metaverse and Virtual Reality

The Metaverse and Virtual Reality(VR) are transforming how people interact with technology by creating immersive digital environments. Virtual Reality allows users to experience computer-generated worlds through headsets and motion controllers, while the Metaverse connects these virtual spaces into a shared, interactive digital universe. These technologies are reshaping industries by making digital experiences more realistic and engaging.

Applications of Metaverse and Virtual Reality

•**Education:**Virtual classrooms, 3D learning environments, and virtual labs for better understanding of complexsubjects.

•**Gaming:**Immersive games with real-time interaction and realistic virtual worlds.

•**Healthcare:**Virtual therapy, surgical training, and mental health treatments using simulated environments.

•**Business:**Virtual offices, meetings, and remote collaboration through digital avatars.

•**Retail:**Virtual showrooms and try-before-you-buy shopping experiences.

Career Scope in Metaverse and Virtual Reality

MetaverseandVR technologies open doors to exciting Career opportunities such as:

•VRDeveloper

• AR/VR Designer

• 3D Game Developer

• Metaverse Architect

• Simulation Engineer

•UX/UIDesigner for Virtual Environments

Future Trends

•MixedReality combining real and virtual worlds

•AI-poweredvirtual characters and environments

•Virtualeconomies and digital assets

Mr. Chetan Dhale
Third Year Student
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

STUDENT'S SPEAK

QR Code Scams: Think Before You Scan

QR codes have become a convenient toolfor payments,registrations, menus, and quick access to digital services. However, their widespread use has also made them a growing target for cybercriminals. QR code scams are a silent yet dangerous form of cyber attack that can lead to financial loss and data theft, especially among students.Attackers often replace genuine QR codes with fake ones or circulate malicious QR codes through posters, emails, and social media.

Attackers often replace genuine QR codes with fake ones or circulate malicious QR codes through posters, emails, and social media. Scanning such codes may redirect users to fraudulent websites, trigger malicious downloads, or collect sensitive information such as login credentials and payment details.

Common QR Code Scam Risks:
1. Fake Payment QR Codes: Redirect users to attacker-controlled accounts.
2. Malicious Website Redirection: Leads to phishing or malware-infected sites.
3. Data Theft: Personal and financial information is captured without user awareness.
4. Public Place QR Tampering: Genuine QR codes replaced in restaurants, parking areas, or campuses.

Safety Measures
Verify the source before scanning a QR code
Avoid scanning QR codes from unknown or suspicious locations
Do not enter sensitive information on unverified websites
Use trusted payment and security applications.

QR codes should be used with caution. By staying alert and adopting safe digital habits, students can protect themselves from QR-based cyber threats and ensure secure use of digital technologies.

STUDENT'S SPEAK

Ms. Prajwali Kamble
Second Year Student
Computer Engineering
Department
Ashokrao Mane
Polytechnic,Vathar

How AI is Transforming Today's World

Artificial Intelligence (AI) is reshaping modern life by improving speed, accuracy, and efficiency in almost every industry. From healthcare to daily gadgets, AI is becoming a key part of the digital world.AI is transforming today's world by improving how we work, learn, travel, and live. While it brings great advantages, it must be used ethically and responsibly to protect privacy, fairness, and human values.
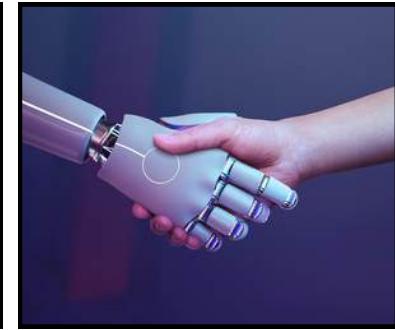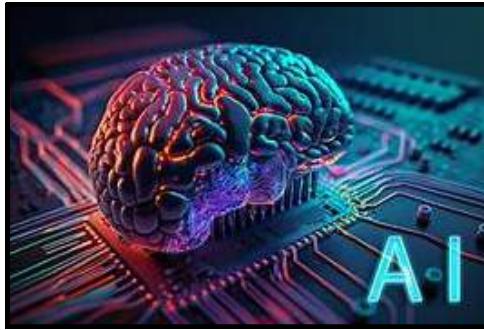
Uses:
- Automating repetitive tasks
- Making smarter, data-driven decisions
- Enhancing communication through chatbots and virtual assistants
- Improving medical diagnosis
- Personalizing online services like shopping or streaming

Limitations of AI
- Can produce biased results if data is biased
- Expensive to build and maintain
- May threaten some jobs through automation
- Raises privacy and ethical concerns

Application
- Healthcare: Predicting diseases, robotic surgeries
- Education: Smart learning tools, personalized teaching
- Transportation: Self-driving cars, traffic prediction
- Finance: Fraud detection, digital banking
- Manufacturing: Smart factories, quality control
- Daily Life: Smart homes, voice assistants

FACULTY'S ACHIEVEMENTS

Ms. Harshada Jaysingh Patil, faculty of the Computer Engineering Department, successfully completed the NPTEL online course on Cloud Computing. She achieved a commendable score of 80% in this 12-week course.
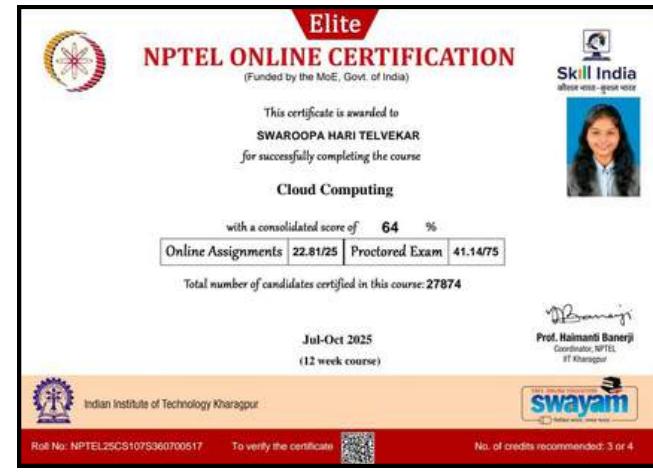
Ms. Swaroopa Hari Telvekar , faculty of the Computer Engineering Department, successfully completed the NPTEL online course on Cloud Computing. She achieved a commendable score of 64% in this 12-week course.

Ms. Manasvi Arun Ballal, faculty of the Computer Engineering Department, successfully completed the NPTEL online course on Database Management System. She achieved a commendable score of 67% in this 12-week course.

Ms. Jyoti Appaso Shinde, faculty of the Computer Engineering Department, successfully completed the NPTEL online course on Introduction to Operating System. She achieved a commendable score of 62% in this 12-week course.

STUDENT'S ACHIEVEMENTS

Honoring the Academic Excellence of Our Students in MSBTE Summer 2025

Third Year Toppers

1st Rank	2nd Rank	3rd Rank
Ms. Gurav Vaishnavi Prakash	**Ms. Tandale Sneha Uday**	**Ms. Patil Shravni Vilas**
92.24 %	**90.82 %**	**90.71 %**

Second Year Toppers

1st Rank	2nd Rank	3rd Rank
Ms. Patil Arpita Dilip	**Mr. Dhale Chetan Jaku**	**Ms. Patil Aditi Sandip**
91.88 %	**90.82 %**	**90.71 %**

STUDENT'S SPECIAL ACHIEVEMENTS

Google Student Ambassador

We are proud to announce that our third year student **Kedar Otari** has been selected for an opportunity with **Google** to work as a **Brand Ambassador.** This achievement reflects his strong **technical aptitude, communication skills, and leadership** qualities. Such recognition from a global organization like **Google highlights** the **quality of talent** nurtured at our institute and serves as motivation for other students to pursue excellence and industry engagement.

ORNET 2K25

Third-year Computer Engineering students **Aditi Patil** and **Arpita Patil** represented the institute at **ORNET 2K25**, held at the **Sharad Institute of Technology**, and secured **Second Rank in the Paper Presentation Competition**. They presented innovative ideas on Augmented Reality (AR), Virtual Reality (VR), and Extended Reality (XR). Competing with talented participants from various institutions provided them with a valuable learning experience. This achievement enhanced their confidence and presentation skills and reflects the department's continuous encouragement toward **research, innovation, and technical excellence.**

INDUSTRY'S SPEAK

President of IT Association Kolhapur

Mr. Pratap Patil
CEO
Walstar Technologies Pvt. Ltd
Total years of experience : 15+ years

Dear Readers,

We are proud to present the inspiring journey of **Mr. Pratap Patil, CEO of Walstar Technologies Pvt. Ltd**., Kolhapur. **Established in 2017**, Walstar Technologies is a fast-growing IT company built on innovation, commitment, and a clear vision for digital excellence, with a **strong global presence.**

Under Mr. Patil's leadership, Walstar Technologies has emerged as a trusted technology partner for clients across **India, Australia, and USA**, delivering reliable and scalable digital solutions. The company offers a comprehensive range of services, including **Website Development, Mobile App Development, ERP/CRM Systems, E-commerce Websites, UI/UX Design, Digital Marketing, and Maintenance & Support**—each designed to address real-world business challenges and support organizations in their digital transformation journeys.

What makes Mr. Pratap Patil's journey particularly inspiring for students is his belief in **continuous learning, hands-on experience, and persistence**. From building strong technical teams to delivering value-driven solutions for global clients, his leadership reflects how vision, discipline, and dedication can turn ideas into impactful enterprises. Today, **Walstar Technologies stands as a symbol of growth through innovation**, inspiring young professionals to pursue their goals with confidence, consistency, and determination.
"Success is not about where you start, but about the courage to begin, the discipline to stay consistent, and the vision to keep moving forward."

Dream Computer: Empowering Businesses Through Digital Innovation Since 2008

Mr. Vijay Mole
CEO
Dream Computer
Total years of experience : 15+ years

Dear Readers,

In today's rapidly evolving digital economy, a strong online presence is no longer optional—it is essential. For over a decade, **Dream Computer** has been at the forefront of this digital transformation, helping businesses leverage technology to build visibility, efficiency, and sustainable growth.

Founded in 2008, Dream Computer is a well-established **website design and development** company with a strong reputation for delivering reliable, scalable, and business-centric digital solutions. With hundreds of satisfied customers across diverse industries, the company has consistently demonstrated its commitment to quality, innovation, and long-term client success. Dream Computer offers an end-to-end portfolio of services designed to meet the evolving needs of modern enterprises. The company specializes in **crafting visually appealing, technically robust, and performance-driven digital platforms.**

What sets Dream Computer apart is its **client-first philosophy.** The company believes that successful digital solutions are built on a deep understanding of business requirements, user behaviour, and market trends. From initial consultation to deployment and ongoing support, Dream Computer follows a transparent and collaborative development process.
"Technology delivers its true value only when it aligns with business goals. At Dream Computer, our mission is to build digital solutions that grow with our clients."

SUCCESS STORY

Mr.Suraj Sutar
TY CO
Alumini 2015-16

My journey in the field of technology began at Ashokrao Mane Polytechnic, where I completed my Diploma and developed a strong interest in programming and hands-on learning. Coming from a diploma background, stepping into the professional world was challenging. Like many students, I faced uncertainty about growth, exposure, and how to transform academic knowledge into real-world skills.The turning point came in 2017 when I joined **Walstar Technologies** as a **Junior Developer.** With the right guidance, continuous learning, and practical exposure, I was able to build a strong technical foundation and gain confidence. The supportive work culture, mentorship, and opportunities to work on live projects played a crucial role in shaping my career.Over time, I expanded my expertise across **Shopify, WordPress, and Backend Development using PHP,** delivering robust and scalable digital solutions.

Consistent effort, adaptability, and a willingness to learn helped me grow professionally. Today, I am proud to work as an **Manager at Walstar Technologies**, leading teams, managing projects, and delivering impactful technology solutions for global clients.

To students and aspiring professionals, I would say—believe in your potential, stay focused, and never stop learning. With patience, dedication, and the right attitude, every challenge becomes a stepping stone toward success.

"It's not where you start, but how far you're willing to go that matters."

Theme for Next Issue:
Future Technologies and Emerging Trends

Future technologies and emerging trends include innovations such as Artificial Intelligence, Internet of Things, blockchain, cloud and edge computing, 5G networks, robotics, AR/VR, green technology, and quantum computing. These technologies are reshaping industries by enabling smarter automation, faster communication, improved security, and sustainable development. They are also creating new career opportunities and changing how people learn, work, and interact, leading toward a more connected, efficient, and technology-driven future.These technologies are driving digital transformation across sectors such as education, healthcare, industry, agriculture, and governance by improving speed, accuracy, automation, and security.

ABOUT THEME : CYBER SECURITY

Cyber security is important because it protects computers, networks, and data from unauthorized access, attacks, and damage. In today's digital world, individuals, organizations, and governments rely heavily on technology, making cyber security essential.

Why Cyber Security Is Important:

- Protection of Sensitive Data

Cyber security safeguards personal information, financial data, and confidential business or government records from theft and misuse.

- Prevention of Cyber Attacks

It helps prevent attacks such as hacking, malware, ransomware, phishing, and denial-of-service (DoS) attacks that can disrupt systems and cause huge losses.

- Business Continuity

Strong cyber security ensures that systems run smoothly without interruptions, helping organizations avoid downtime and maintain productivity.

- Financial Protection

Cyber attacks can lead to heavy financial losses due to data breaches, legal penalties, and recovery costs. Cyber security reduces these risks.

- Trust and Reputation

Organizations that protect user data gain customer trust. A single data breach can damage reputation permanently.

Future of Cyber Security

1. Increasing Demand for Professionals
2. With rising cyber crimes, the demand for cyber security experts will continue to grow globally.
3. AI and Machine Learning in Security
4. Future cyber security systems will use AI to detect and respond to threats faster and more accurately.
5. Advanced Threats and Defense
6. As attackers become more sophisticated, cyber security technologies will also evolve to counter advanced attacks.
7. Focus on Cloud and IoT Security
8. As more services move to the cloud and more devices connect to the internet, securing them will be a major focus.
9. Stricter Cyber Laws and Regulations