Shri Gajanan Shikshan Sanstha's
Shri Sant Gajanan Maharaj College Of Engineering,
SHEGAON - 444203 DIST, BULDHANA (M.S.) INDIA

Documenting the journey
Celebrating the spirit of Engineering
Honoring the Innovation
That Shapes our world



ACCREDITED WITH GRADE A+ NAAC

TATTWADARSHI

- Glimpses
- Placement
- Campus
- Marathi Section
- English Section
- Hindi Section
- Technical Section
- Art Section
- Photography Section

ANNUAL MAGAZINE

2025

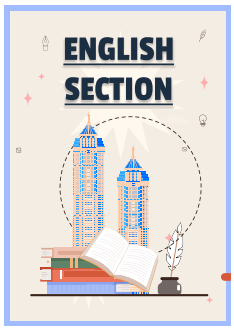
TATTWADARSHI
ANNUAL MAGAZINE 2025



Marathi Section



Hindi Section



English Section



Technical Section



Photography Section



Artwork Section

- Publisher
Dr. S. B. Somani
Principal
SSGMCE,Shegaon

- Faculty Advisor
Prof. S. V. Bhagat
Asst. Professor
SSGMCE,Shegaon

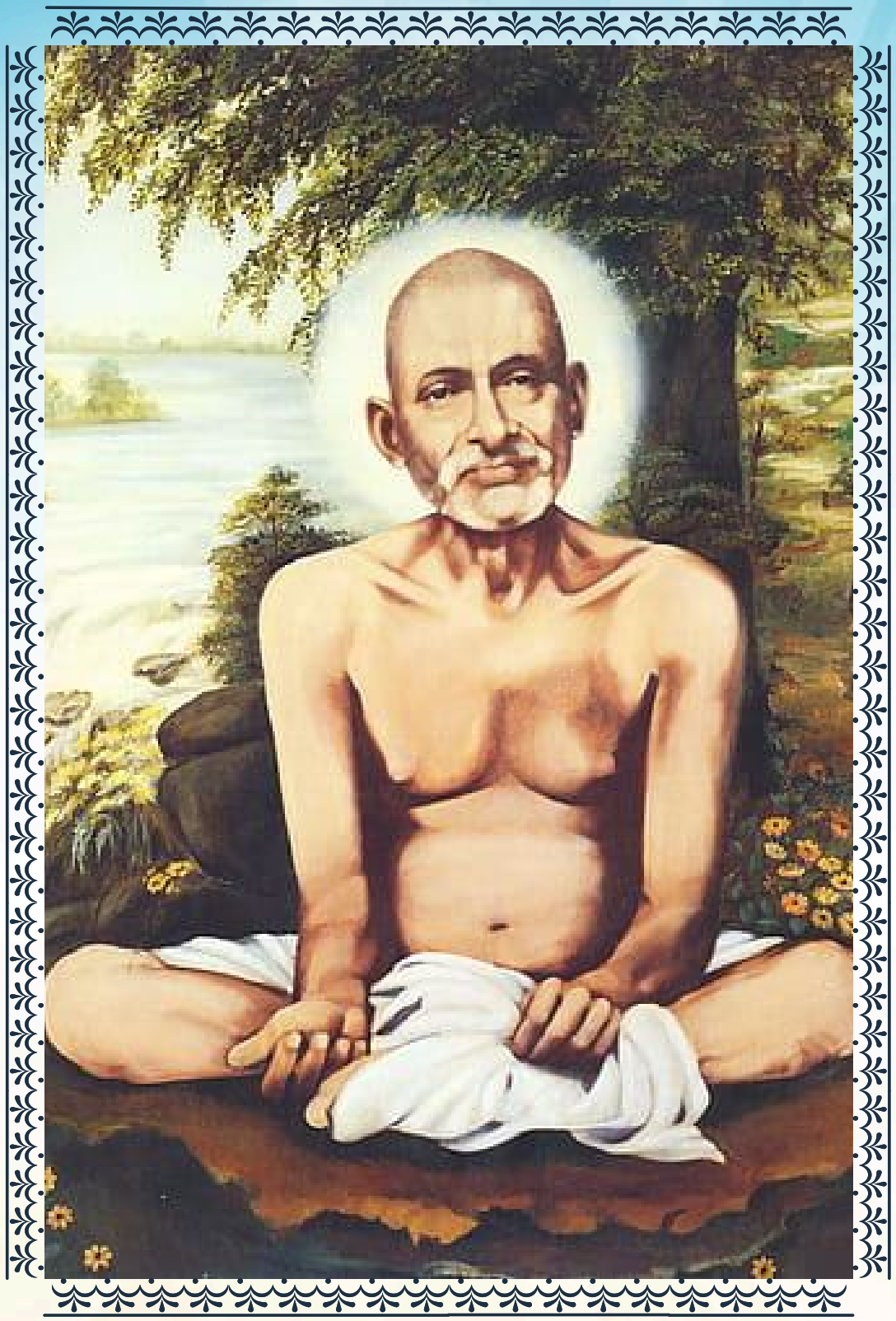
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Social Media Team
Students
SSGMCE, Shegaon

SD/- Dr. S.B.Somani

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Principal, SSGMCE, Shegaon and Editorial Committee of "Tattwadarshi 2025" assumes no responsibility of statements made by individual authors in this magazine.

Divine Source Of Inspiration



|| Shri Sant Gajanan Maharaj, Shegaon ||

विद्यापीठ गीत

विद्या चिंतन । विद्या मंथन ।
विद्या सर्जन । विद्या जीवन ॥

जनमन जागर, करीत निरंतर, विद्यापीठ चाले
संत गाडगे बाबा तुमचे स्वप्न पुर्ण झाले ॥

कुणी न आता खुळे अडाणी, ज्ञानासही विज्ञान कळाले
पर्णकुटीतील प्रतिभेलाही, आभाळाचे पंख मिळाले
दशसूत्राचे अक्षर अक्षर, वेद नवा बोले ॥१॥ जनमन...

किती रंजले, किती गंजले, किती अंधळे लुळे पांगळे
कर्मयोग निष्काम आचरुन, कवेत घेता बांधव सगळे
भूतदयेच्या ओलाव्याने, मानस मोहरले ॥२॥ जनमन...

धर्मजातीच्या पलीकडेही माणूस केवळ माणूस असतो
भेदभ्रमांचे बंध तोडूनी मानवतेचे पुजन करतो
पिढ्यापिढ्यांचे जीवन दर्शन विश्वात्मक झाले ॥३॥

जनमन जागर, करीत निरंतर, विद्यापीठ चाले ॥

-प्राचार्य डॉ. विठ्ठल वाघ

संत गाडगे बाबांचा दशसुत्री संदेश

- भुकेल्यांना - अन्न
- तहानलेल्यांना - पाणी
- उघड्या नागड्यांना - वस्त्र
- गरीब मुलामुलींना - शिक्षण
- बेघरांना - आसरा
- अंध, पंगू, रोग्यांना - औषध
- बेरोजगारांना - रोजगार
- मूक प्राण्यांना - अभय
- गरीब तरुण तरुणींचे - लग्न
- दु:खी निराशांना - हिम्मत



Shri Gajanan Shikshan Sanstha's
Shri Sant Gajanan Maharaj College Of Engineering,
SHEGAON - 444203 DIST, BULDHANA (M.S.) INDIA

41 YEARS OF EXCELLENCE IN TECHNICAL EDUCATION

ACHIEVEMENTS AND RANKINGS

NBA Accreditation

DBA&R - 108th in India
Top 100 B-Schools

51st in India Top 100



ISO Certified



SAEINDIA



Silver Zone - IAB
Blind Empowerment



1st in Paper Presentation



NAAC Accredited



Institution's Innovation
Council (IIC)



National Intellectual
Property Awareness Mission



IEEE- WIE Volunteer of the
Year

CAREERS 360

AAA Rank Careers 360



SGBAU Aavishkar 2024



Avishkar 2024-25

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ACHIEVEMENTS AND RANKINGS



SGBAU Aavishkar 2024



1ST in TECHEXPO
TECHTANTRA 2025



National level
PROJECT EXPO-2025



TECHFESTC 2025
WINNER



Dronethon
Runner-Up



Mehndi
1st Price



SGBAU Kalawant
Award



SGBAU Quiz
Competition



ISIE India



DRONATHON
National Runner-Up



DRONATHON
National Winner



Vision

To impart world-class Engineering and Management education in an environment of spiritual foundation to serve the global society.

Mission

To develop excellent learning center through continuous design and upgradation of courses in closed interaction with R&D centers, Industries and Academia.

To produce competent, entrepreneurial and committed Technical and managerial human, with Spiritual foundation to serve the society.

To develop state-of-the-art infrastructure, centers of excellence and to pursue research of global and local relevance.

To strive for "Sarve Bhanvantu Sukhinah" - the ideal of our parent organization Shri Gajanan Maharaj Sansthan, Shegaon through symbiosis of Science and Spirituality.

Our **Value,** Our **Culture**

- **Personal Excellence**
- **Accountability**
- **Trustworthiness**
- **Holistic Development**
- **Creativity & Innovation**



SHRI SANT GAJANAN MAHARAJ
COLLEGE OF ENGINEERING, SHEGAON

DTE College Code : 1101

Courses Offered :

UG Courses

- Electrical Engineering (Electronics & Power)
- Electronics & Telecommunication Engineering
- Computer Science & Engineering
- Mechanical Engineering
- Information Technology

PG Courses

- M.E. Electrical Power System
- M.E. Digital Electronics
- M.E. Computer Engineering
- M.E. Advanced Manufacturing & Mechanical System Design
- Master of Business Administration

From the Desk of Principal



Dr. S. B. Somani
SSGMCE, Shegaon

It gives me immense pride and joy to extend my warm greetings to all students, faculty, alumni, parents, and well-wishers of Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon. As we embark on another promising academic year, 2024–25, I am filled with optimism and determination to uphold the rich legacy of our institution while continuously striving toward excellence in engineering education, research, and innovation.

SSGMCE has always stood as a beacon of knowledge, discipline, and holistic development. Rooted in strong values and guided by the vision of our revered saint, Shri Sant Gajanan Maharaj, our institution has been committed to nurturing not just engineers but responsible citizens and compassionate leaders of tomorrow. In an ever-evolving technological world, we aim to provide our students with not only academic excellence but also the skills, ethics, and mindset required to excel in a global environment. The new academic year brings fresh opportunities for growth, collaboration, and creativity. With a strong focus on experiential learning, interdisciplinary research, entrepreneurship, and digital empowerment, we are committed to creating an ecosystem where innovation thrives. Our dedicated faculty members, state-of-the-art facilities, and vibrant campus life continue to provide an enriching environment for students to explore, learn, and lead. As we move forward, I urge every student to make the most of the resources, guidance, and opportunities offered by the college.

From the Desk of Faculty Advisor



Mr. Sachin Bhagat
Asst. Prof. A.S. & H.

It is with great pride and enthusiasm that I address you as the Faculty Advisor of the Social Media Team at Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, for the academic year 2024–25. In an era where digital presence has become a vital aspect of institutional identity, the role of social media in academia goes far beyond promotions—it has become a powerful medium to educate, inspire, and engage with a diverse global audience.

At SSGMCE, our social media platforms act as a window into the vibrant academic and cultural life on campus. They reflect the collective achievements of our students and faculty, highlight our events and initiatives, and echo the values that our institution stands for. As a Faculty Advisor, my role is to mentor and guide the student social media team in curating meaningful, creative, and responsible content that aligns with the college's ethos and vision. Together, we aim to maintain professionalism, creativity, and integrity in every piece of content that goes out into the public domain. This year, our focus will be on enhancing student involvement, improving content quality, and making our platforms more interactive and informative. We also aspire to incorporate new formats—such as student interviews, faculty insights, alumni stories, and coverage of departmental activities—to offer a more holistic representation of life at SSGMCE. I truly believe that our students have immense potential, and social media provides them with a platform to express, connect, and lead in a responsible digital space.

From the Desk of Team lead



Ms. Apurva Patil
Social Media Team

It is both an honor and a privilege to serve as the Social Media Team Lead of Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, for the academic year 2024–25. In today's digital-first era, social media is far more than just a tool—it serves as a vital bridge that connects our institution's values, achievements, and vibrant campus culture with the wider world. It also empowers us to engage with students, faculty, alumni, and industry leaders.

The ecosystem that fosters growth, collaboration, and innovation. Our objective is not only to disseminate information but also to inspire, engage, and connect. Through well-curated content, student-driven campaigns, and real-time event coverage, we aspire to make SSGMCE's voice heard louder and clearer across platforms. We will spotlight the academic brilliance of our students, innovative research by faculty, and the vibrant energy of campus events—ranging from cultural and technical fests to workshops, seminars, and alumni achievements. A key focus will also be on collaboration, where clubs, departments, and student leaders will be empowered to share their narratives, ensuring a holistic representation of college life. We intend to build a more interactive and engaging digital community through creative visuals, video storytelling, reels, and behind-the-scenes glimpses into campus life. This year, we will also explore new frontiers such as podcasting, digital campaigns for social causes, and alumni interviews to create more meaningful and inspiring content.

From the Desk of General Secretary



Mr. Ajinkya Nagare
General Secretory

It is with immense gratitude, pride, and a strong sense of responsibility that I pen this message as the General Secretary of Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, for the academic year 2024–25. Being chosen to represent the student body at such a reputed and value-driven institution is not just a privilege, but a profound opportunity to serve, connect, and lead with purpose. SSGMCE is not merely a place of academic. it is a nurturing ground for character building, innovation, leadership, and holistic growth. Over the years, our college has fostered a rich legacy of excellence through its disciplined environment, committed faculty, dynamic student community, and a culture that promotes not only technical knowledge but also social responsibility, ethics, and compassion. As the General Secretary, my vision is to strengthen this foundation and elevate the student experience by encouraging inclusivity, unity, and active participation in every sphere of campus life. This academic year, my primary focus will be on fostering open communication between students and the administration, enhancing collaboration among student bodies, and encouraging students to take initiative and express their ideas. I firmly believe that every student has untapped potential, and it is our collective duty to create platforms where they can thrive—be it through technical festivals, cultural celebrations, workshops, sports activities, or community service. One of my key goals is to ensure that every student feels heard, supported, and valued.

From the Desk of
Girl's Representative

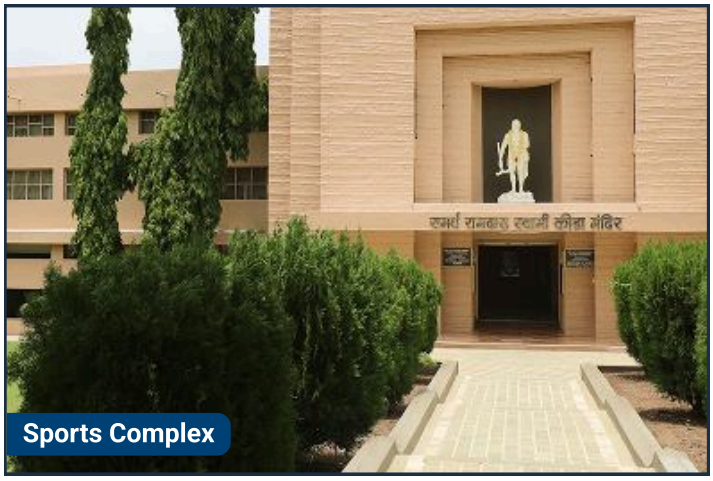


Ms. Samruddhi Tambatkar
Girls Representative

It is a great honor and privilege to serve as the Girl Representative of Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, for the academic year 2024–25. With deep gratitude and responsibility, I step into this role with the aim of not only representing the voices of the girls on campus but also contributing to a more inclusive, supportive, and empowering environment for all. SSGMCE has always been a place that values integrity.

As Girl Representative, my vision is to strengthen the culture of respect, safety, and opportunity for every girl student. I strongly believe that empowered girls build empowered communities, and through this platform, I hope to be a voice of support, encouragement, and action. This year, I plan to work closely with the student council, faculty, and various committees to address the concerns and suggestions of girl students, promote their active involvement in all academic, cultural, technical, and sports activities, and ensure that no student feels left out or unheard. We aim to organize sessions on personality development, health awareness, self-defense, leadership, and career guidance—creating a space where girls can grow with confidence and clarity. I also hope to inspire more girls to take up leadership roles, participate in college events, and voice their ideas without hesitation. We must remember that true progress happens when we move forward together, respecting and uplifting one another. Whether it's through small initiatives or large-scale events, I am committed to creating meaningful change and helping every girl feel proud to be a part of SSGMCE.

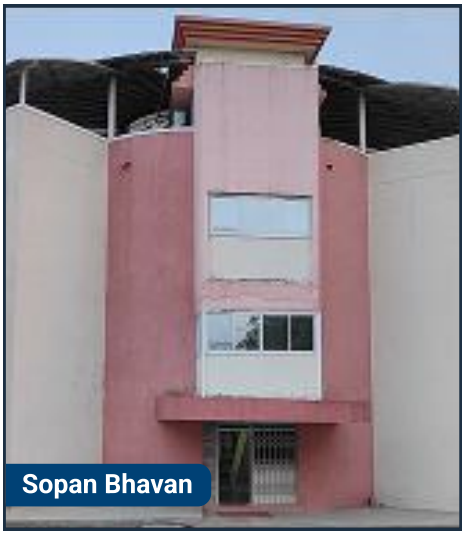
CAMPUS


Sports Complex


Central Hall


Canteen


Guest House


Sopan Bhavan


Basketball and Football Ground



Consumer Store / ATM / Dispensary

CAMPUS



Main Gate


Administrative Building


Cricket Ground


Shri Gajanan Innovation and Advance Research Centre


Boys Hostel


Library


Girls Hostel


College Building

GLIMPSES OF 2024-25

SSGMCE, Shegaon achieves Prestigious NAAC A+ Accreditation

In a proud moment for the academic community, Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, has been accredited with an A+ grade by the National Assessment and Accreditation Council (NAAC). This recognition is a testament to the institution's commitment to excellence in education, infrastructure, research, and student development.

NAAC's A+ grade is awarded to institutions that demonstrate outstanding performance in key areas such as academic innovation, governance, quality of teaching-learning processes, and a strong focus on holistic development. SSGMCE's consistent efforts in fostering academic rigor and providing state-of-the-art facilities have played a significant role in achieving this milestone.

The accreditation process involved a thorough evaluation of the college's academic standards, infrastructure, student services, research contributions, and social outreach programs. The NAAC peer team commended the institution's dedication to nurturing a culture of continuous improvement and innovation.

With this accreditation, SSGMCE, Shegaon, further solidifies its position as a premier engineering institution in the region, offering world-class education and shaping future-ready professionals.





Student Orientation and Induction Program for Newly Admitted Students (2024-2025 Batch)

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, successfully conducted a comprehensive Student Orientation and Induction Program for newly admitted BE and MBA students from 12th to 25th September, 2024. The program aimed to familiarize students with the institution's ethos, academic framework, and career opportunities.

The event featured inspiring motivational sessions and career guidance sessions delivered by esteemed industry experts and faculty members. Interactive sessions provided valuable insights into professional growth, while ice-breaking activities fostered camaraderie among peers.

This well-structured program laid a solid foundation for students, encouraging them to embark on their academic journey with enthusiasm and a sense of purpose. SSGMCE remains committed to empowering students for success in their future endeavors.

SSGMCE, Shegaon achieves ISO 9001:2015 Certification

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, recently received the prestigious ISO 9001:2015 certification, emphasizing its dedication to maintaining exceptional standards in academic and administrative operations. This internationally recognized certification signifies SSGMCE's ability to consistently deliver products and services that meet customer and regulatory requirements, showcasing its commitment to quality management principles and continuous improvement.

The certification process involved a thorough assessment of SSGMCE's quality management systems, including academic processes, infrastructure maintenance, student services, and administrative procedures.

This achievement not only strengthens SSGMCE's reputation as a leading institution in engineering and management education but also reaffirms its commitment to delivering excellence and value in education, making it a preferred choice for students aspiring for quality education.





SSGMCE students excel in SGBAU's YOUTH FEST-24

The students of Shri Sant Gajanan Maharaj College of Engineering, Shegaon, showcased their exceptional talent and determination at the recent Youth Fest, bringing glory to the institution.

The Quiz team secured the 2nd Prize, demonstrating their sharp intellect and teamwork, while the Installation team earned the 3rd Prize for their innovative and skillful presentation.

A special highlight was Amruta Patil, who clinched the 1st Prize in the Mehendi competition with her exquisite and artistic designs.

Miss. Roshani Borle (4U) received "Utkrustha Kalwant Vidyarthini" Puraskar during Youth Festival 2024.

Congratulations to all the winners for their outstanding performances and making SSGMCE proud!



GLIMPSES OF 2024-25

SSGMCE, Shegaon, Celebrates Anti-Ragging Day and Anti-Ragging Week with Enthusiasm

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, observed Anti-Ragging Day on August 12, 2024, marking the commencement of Anti-Ragging Week, which ran from August 12 to 18, 2024. The week-long event was filled with activities aimed at promoting a safe and supportive environment for all students, highlighting the institution's commitment to zero tolerance towards ragging.



Poster Making and Slogan Competitions were organised on this occasion. Students participated and showcased their creativity.

A special awareness drive was conducted, featuring posters and flyers distributed across the campus, reinforcing the message of unity and mutual respect among students.

The Anti-Ragging Committee at SSGMCE played a pivotal role in organizing the events and ensuring that the message of the week reached every corner of the campus. The committee also set up a helpline for students to report any incidents of ragging anonymously, ensuring prompt action and support.

SSGMCE's Anti-Ragging Week not only reinforced the college's stance against ragging but also fostered a sense of community and responsibility among students, ensuring that the campus remains a safe and welcoming space for all.

SSGMCE, Shegaon Achieves Prestigious AA+ Ranking by Careers360!

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, has been honored with the AA+ Category ranking by the renowned Careers360 Magazine and Website.



This prestigious recognition highlights the institution's unwavering commitment to academic excellence, quality education, and the holistic development of its students.

This milestone reflects the collective efforts of SSGMCE's dedicated faculty, diligent students, supportive alumni, and well-wishers, all of whom have played an integral role in this achievement. SSGMCE continues to set benchmarks in higher education by delivering innovative teaching methods, fostering research, and encouraging all-around student growth. The recognition adds to the college's reputation as one of the leading institutions for engineering education in the region. With this achievement, SSGMCE is poised to inspire future generations and scale even greater heights.

COLOR-COAT HOLDERS 2024

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, is proud to announce the remarkable achievements of its students. Our talented students have been recognized as University Color Holders for 2024, a testament to their dedication, skill, and unwavering spirit. These students have brought pride and glory to the SSGMCE community through their exemplary performances and sportsmanship. Congratulations to all the Color-Coat Holders for their exceptional achievements and for setting a high standard for others to follow.



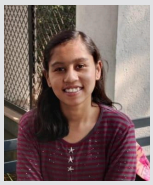
Aniket Gazalwar (4R)
Table Tennis



Ujwal Sharma (2R)
Table Tennis



Rudresh Latare (2U2)
Badminton



Samruddhi Deshmukh(2R)
Chess



Jayashri Shetye(4S)
Taekwondo and Boxing



Gauri Kulkarni(3R)
Qawwali

Celebrating Culture and Unity: Dahihandi and Ganesh Utsav

In 2024, SSGMCE, Shegaon, celebrated Dahihandi with immense enthusiasm and cultural fervor. The event, held on the occasion of Janmashtami, brought together students and staff in a lively atmosphere. Students formed human pyramids to reach and break the "dahi handi" suspended high above, symbolizing the playful spirit of Lord Krishna.

The Ganesh Utsav celebration in 2024 was a testament to the strong sense of devotion and community at SSGMCE. A beautifully crafted idol of Lord Ganesha graced the campus, where students and faculty participated in daily aartis and cultural programs. The event featured devotional singing, traditional dances, and student-led activities that added to the festive charm. The Ganesh Utsav celebration in 2024 was a testament to the strong sense of devotion and community at SSGMCE. A beautifully crafted idol of Lord Ganesha graced the campus, where students and faculty participated in daily aartis and cultural programs.





GLIMPSES OF 2024-25

FDP on "Biomedical Signal Processing and AI-ML Techniques for Healthcare Systems"

Electronics and Telecommunication (EXTC) Department of Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, in collaboration with ATAL Academy, AICTE, New Delhi, successfully conducted a Faculty Development Program (FDP) on "Biomedical Signal Processing and AI-ML Techniques for Healthcare Systems" from December 16 to 21, 2024. This prestigious program brought together experts from reputed institutions and organizations to share their knowledge and insights on cutting-edge technologies in healthcare systems.

The FDP aimed to provide an in-depth understanding of biomedical signal processing and the application of artificial intelligence and machine learning in healthcare. The sessions covered advanced topics for medical diagnostics. Renowned speakers from IIITs, VNIT, and leading institutions delivered lectures and conducted hands-on workshops, enriching the learning experience for participants. The event saw enthusiastic participation from faculty members, researchers, and industry professionals, making it a significant platform for knowledge exchange and skill enhancement in this rapidly evolving field.



The program also encouraged collaborative discussions, fostering interdisciplinary research opportunities among participants.

Alumni Meet 2025 at SSGMCE, Shegaon: A Celebration of Bonds and Success

SSGMCE, Shegaon hosted a successful Alumni Meet 2025, welcoming around 350 alumni. The event began with registration and an inaugural ceremony, where the Principal and dignitaries emphasized the alumni's vital role in the college's growth.

The Training and Placement Officer highlighted the importance of networking and alumni contributions to student development. Distinguished alumni shared inspiring career journeys, followed by emotional reciprocation speeches that rekindled fond memories.

Interactive sessions with departments, a lively flash mob, and a Project Expo showcasing student innovations added excitement to the day. The evening concluded with a vibrant cultural program. Excellent hospitality ensured a memorable experience, reaffirming the enduring bond between SSGMCE and its alumni.





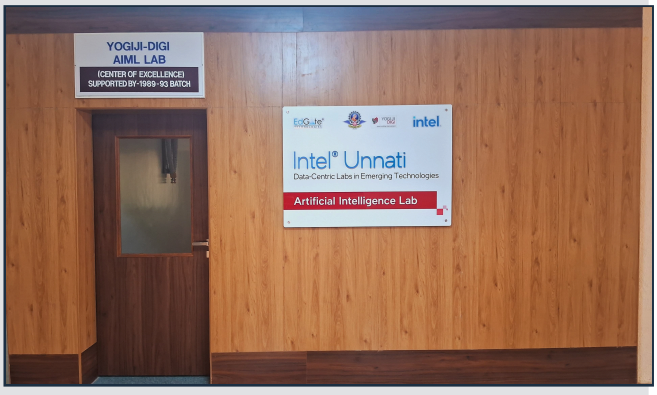




Empowering Innovation: Inauguration of YOGIJI-DIGI AIML LAB (Center of Excellence)

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, marked a significant milestone with the inauguration of the YOGIJI-DIGI AIML LAB (Center of Excellence) on 5th April 2025. This state-of-the-art Artificial Intelligence and Machine Learning lab is a proud contribution from the 1989–93 alumni batch, who envisioned a space that empowers students with cutting-edge technological skills. The event featured a formal ribbon-cutting ceremony, traditional lamp lighting, and enthusiastic participation from faculty, alumni, and students. The lab is equipped to provide hands-on learning in Machine Learning, Deep Learning, NLP, and Computer Vision, offering a platform for advanced research and innovation.

The establishment of this lab signifies a leap forward in bridging theoretical knowledge with industry-driven applications. Designed to nurture innovation, critical thinking, and interdisciplinary collaboration, the YOGIJI-DIGI AIML LAB is set to become a cornerstone of technical excellence at SSGMCE. The institute extended heartfelt gratitude to the alumni for their generous support and visionary step. With this initiative, SSGMCE reaffirms its commitment to fostering a future-ready academic environment that blends tradition with technology.



GLIMPSES OF 2024-25

SSGMCE, Shegaon Receives Appreciation for Promoting Innovation and Entrepreneurship

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, has been awarded a Letter of Appreciation for its outstanding efforts in fostering innovation and entrepreneurship during the academic year 2023–24. The recognition, extended by Dipan Kumar Sahu, Assistant Innovation Director, highlights the continuous support provided by SSGMCE's IIC in developing a vibrant I&E ecosystem within the campus and assisting other IIC institutions in the growth of the nationwide IIC network.

The following individuals were recognized for their key contributions: Dr. Rupali A. Zamare – NISP Coordinator, Prof. P.A. Dalke – Convener, Prof. A.B. Solanke – Internship Coordinator, Dr. P.M. Kuchar – Startup Coordinator, Prof. D.L. Bhombe – ARIIA Coordinator, Dr. S.S. Jadhao – NIRF Coordinator, Dr. S.B. Patil – IPR Coordinator, Prof. N.B. Borkar – Innovation Coordinator, Prof. S.V. Bhagat – Social Media Coordinator.

SSGMCE extends its heartfelt thanks to the IIC team for their tireless efforts and to the Assistant Innovation Director, Dipan Kumar Sahu, for acknowledging the institution's achievements. Together, SSGMCE remains committed to shaping a brighter and more innovative future.


Ministry of Education
MoE's INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
AICTE

CERTIFICATE

Institution's Innovation Council (IIC) established at

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON, Buldhana

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2023-24.

Prof. TG Sitharam, Chairman, Aicte
Dr. Abhay Jere, Chief Innovation Officer, MOE, Innovation Cell
Mr. Dipan Sahu, Assistant Innovation Director, MOE, Innovation Cell

Certificate No : 6203 Issued On : 2025-01-16

INNOVO concluded at SSGMCE, Shegaon

INNOVO'25 – Igniting Innovation, Shaping the Future concluded on a high note on 14th & 15th February 2025, leaving a lasting impact on innovation and technology! With an overwhelming response from across the country, 95 student teams (377 students) showcased their talent and creativity through the Hackathon and Project Expo. The event was a melting pot of ideas, collaboration, and problem-solving, fostering the spirit of innovation.

To ensure a seamless experience for participants, our college provided accommodation with breakfast, delicious meals (lunch & dinner), and an evening cultural program to celebrate talent beyond technology. The grand award ceremony at the New Auditorium recognized outstanding projects and brilliant minds. A big thank you to all the participants, mentors, organizers, and supporters who made this event a remarkable success! Looking forward to an even bigger and better edition next year.



INNOVO'25 Hackathon Begins at SSGMCE, Shegaon

The National Level Hackathon INNOVO'25 commenced on February 14 at SSGMCE, Shegaon, bringing together 377 students in 95 teams from across the country. Participants are taking on real-world challenges, aiming to craft innovative and practical tech solutions.

More than just a coding competition, INNOVO'25 fosters collaboration, creativity, and impact-driven thinking, offering a platform where young minds turn ideas into action.

Inspiring Session on System's Thinking by Dr. Kalindi Bhat Empowers Faculty Leaders

We were privileged to host Dr. Kalindi Bhat for an insightful session on System's Thinking, where she emphasized the power of goal setting and the importance of teamwork through engaging activities. Her interactive approach helped students and faculty understand how structured goal setting drives success, why team collaboration is crucial in problem-solving, and the role of interconnected systems in achieving long-term objectives.

Through hands-on activities, participants (Principal/HoDs/Section Heads/In charges) experienced first-hand how effective planning, communication, and teamwork contribute to achieving shared goals. The session was an eye-opener, reinforcing that no goal is too big when a team works together with the right mindset!

A heartfelt thank you to Dr. Kalindi Bhat for her inspiring insights! Looking forward to more such impactful learning experiences.



GLIMPSES OF 2024-25

Degree Award Ceremony

The Degree Award Ceremony for the B.E., M.E., and M.B.A. (Summer-2024 Examination) pass-out batch was held on March 22, 2025, at the New Auditorium of Shri Sant Gajanan Maharaj College of Engineering, Shegaon. The event was graced by esteemed dignitaries including Chief Guest Dr. V. S. Sapkal (Vice Chancellor, MGAM University), Guest of Honor Dr. R. S. Sapkal (Retired Professor, SGBAU, Amravati), the Vice President of Shri Gajanan Shikshan Sanstha, the Chief Executive Director, and the Principal of SSGMCE.



The ceremony began with the traditional lighting of the lamp, symbolizing knowledge and enlightenment, followed by a welcome address by Dr. S. B. Somani, who highlighted the institution's ongoing efforts toward academic excellence. Dr. R. S. Sapkal inspired the students with his words of wisdom, while Dr. V. S. Sapkal, in his keynote address, emphasized the value of hard work, perseverance, and embracing future challenges. The highlight of the event was the distribution of degrees to meritorious students, followed by group photographs capturing moments of pride and joy.

The ceremony concluded with a heartfelt vote of thanks and the National Anthem. Graduates, postgraduates, and guests then gathered for a delightful lunch, adding warmth and celebration to the occasion. This momentous event not only marked the academic success of the students but also served as a platform for inspiration, motivation, and new beginnings, as the graduates step into a world filled with endless possibilities.

SSGMCE Students Bag Consolation Prize at ABB Limited's "Collaboration Journey 2024"

A talented group of students from Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, brought pride to the institute by winning the consolation prize at ABB Limited Nashik's event "Collaboration Journey 2024." The competition aimed to foster innovation and help bridge the gap between academic learning and industry practices.



The winning team included Garima Agrawal (IT), Hrushikesh Shekharwar (ELPO), Anagha Badhe (CSE), Atharva Nimishe (EXTC), and Abhijeet Nanotkar (MECH). Their participation and performance stood out as they tackled real-world challenges with creativity, teamwork, and practical knowledge.

This event was more than just a competition—it was a valuable learning experience that allowed students to connect with industry professionals, explore new ideas, and apply their classroom knowledge in a real-world setting.

Such achievements highlight SSGMCE's ongoing efforts to encourage innovation and prepare students for the future. Congratulations to the entire team for their hard work and for representing the college so well!

SSGMCE Students Secure First Prize at ISTE-Approved State-Level Project Exhibition

Students of SSGMCE, Shegaon, have brought pride to the institution by securing the First Prize at the ISTE-Approved State-Level Project Exhibition held at Siddhivinayak Technical Campus. Their innovative project, "Drone-Based Weirs Inspection and Analysis for Enhancing Infrastructure Monitoring of Water Resources in Smart Cities," earned them a cash reward of ₹10,000 and high praise from the jury.



The winning team comprised Sahil Mathurkar (4U2), Shubham Suradkar (3U2), Hrishikesh Kakade (3U2), and Yash Raut (3U2). Their project demonstrated exceptional innovation, technical expertise, and problem-solving skills in the field of infrastructure monitoring, aligning with modern advancements in smart city development.

The success of these students reflects their dedication, teamwork, and hard work, along with the valuable guidance and support of faculty members.

Their achievement sets a high benchmark for future participants and underscores SSGMCE's commitment to excellence in technical education and research.The institution congratulates the winners and looks forward to more such accomplishments in the future!

GLIMPSES OF 2024-25

A Golden Achievement: Sakshi Sondkar Receives Late G. H. Raisoni Gold Medal

It is a proud moment for Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, as Miss Sakshi Sondkar, a student of the Department of Electrical Engineering (Electronics & Power), has been awarded the prestigious Late G. H. Raisoni Gold Medal by Sant Gadge Baba Amravati University (SGBAU), Amravati.

This honor was bestowed upon her for securing Merit Rank 1 in the B.E. Final Year Summer-2024 Examination. The award stands as a significant recognition of her consistent academic brilliance, unwavering dedication, and outstanding performance throughout her engineering journey.

Sakshi's achievement not only adds to the growing legacy of academic excellence at SSGMCE but also inspires fellow students to strive for distinction in their respective fields. Her success is a reflection of the rigorous academic environment and the strong support system offered by the faculty and institution.

The entire SSGMCE fraternity extends heartfelt congratulations to Miss Sakshi Sondkar and wishes her continued success in all her future endeavors.



Celebrating Placement Success: SSGMCE Shines at Cadence India

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, takes immense pride in celebrating the remarkable placement achievements of its students from the Department of Electronics and Telecommunication Engineering (E&TC), Batch 2024-25.

We are proud to announce that Miss Shraddha Gawande and Mr. Sanchit Thakare have been successfully selected as Intern-cum-Design Engineer and Intern-cum-Engineer respectively at Cadence India, Pune, a globally recognized leader in electronic design automation.

As part of this prestigious opportunity:

- Both students will receive an internship stipend of ₹40,000/- per month.
- Upon successful completion, the CTC offered is ₹14 LPA, a significant milestone reflecting their technical prowess and dedication.

These selections are a testament to their hard work, academic excellence, and relentless commitment to engineering excellence. Their success not only marks a personal triumph but also reflects the quality education and strong placement support system at SSGMCE.

The college extends heartfelt congratulations to Shraddha and Sanchit and wishes them all the best in their professional journey ahead. Special thanks to the Training and Placement Cell and the faculty members whose guidance played a vital role in shaping their careers.



Industry-Institute Meet 2025 | SSGMCE, Shegaon

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, proudly hosted the Industry-Institute Meet 2025, witnessing an enthusiastic response from 69 distinguished industry delegates across various sectors. The event commenced with the auspicious lamp lighting ceremony, setting the tone for a day centered around collaboration, knowledge-sharing, and innovation.



The Chief Executive Director extended a warm welcome by presenting a bouquet and memento to the guests, followed by an insightful address by the Principal, who emphasized the critical role of industry-academia synergy in preparing students for real-world challenges.

One of the key highlights of the event was the exchange of Memorandum of Understanding (MoUs) with 17 reputed industries, laying the foundation for enhanced opportunities in internships, industrial training, research projects, and student placements.

The event featured two thought-provoking panel discussions, where industry experts shared valuable insights, followed by an interactive Q&A session that engaged second and third-year students, faculty, and staff. Delegates also visited various academic departments, gaining a firsthand look at SSGMCE's robust infrastructure and academic environment. A detailed presentation by the Training & Placement Cell and Industry-Institute Interaction Cell (III Cell) showcased the college's achievements, ongoing initiatives, and its forward-looking vision. The day concluded on a cultural note, followed by a heartfelt Vote of Thanks and the National Anthem. The event successfully reinforced the bridge between industry and academia, leaving a lasting impact and opening doors to future collaborations.

GLIMPSES OF 2024-25

Celebrating the Essence of Art and Culture at Culfest 2025

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, came alive with colours, creativity, and cultural splendor during the much-anticipated Culfest 2K25 – "Kalarang", held on April 11–12, 2025. Organized by the Cultural Council, this annual fest beautifully embraced the theme "कला... रंग... संस्कृतीचा सुरेल संग!" — a harmonious blend of art, color, and culture.



The two-day celebration commenced with a vibrant Procession Rally marking Traditional Day, where students proudly showcased diverse cultural attire and traditions. The formal inauguration set the tone for what would be a rhythmic and expressive journey. The event featured a wide array of performances under categories like Nrityakala, Sangeetkala, Sahityakala, and Natya-kala, highlighting the immense talent within the campus. The day concluded with a soulful Jamming & Open Mic session, giving space for spontaneous expression and bonding.

Day 2 began on an equally energetic note, featuring mesmerizing performances, followed by a compelling One Act Play, leaving the audience moved and inspired. With continued cultural showcases, the event wrapped up in high spirits. Kalarang 2K25 stood as a shining example of SSGMCE's dedication to fostering artistic excellence and cultural unity, leaving unforgettable memories etched in every participant's heart.

Soaring to Success: First Place Victory in Avishkar Competition for UAV-based Project

The project titled "Aerial Insight: Analyzing Geographical Topologies Using UAV Technology" earned 1st place in the Engineering and Technology category at the prestigious Avishkar Research Convention. This achievement marks a proud moment for the team, highlighting their commitment to research, innovation, and practical problem-solving.



The project focused on leveraging Unmanned Aerial Vehicles (UAVs) for efficient mapping and analysis of geographical terrains. By integrating aerial data acquisition with smart analytics, the team proposed a cost-effective solution for topological surveys and environmental monitoring. The approach received praise for its technical depth and real-world applicability.

Under the leadership of Tejas Kale, the team maintained clear focus and direction throughout the research journey. His leadership and technical expertise played a critical role in refining the concept and aligning the project with the objectives of the convention.

Important contributions came from Sahil Mathurkar, who ensured high system accuracy, and Atharva Raut, Manthan Kolte, and Pranav Harne, who supported field testing, data analysis, and logistics. The team expresses heartfelt gratitude to their mentors and supporters whose guidance made this success possible.

Innovation Takes Flight: Team EXTC Wins Top Honors at TechFest 2025

We proudly congratulate Sahil Mathurkar (Final Year EXTC), along with Shubham Suradkar, Hrishikesh Kakade, and Yash Raut (Third Year EXTC), for securing First Prize and a cash reward of ₹10,000 at the ISTE-Approved State-Level Project Exhibition during TechFestC 2025 hosted by Siddhivinayak Technical Campus.



This remarkable achievement is a testament to their technical proficiency, teamwork, and innovative thinking.

Their winning project, titled "Drone-Based Weirs Inspection and Analysis for Enhancing Infrastructure Monitoring of Water Resources in Smart Cities," addressed a critical need for efficient and modernized water resource monitoring.

By integrating drone technology with analytical tools, the team offered a smart solution to improve infrastructure maintenance and resource management in urban areas. This accomplishment reflects their commitment to solving real-world problems through cutting-edge engineering and a forward-thinking approach.

GLIMPSES OF 2024-25

SSGMCE Drone Club Secures Second Position at DRONATHON 2024 – A National Showcase of Aerial Excellence

Demonstrating skill, speed, and technical finesse, Mr. Kunal Pisudde, Manthan Kolte, Atharv Ingle, Pranav Harne, and Rushikesh Payghan—all from Third Year (3S), Drone Club, SSGMCE, Shegaon—clinched the Second Prize at the prestigious National Level Drone Racing Competition, "DRONATHON," held on 26th March 2024 at Government College of Engineering, Jalgaon. The team was awarded a Certificate of Achievement and a cash prize of ₹10,000, recognizing their outstanding performance among top competitors from across the nation.

This achievement reflects the growing expertise and innovative spirit of the Drone Club at SSGMCE. The team's ability to integrate advanced drone handling skills with strategic racing techniques under high-pressure conditions showcases their commitment to technological excellence and competitive readiness. Their success at DRONATHON 2024 not only brings pride to the institution but also sets a benchmark for future drone enthusiasts aiming for national recognition.



SSGMCE Drone Club Clinches First Prize at TECHTANTRA 2025 National Project Expo

We extend our heartfelt congratulations to Mr. Hrishikesh Kakde (3U2), Nivrutti Raut (2S), Arpit There (2S), and Parth Deshmukh (2S) from the Drone Club, SSGMCE, Shegaon, for securing the First Prize at the National Level Project Expo – TECHTANTRA 2025, held on 27th March 2025 at GPGI, Nagpur. The team received a Certificate of Achievement and a Cash Prize, marking a significant milestone in their academic and technical journey.

Their winning project stood out for its innovation, relevance, and practical application in the domain of drone technology. Competing against teams from premier institutions across the country, the students demonstrated exceptional problem-solving skills, creativity, and technical depth. This achievement not only highlights the growing prowess of SSGMCE's Drone Club but also reaffirms the institution's commitment to fostering future-ready engineers capable of shaping tomorrow's technology landscape.

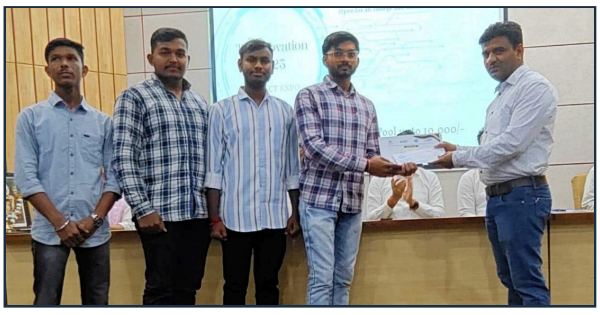


SSGMCE Students Win 3rd Prize for UAV-Based Topography Project at Pursuit Technovation

Demonstrating a brilliant blend of innovation and technical expertise, a team of engineering students from Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, secured the 3rd Prize at the prestigious Pursuit Technovation event for their project titled "Aerial Insights: Analyzing Geographical Topologies Using UAV Technology."

The team, comprising Sahil Mathurkar and Pratham Kale, both final-year students from the Electronics and Telecommunication (EXTC) department, along with Hrishikesh Kakade (Third Year, EXTC) and Rushikesh Payghan (Third Year, ELPO), showcased a cutting-edge application of drone technology aimed at mapping and analyzing varied geographical terrains.

The project emphasized the utility of Unmanned Aerial Vehicles (UAVs) in capturing topographical data to aid in environmental monitoring, land assessment, and infrastructural planning.



Their innovative approach, marked by technical precision and real-world applicability, received appreciation from judges and participants alike.

This recognition not only underscores the team's dedication and collaborative spirit but also highlights SSGMCE's ongoing commitment to encouraging practical, research-driven learning among its students.

GLIMPSES OF 2024-25

Manthan Kolte Wins First Prize in National-Level Drone Racing Competition

Mr. Manthan Kolte, a third-year student from Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, proudly brought laurels to the institute by securing the First Prize in the National Level Drone Racing Competition on Simulator titled "AEROQUEST." The event was held on 27th March 2025 at Government College of Engineering, Jalgaon, and witnessed participation from drone enthusiasts and tech-savvy competitors from across the country.

Manthan demonstrated exceptional piloting skills and quick decision-making during the intense simulator-based racing rounds, ultimately earning a Certificate of Excellence along with a cash prize of ₹5,000. His achievement not only reflects individual brilliance but also emphasizes the growing interest and capability of SSGMCE students in emerging technologies like UAVs and simulation-based engineering challenges.



Drone Club Team from SSGMCE Wins First Prize at National-Level Project Competition SPARK–2025

A team of dynamic innovators from the Drone Club, SSGMCE, Shegaon achieved a prestigious milestone by securing the First Prize in the National Level Project Competition "SPARK–2025," held on 16th April 2025 at MKD Institute of Technology, Nandurbar. The winning team included Mr. Kunal Pisudde (3S), Mr. Manthan Kolte (3S), Mr. Hrishikesh Kakde (3U2), and Mr. Pranav Harne (3S)—all third-year engineering students driven by a shared passion for UAV technology and innovation.

Their project, a testament to technical excellence and creative problem-solving, stood out among numerous entries from across the nation. The team was awarded a Certificate of Achievement along with a cash prize of ₹51,000, recognizing their outstanding contribution to technology-driven solutions. This remarkable accomplishment reflects the Drone Club's commitment to fostering innovation and practical learning under the guidance of SSGMCE's enriching academic environment.



Vihang Drone Club Team Clinches First Prize at AROVISTA–2025 National Project Competition

Demonstrating technical brilliance and a spirit of innovation, Mr. Rushikesh Payghan (3S) and Mr. Shishir Deshmukh (2U2) from Vihang Drone Club, SSGMCE, Shegaon, secured the First Prize at the National Level Project Competition "AROVISTA–2025," conducted on 19th April 2025 at Tulsiramji Gaikwad Patil College of Engineering, Nagpur.

The duo's project stood out among several innovative entries from institutes across the country, earning them a Certificate of Excellence and a Medal in recognition of their outstanding work. Their achievement not only highlights the technical capabilities nurtured at SSGMCE but also showcases the rising impact of drone-based solutions in modern engineering. This success reinforces the Vihang Drone Club's growing reputation as a hub for emerging talent and futuristic innovation.



SSGMCE's Vihang Drone Club Shines at National Level Project Expo-2K25

A team of passionate students from Vihang Drone Club, SSGMCE, Shegaon—Mr. Pranav Harne (3S), Mr. Rushikesh Payghan (3S), Mr. Nivrutti Raut (2S), Mr. Pratik Khadse (2U2), and Mr. Vaibhav Udapure (2U2)—secured the Second Prize at the National Level Project Expo-2k25 held on 24th April 2025 at MIT ADT University, Pune. Their innovative project earned them a Certificate of Merit and a cash prize of ₹11,000, showcasing their technical acumen, collaborative spirit, and the Drone Club's growing impact in national-level competitions.



GLIMPSES OF 2024-25

SSGMCE Student Secures Prestigious Placement at TCS Digital with Impressive CTC

Shegaon, Maharashtra – The Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, continues to shine with its students achieving remarkable milestones in the field of technical education and campus placements. In a proud moment for the institution, Mr. Abhishek Patil, a final-year student from the Computer Science and Engineering (CSE) department, has been successfully selected by Tata Consultancy Services (TCS) for their elite Digital profile.



Abhishek secured this opportunity with a commendable Cost to Company (CTC) package of ₹7.50 lakhs per annum, reflecting his technical prowess, consistent academic performance, and the rigorous training and support provided by the institution.

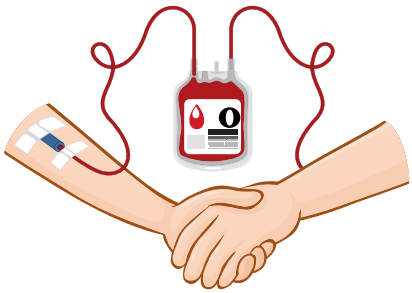
TCS Digital, known for recruiting top-tier engineering talent for advanced technology roles, recognizes students who exhibit strong problem-solving skills, in-depth technical knowledge, and adaptability to emerging technologies. Abhishek's selection not only highlights his individual dedication but also underscores the commitment of SSGMCE to nurturing future-ready professionals.

SSGMCE, celebrating over 41 years of excellence in technical education, takes pride in such achievements, reinforcing its position as a leading institute that empowers students with industry-relevant skills and global opportunities.

BLOOD DONATION CAMP 2024–25

On 25th February 2025, Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, once again exemplified its spirit of social responsibility by organizing a Blood Donation Camp within the college premises. This initiative, rooted in the institution's long-standing commitment to community health and welfare, reflected its core values of compassion, empathy, and civic duty.

The camp was held at the college's Gymnastics Hall from 9:00 AM to 2:00 PM, drawing active participation from students, teaching faculty, and staff members. With a strong turnout and heartfelt enthusiasm, the event turned into a vibrant display of solidarity and service.



By promoting the cause of voluntary blood donation, the camp not only addressed a critical healthcare need but also inspired the campus community to think beyond academic boundaries and embrace the values of giving and humanity. Faculty coordinators and volunteers played a crucial role in ensuring the smooth execution of the event, maintaining safety protocols and a supportive environment throughout the process.

Such events serve as a reminder that education is not only about intellectual development but also about nurturing socially conscious individuals. The Blood Donation Camp of 2024–25 stands as a proud chapter in SSGMCE's journey toward building a responsible and compassionate generation of engineers.

"SSGMCE Shines Bright with ABB Ltd. Placements"

Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, takes immense pride in announcing the placement of five of its students at ABB Ltd., Nashik as Graduate Engineer Trainees (GeT) with an impressive CTC of ₹8.80 LPA. This notable achievement reflects the students' strong academic background, technical proficiency, and the college's continued commitment to excellence in engineering education and industry preparedness.

From the Electrical Engineering (ELPO) Department, Om Adhau, Perna Wankhade, and Uday Lande have secured their placements, while Shruti Amale and Sakshi Soni from the Mechanical Engineering (MECH) Department have also been selected. Their success stands as a testament to the rigorous academic environment and the continuous support provided by the Training and Placement Office (TPO) at SSGMCE. The entire SSGMCE fraternity extends heartfelt congratulations to the selected students and wishes them a successful journey ahead in their professional careers.



Om Adhau(ELPO)



Uday Lande(ELPO)



Perna Wankhade(ELPO)



Sakshi Soni(MECH)



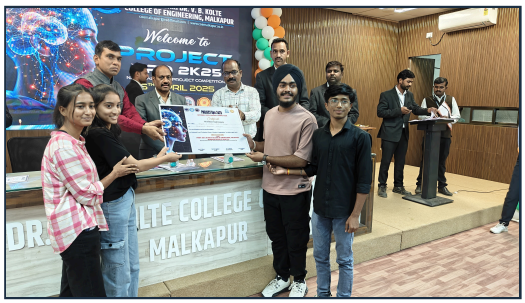
Shruti Amale(MECH)

GLIMPSES OF 2024-25

SSGMCE 1R Students Shine at National-Level Project Expo with 2nd Position Victory

In a remarkable achievement that highlights the spirit of innovation and teamwork, a team of first-year students from Shri Sant Gajanan Maharaj College of Engineering, Shegaon (SSGMCE), made their mark at the prestigious National Level Project Expo held at V.B. Kolte College, Malkapur.

The talented team, comprising Rajveer Singh, Dolly Bhutada, Gargi Mane, and Prajwal Virokar, competed against participants from across the nation and secured an impressive 2nd position, earning a prize of ₹7,000. Their project not only reflected technical competence but also demonstrated their ability to think critically and work collaboratively under pressure.



This achievement stands as a proud moment for the institute, showcasing the budding talent nurtured within its academic environment. The success of the 1R team encourages all fellow students to actively participate in such platforms that promote innovation, learning, and exposure at a national level.

SSGMCE Student Bags 3rd Prize at International Science Conference

Shri Sant Gajanan Maharaj College of Engineering, Shegaon (SSGMCE), continues to make its mark in the academic and research arena. Mr. Atharv Bochare, a dedicated student from the Department of Mechanical Engineering, added another feature to the institution's cap by securing the 3rd position in an International Conference on Emerging Trends in Physical Sciences held on 12th March 2025.

The prestigious event was organized by the Department of Physics at Shankarlal Khandelwal Arts, Science, and Commerce College, Akola, and was sponsored under the PM-USHA scheme to strengthen higher education institutions. Atharv Bochare presented his insightful research on "Study & Design of Concentrated Solar Thermal Power Plant", which was highly appreciated by the jury for its relevance, technical depth, and presentation quality.



Vinit Atkare Wins 3rd Place at AVISHKAR 2024 for Health Innovation

Mr. Vinit S. Atkare, a first-year Mechanical Engineering student, earned third place at AVISHKAR 2024 for his innovative project titled "Non-contact Glucose Detection Using Optical and Analytical Techniques." His work presents a non-invasive method to monitor blood glucose levels, aiming to make diabetes management more comfortable and accessible.

Under the guidance of Dr. Piyush Dalke, Vinit successfully blended engineering principles with biomedical applications to design a system capable of detecting glucose without skin penetration—an important advancement in health technology.

This recognition not only highlights Vinit's technical potential but also reflects the institution's strong encouragement of research-driven learning. His achievement serves as an inspiration to fellow students, proving that meaningful contributions to real-world challenges can begin right from the first year of engineering.



Golden Glory for SSGMCE: Jayshree Shetye Shines at Khelo India Games

Jayshree Shetye, a final-year Electrical Engineering student of SSGMCE, Shegaon, has brought immense pride to the institute by clinching a gold medal at the Khelo India Games held in Diu and Daman from May 19 to May 24, 2025. Competing against top athletes from across the country, Jayshree demonstrated exceptional talent and determination to emerge victorious in her event.



Manan Goel Recommended for Indian Navy Technical Entry by NSB Kolkata

Mr. Manan Goel, from Electronics & Telecommunication Engineering successfully secured a recommendation for the prestigious Indian Navy Technical Entry from Naval Selection Board (NSB), Kolkata

Congratulations on your achievement! Wishing you all the best for your future success!



GLIMPSES OF 2024-25

A Memorable Farewell for the 2025 Engineering and MBA Batch of SSGMCE











On the serene evening of Friday, May 9, 2025, Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon, bid an emotional farewell to the graduating engineering and MBA batch of 2025. The ceremony, which began at 6 PM, blossomed into an unforgettable evening filled with heartfelt speeches, shared memories, and a warm sense of togetherness.

Held in the beautifully decorated college auditorium, the ambiance radiated both celebration and nostalgia. Faculty members inaugurated the event with meaningful words of wisdom, recalling the journey of the students and blessing them with success for the road ahead.

Mr. Ajinkya Nagare, the General Secretary (GS), delivered a composed and gracious speech, representing the voice of the batch and expressing heartfelt gratitude to the mentors, administration, and peers. His words set the tone for reflection and pride.

Ms. Samruddhi Tambatkar, the Girls Representative (GR), followed with an emotional address that struck a chord with everyone present. She spoke about late-night studies, laughter-filled classrooms, and the unspoken bond among batchmates. Her words reflected the emotional richness of the college journey.

Adding a vibrant and reflective touch to the evening, Ms. Apurva Patil, the Social Media Team Lead, spoke about the behind-the-scenes efforts of capturing memories that defined their time at SSGMCE. She emphasized the silent strength of visual storytelling, the importance of teamwork, and her gratitude to seniors for being the inspiration behind every frame posted. Her speech honored the unsung art of preserving emotions through content.

The event reached an emotional high with a special video montage created by a talented student creator. The video stitched together years of joy, struggle, growth, and achievements into a touching narrative that played across the big screen. The heartfelt compilation evoked smiles, tears, and thunderous applause, truly capturing the essence of college life.

After the program, students from each department — MBA, CSE, EXTC, IT, MECH, and ELPO — gathered for a class-wise photo session. Each photograph became a frozen frame of friendships and achievements that will forever live in the alumni's hearts.

The evening concluded with a dinner behind the auditorium, where faculty, juniors, and the outgoing batch shared warm conversations over food, reminiscing about old times and dreaming about the future.

The farewell ceremony was more than just a formal event — it was a heartfelt sendoff, a celebration of journeys, and a promise of lifelong memories. The SSGMCE family came together to honor the 2025 batch with love, emotion, and gratitude — sending them forward with blessings, pride, and countless memories tucked in their hearts.



CSE



IT



EXTC-I



EXTC-II



ELPO



MECH



MBA

GLIMPSES OF 2024-25

SSGMCE'S 21 STUDENTS FEATURED IN SGBAU, AMRAVATI MERIT LIST



Sakshi Sondkar
Merit No: 01 (ELPO)



Chetan Ambalkar
Merit No: 02 (ELPO)



Aditi Deshmukh
Merit No: 02 (EXTC)



Dnyaneshwari Chatarkar
Merit No: 02 (CSE)



Kalyani Raut
Merit No: 03 (ELPO)



Gauri Murkar
Merit No: 04 (ELPO)



Unnati Kharate
Merit No: 05 (EXTC)



Nayan Chandankhede
Merit No: 05 (MECH)



Pooja Masne
Merit No: 06 (EXTC)



Ankush Gawande
Merit No: 07 (MECH)



Neha Bedare
Merit No: 07 (EXTC)



Sayali Katole
Merit No: 07 (EXTC)



Sneha Khatke
Merit No: 07 (CSE)



Sakshi Patil
Merit No: 08 (EXTC)



Kshitija Deshmukh
Merit No: 08 (EXTC)



Sarla Paraskar
Merit No: 09 (EXTC)



Riya Dangra
Merit No: 09 (CSE)



Surabhi Lahoti
Merit No: 10 (CSE)



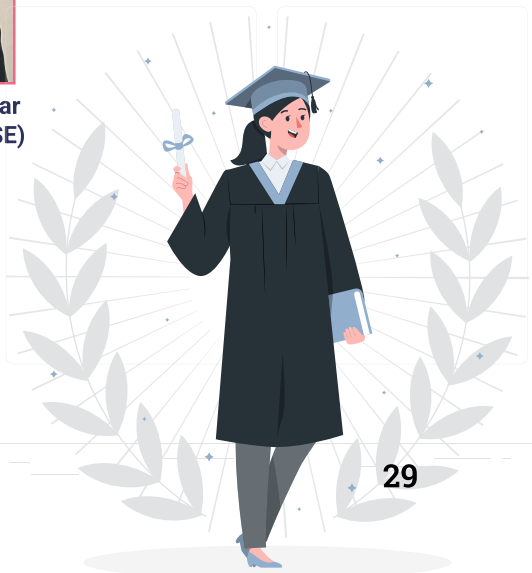
Mayur Shastrakar
Merit No: 10 (CSE)



Suresh Alase
Merit No: 01 (ME)



Shruti Auti
Merit No: 07 (MBA)



HIGHEST PACKAGES OFFERED

Sr. No.	Name of Company	Name of Student	Package Offered
01	Cadence India Limited, Pune	1) Sanchit Thakare (U) 2) Shradha Gawande (U)	14.00 LPA
02	Consultadd Services Pvt. Ltd., Pune	1) Pratik Kuntawar(R)	12.00 LPA
03	ABB Limited, Nashik	1) Om Adhau (S) 2) Prerna Wankhade (S) 3) Uday Lande (S) 4) Shruti Amale (M) 5) Sakshi Soni (M)	8.80 LPA
04	TCS Limited, Pune	1) Abhishek Patil (R)	7.00 LPA
05	Daikin Airconditioning India Pvt. Ltd., Pune	1)Yash Adhe (MBA)	7.00 LPA
06	Krutanik Solution, Bengaluru	1) Bhumika Pimpalshende(R) 2) Isha Wagh (N) 3) Rutuja Pawar (N) 4) Prajwal Khokle (S) 5) Akanksha Bagwe(MBA) 6) Yash Adhe (MBA)	6.00 LPA
07	Connecticus Technologies, Pune	1) Apurva Patil (R) 2) Ameya Mandwale (N) 3) Shreyansh Dubey (N)	6.00 LPA
08	Lend A Hand India, Pune	1) Shruti Sonone (R)	6.00 LPA
09	RIA Advisory, Pune	1) Kunjan Katore (R)	6.00 LPA
10	Kidara Tech, Thane	1) Nishant Didolkar (MBA) 2) Charul Palkar (S)	6.00 LPA
11	Home First Finance Co. India Limited, Mumbai	1) Shantanu Sawat (MBA)	6.00 LPA
12	Arohi Software Solution Pvt. Ltd., Ahmednagar	1) Ajinkya Nagare (R) 2) Pratham Akkewar (R) 3) Samruddhi Tambatkar (N)	6.00 LPA

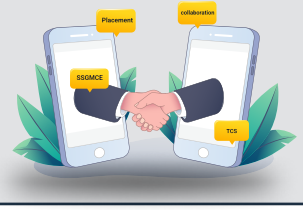
SSGMCE is now a TCS Priority College!

Shri Sant Gajanan Maharaj College of Engineering, Shegaon has been officially recognized by TCS as a Priority College, effective this academic year.

TATA CONSULTANCY SERVICES

Key Benefits of TCS Priority Status :

- Early Access to TCS Hiring
- Enhanced academic engagement with TCS
- Stronger placement prospects
- Continuous knowledge collaboration through AAG & TAG
- Recognition for academic excellence



TOP RECRUITS 2024-25



Sanchit Thakre
EXTC
14.00 LPA



Shraddha Gawande
EXTC
14.00 LPA



Pratik Kuntawar
CSE
12.00 LPA



Prerna Wankhade
ELPO
8.80 LPA



Om Adhau
ELPO
8.80 LPA



Uday Lande
ELPO
8.80 LPA



Sakshi Soni
MECH
8.80 LPA



Shruti Amale
MECH
8.80 LPA



Abhishek Patil
CSE
7.00 LPA



Bhumika Pimpalshende
CSE
6.00 LPA

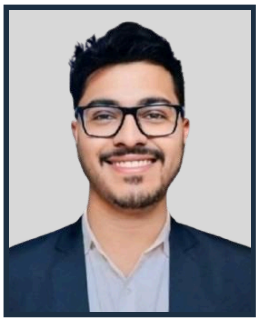


Rutuja Pawar
IT
6.00 LPA

TOP RECRUITS 2024-25



Apurva Patil
CSE
6.00 LPA



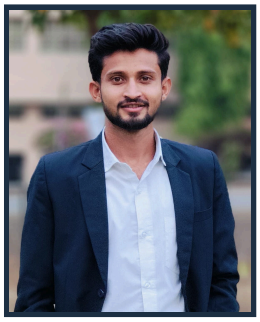
Pratham Akkewar
CSE
6.00 LPA



Shreyansh Dubey
IT
6.00 LPA



Prajwal Khokle
ELPO
6.00 LPA



Yash Adhe
MBA
7.00 LPA



Akanksha Bagwe
MBA
6.00 LPA



Ajinkya Nagare
CSE
6.00 LPA



Shruti Sonone
CSE
6.00 LPA



Samruddhi Tambatkar
IT
6.00 LPA



Kunjan Katore
CSE
6.00 LPA



Nishant Didolkar
MBA
6.00 LPA



Charul Palkar
ELPO
6.00 LPA

Our Recruiters

- **Software**



- **Core**



- **MBA**


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FINCAP PVT. LTD.
kotak
HDFC Life
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bee
ARC
CONSTRUCTION
Pregrad
ESAF
ESAF SMALL FINANCE BANK
IMCS group
EXCELR
Raising Excellence
PLANET SPARK
Mphasis
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IT SERVICES
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Rialtes
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State Street HCL Services
Stellar
Preschool





PLACEMENT DATA OF THE YEAR 2024-25

Sr. No.	Name of Company	Branchwise Status						No. of Students Placed
		CSE	EXTC	MECH	EE	IT	MBA	
01	Apexaiq Technologies Pvt. Ltd., Bangalore	-	-	-	-	01	-	01
02	Arohi Software Solution Pvt. Ltd., A.Nagar	04	-	-	-	04	-	08
03	SwiftNLift IT Tech, Pune	05	-	-	-	-	-	05
04	Bristlecone India Limited, Mumbai	04	01	-	-	02	-	07
05	Schneider Electric India Pvt.Ltd.,Mumbai	-	-	-	01	01	-	02
06	Fox Solutions Pvt. Ltd., Nashik	-	01	-	01	-	-	02
07	Micropro Software Solutions Limited, Nagpur	08	05	-	-	01	-	14
08	BOSCH Limited, Nashik	-	-	01	-	-	-	01
09	Eagle Byte Solution Pvt. Ltd., Nashik	03	03	-	-	03	-	09
10	Torrent Power Limited, Thane,Mumbai	-	-	-	08	-	-	08
11	Torrent Power Limited, Ahmedabad	-	-	-	04	-	-	04
12	IndiaMART, Mumbai	-	-	-	-	-	03	03
13	Triqual Cryogenic Pvt. Ltd., Navi Mumbai	-	-	02	-	-	-	02
14	Quality Kioask Technologies Pvt. Ltd., Pune	-	01	-	-	-	-	01
15	Cadence India Limited, Pune	-	02	-	-	-	-	02
16	Home First Finance Co.Ltd.	-	-	-	-	-	01	01
16	Home First Finance Co.Ltd.	-		-	-	-	01	01
17	JNK India Limited, Mumbai	-	-	02	-	-	-	02
18	ESAF Small Finance Bank Ltd., Mumbai	-	-	-	-	-	03	03
19	Kidara Tech, Thane	-	-	-	01	-	01	02
20	Kalash Seeds, Jalna	-	-	-	-	-	02	02
21	RIA Advisory, Pune	01	-	-	-	-	-	01
21	RIA Advisory, Pune	01	-	-	-	-	-	01
22	SCOPE T&M Pvt. Ltd., Pune	-	04	-	06	-	-	10
23	Lend A Hand India, Pune	01	-	-	-	-	-	01
24	Micromatic Machine Tools Pvt. Ltd., BLR	-	-	02	-	-	-	02
25	Anant Defence Systems Pvt. Ltd., Pune	-	-	05	-	-	-	05
26	Connecticus Technologies, Pune	01	-	-	-	02	-	03
27	Avenue Super Mart Limited,(D'Mart) Nagpur	-	-	-	-	-	05	05
28	Faurecia India Pvt. Ltd., Pune	-	-	01	01	-	-	02
29	QH TALBROS Pvt. Ltd., Satara-Pune	-	-	10	08	-	-	18
30	ABB Limited, Nashik	-	-	02	03	-	-	05
31	Hyosung T&D India, Pune	-	-	01	-	-	-	01

PLACEMENT DATA OF THE YEAR 2024-25

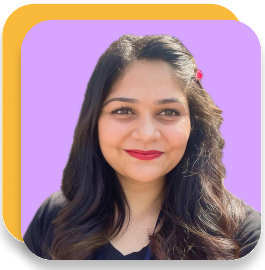
Sr. No.	Name of Company	Branchwise Status						No. of Students Placed
		CSE	EXTC	MECH	EE	IT	MBA	
32	Motilal Oswal, Mumbai	-	-	-	-	-	01	01
33	Krutanik Solution, Bengaluru	01	-	-	01	02	02	06
34	DCB Bank, Akola	-	-	-	-	-	02	02
35	Indian Forest Services, Pune	-	-	-	-	-	01	01
36	SM Technologies Pvt. Ltd., Nagpur	-	01	-	-	-	-	01
37	TCS Limited, Pune	01	-	-	-	01	-	02
38	Infisol Energy, ChhSambhajinagar	-	-	-	05	-	-	05
39	FORVIA Faurecia,Pune	-	-	-	05	-	-	05
40	Daikin Airconditioning India Pvt. Ltd., Pune	-	-	03	-	-	01	05
41	Consultadd Services Pvt. Ltd., Pune	01	-	-	-	-	-	01
Total Number of Students Placed		**31**	**16**	**31**	**39**	**15**	**22**	**154**
Total Number of Offers Received		**26**	**16**	**29**	**35**	**12**	**19**	**137**



Social Media Team



Prof. S. V. Bhagat
Program In-Charge



Ms. Apurva Patil
Team Lead



Mr. Ajinkya Nagare
General Secretary



Ms. Snehal Kubade
Design Expert



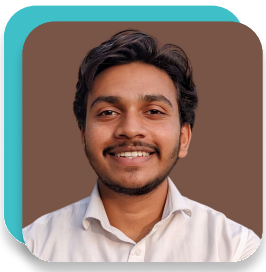
Ms. Anushka Sontakke
Programmer



Ms. Shruti Yeul
Graphic Designer



Mr. Devesh Pawar
Graphic Designer



Mr. Pratik Tayade
Video Editor



Mr. Harsh Jadhao
Video Editor



Ms. Kashish Agrawal
Graphic Designer



Ms. Gauri Kakad
Graphic Designer



Ms. Sonam Waykos
Graphic Designer



Ms. Maithili Lodhe
Video Editor



Ms. Roshani Kukade
Content Writer



Ms. Vedika Raut
Content Writer



Ms. Samrudhi Deshmukh
Video Editor

मराठी विभाग



अनुक्रमाणिका

- गद्य विभाग -

अनु क्र.	शिर्षक	लेखकाचे नाव
०१	आयुष्यात ऐकतरी अशी मैत्रीण असावी	वैष्णवी मानखैर
०२	विखुरलेला इतिहास	गौरव ढाले
०३	जीवन	तेजस्विनी भगत
०४	जिकंण्यासाठी तयार हो	आस्था वंगल
०५	सेवेच्या वाटेवरचा प्रवास: माझे NSS शिबिर	पल्लवी गीते
०६	निसर्गातील विरामचिन्हे	पल्लवी गीते
०७	जुनी मैत्री	दिपाली पुराणे
०८	कोरोना महामारी : एक अनुभव	अनुष्का भुस्कट
०९	नया भारत	वेदिका राउत
१०	मानवतेचे महत्त्व	गायत्री रोडे
११	मिसळचा झणझणीत खेळ	राहुल चौधरी
१२	विकसित भारत	धनस्वी अग्रवाल
१३	स्वच्छ भारत	स्नेहा शर्मा
१४	स्कील इंडिया	वीणा देशमुख
१५	डिजिटल इंडिया – एक पाऊल पुढे	खुशी काळे



आयुष्यात ऐकतरी अशी मैत्रीण असावी

आयुष्याच्या वाटेवर मदतीला तत्पर असनारी
संकटांना मात करुण कायम साथ देणारी
मनाने ती प्रेमळ व अखंड मैत्री निभवणारी
आयुष्यात ऐकतरी मैत्रीण असावी...

रूसल्यावर मनवणारी, रडल्यावर हसवणारी
विणाकारण चेष्ठा करणारी
आपल्या आनंदात आनंदी असणारी
तर दुःखात सर्व सांभाळून घेणारी
आयुष्यात ऐकतरी मैत्रीण असावी...

तीचा हट्टीपणा, तीची काळजी
मनाला आनंद देऊण जाते
कारण तिच्या असण्याने आयुष्य खूप सुंदर घडून जाते
म्हणून आयुष्यात ऐकतरी मैत्रीण असावी...

तीच्या कडे सर्व सीक्रेट्स शेअर करू शकतो
तिला हक्काने काहीही म्हणू शकतो
ति न सांगता मनातले ओळखू शकते
म्हणून आयुष्यात ऐकतरी अशी मैत्रीण असावी...
आयुष्यात ऐकतरी अशी मैत्रीण असावी..

वैष्णवी मानखैर
द्वितीय वर्ष
संगणक विज्ञान अभियांत्रिकी

विखुरलेला इतिहास

आपण भारतीय, भारत देश 1947 रोजी स्वतंत्र झाला असला तरी आपला इतिहास सर्वात प्राचीन आहे हे सर्वांना मान्य करावेच लागेल. पृथ्वीराज चव्हाण, महाराणा प्रताप, छत्रपती शिवाजी महाराज यांसारखे योद्धा आपल्याच भारतातले तसेच संत कबीर, गुरु नानक, संत ज्ञानेश्वर यांसारख्या अनेकांमुळे आपली धरती संतांची भूमी म्हणून ओळखली जाते.

आज कोणत्याही भारतीयाला विचारले की तुम्हाला आपल्या भारत देशावर आणि या भारत देशाच्या इतिहासावर गर्व आहे का? तर ते नक्की मोठ्या उत्साहात होच म्हणतील.
पण एवढेच पुरेसे आहे का?

कोणत्याही देशाचा इतिहास त्याचा मूलभूत पाया असतो, जर पायाच मजबूत नसेल तर त्या देशाला समोर जाणे खूप कठीण होते. त्यासाठी महत्त्वपूर्ण आहे की त्या देशातील प्रत्येक व्यक्ती ला आपल्या इतिहासाची जाणीव असावी. परंतु आज आपल्याच भारत देशात असे दिसून येते की अनेक लोक इतिहासाला विखुरतात म्हणजे असल काय घडले ते समजून घ्यायच्या ऐवजी तोडून मोडून जसे बरे वाटेल तसे बदलतात. अनेक समाज माध्यमे तसेच दूरदर्शन वाहिन्या इतिहास प्रस्तुत करायच्या नावावर फक्त स्वतःला कसा फायदा होईल हेच विचार करतात, ते जे माध्यमांद्वारे सांगतात त्याने लोकांवर काय परिणाम होईल यांच्याशी त्याने काहीच घेणेदेणे नाही.
उदाहरणार्थ एका व्यक्तीच्या भूमिकेला मोठ दाखवायला बाकी सर्व व्यक्तींना लहान लेखतात.

किशोरवयीन मुलामुलींवर या विखुरलेल्या इतिहासाचा वेगळा परिणाम होतो. ही समस्या जरी छोटी वाटत असेल तरीही त्या मुलामुलींच्या भविष्यातील निर्णयांवर हे परिणाम करू शकते. रामायण, महाभारत आपला इतिहास आहे हे आपल्याच बहुसंख्य भारतीयांना मान्य नाही, Google तर सोडून द्या आपले भारतीयच यांना "mythology" म्हणून संबोधतात. समाज माध्यमे आणि अनेक दूरदर्शन वाहिका यांवर विविध प्रयोग करतात. इतिहास हा प्रयोगासाठी मुळीच नाही हे लक्षात ठेवा.

तुम्ही इतिहासातील ज्याही वर्णाचे अनुसरण करता त्यांची खोटी प्रसंशा करून त्यांच्याच अपमान करता। अनुसरण करणे चुकीचे नाही, त्याने काही चांगले कार्यही केले असतील पण त्याने केलेल्या सर्व चुकीच्या कार्याला दुर्लक्ष करणे हे चुकीचे आहे, आणि यालाच अंधभक्ती म्हणतात.

आणखी सांगण्यासारखे खूप काही आहे खूप उदाहरणेही आहेत, पण जो पर्यंत आपण भारतीय आहोत आणि आपला खरा इतिहास आपण जाणून घेतला पाहिजे ही भावना जो पर्यंत हृदयात येत नाही तो पर्यंत हे सर्व सांगणे व्यर्थच.

निष्कर्ष एवढाच की, खरा इतिहास जानायचा प्रयत्न करा content creators कडून इतिहास जानल्या पेक्षा जे स्त्रोत सर्वात प्रमाणित आहे ते बघा, ते वाचा, जर contemporary स्त्रोत जसे पत्र वैगरे असेल तर त्याचा पुरावा घ्या. अल्लाउद्दीन खिलजीने नालदा विश्वविद्यालयाला भस्म करून सर्व भारतीयाना आपल्या पुरातन इतिहासापासून आणि ज्ञानापासून वंचित ठेवले.

परंतू आता आपल्या इतिहासाचे संवर्धन हे आपले कर्तव्य
आहे कृपया याला आपल्या मनाने विरखुरुनका आणि खरा
इतिहास जाणण्याचा प्रयत्न करा ही एका भारतीयाची दुसऱ्या
भारतीयाला विनंती आहे.
जय हिंद, जय भारता !

गौरव ढाले
चौथे वर्ष
संगणक विज्ञान अभियांत्रिकी

जीवन

जीवन म्हणजे एक खेळ नाही,
फुकट मिळालेला वेळ पण नाही
ते एक मोठे कोडे आहे,
सोडवले तितके कमी आहे.
जगात कायम तेच लोक बदलतात जे,
ज्यांना लोक कोणत्याच कामाच्या लायकीचा
समजत नाहीत आणि यालाच कदाचित "जीवन" म्हणतात.

जीवन म्हणजे एक नवी पहाट
आशेचा एक किरण आणणारी आस,
मी पणाचा कांगावा सोडून,
स्वः अस्तित्वासाठी जगण्याची उमेद.

नवीन संधी शोधण्याचा मार्ग,
अशक्य ते शक्य करून दाखवण्याचे मैदान,
प्रत्येक दिवसाची लाळेबंद,
समान आणणारे एक खाते, जगण्याची उमेद
कायम ठेवणारे एक "कोडे.....

सुकर्मातून तेजोमय करणारी वाट
जीवनाचा अर्थ सांगणारी वात
प्रश्नाचे उत्तर काढणारी गाइड,
जीवन तेजोमय करणारा प्रवास.

तेजस्विनी भगत
चौथे वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

जिकंण्यासाठी तयार हो

लढण्यासाठी तयार हो, झुजण्यासाठी तयार हो
वेदनांचे पाश तोडून जिंकण्यासाठी तयार हो

भावनांचा मान ठेव, कर्तव्यांची जाण ठेव
बदलत चाललेल्या काळाच्या इशाऱ्याने भान ठेव
भूतकाळाची राख उडवून नाविण्याचा ध्यास हो
लढण्यासाठी तयार हो

बोचतात जे शब्दांनी काटे, त्यांना फक्त लक्षात ठेव
पाठीवरती हात ज्यांचे त्यांना नेहमी हृदयात ठेव
कष्टाची घे मशाल हाती गुन्ह्याचं तू प्रकाश हो
लढण्यासाठी तयार हो...

बोथट झालेल्या हत्याराना संघर्षाची धार दे
मरलेलिया दुःखाच्या स्वप्नांना ठाम निर्णयाचा आधार दे
तोडून सारी व्यर्थ बंधन मुक्त मोकळा श्वास हो
लढण्यासाठी तयार हो



आस्था वंगल
प्रथम वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

सेवेच्या वाटेवरचा प्रवास: माझे NSS शिबिर

"सेवा परमो धर्म:" ही संकल्पना मी फक्त पुस्तकांमधून वाचली होती, पण तिचा खरा अर्थ मला प्रत्यक्ष अनुभवता आला तो NSS शिबिरात. माझ्या महाविद्यालयीन जीवनातील हा अनुभव म्हणजे एक नवीन दृष्टीकोन, एक प्रेरणादायी प्रवास ठरला. हे केवळ शिबिर नव्हतं, तर स्वतःला शोधण्याचं, समाजाशी नातं जुळवण्याचं आणि माणूस म्हणून अधिक सजग होण्याचं एक सुंदर माध्यम होतं. शिक्षणात केवळ पुस्तकी ज्ञान महत्त्वाचं नसतं, तर सामाजिक जाणिवा, जबाबदारी आणि माणुसकी ही मूल्यंही तितकीच आवश्यक आहेत. NSS शिबिराने मला ही जाणीव प्रत्येक क्षणी करून दिली.

शिबिराची सुरुवात उत्साहपूर्ण उद्घाटन समारंभाने झाली. विविध मान्यवरांची उपस्थिती आणि त्यांचे प्रेरणादायी मार्गदर्शन आम्हाला पुढील आठवड्यासाठी ऊर्जा देऊन गेले. त्यानंतर स्वच्छता मोहीम, योगसत्र, रक्तलक्षण (सिकल सेल तपासणी), आरोग्य तपासणी शिबीर, बौद्धिक सत्रं, व्यक्तिमत्त्व विकास, भजन संध्या, डिजिटल साक्षरता, निबंध लेखन व प्रचार कार्य, सर्जनशील उपक्रम, तसेच स्वच्छ ग्राम रॅली अशा अनेक उपक्रमांत आमचा सहभाग होता. या सात दिवसांत आम्ही गावकऱ्यांशी संवाद साधला, समाजाचे वास्तव जवळून पाहिलं आणि सेवा करताना स्वतःचंही अंतर्मुखपणे परीक्षण केलं. NSS चा खरा अर्थ – "Not Me But You" – आम्ही प्रत्यक्षात अनुभवला.

शिबिराच्या सात दिवसांमध्ये रोज नवे अनुभव, नवे विचार आणि नवी शिकवण मिळत होती. प्रत्येक दिवस वेगळ्या रंगात रंगलेला होता—कधी कृतीशीलतेचा, कधी संवेदनशीलतेचा, तर कधी आत्मपरीक्षणाचा. हे अनुभव केवळ डोळ्यांनी पाहिले नाहीत, तर मनानेही अनुभवले. गावकऱ्यांशी गप्पा मारताना, त्यांच्या समस्या ऐकताना, लहान मुलांबरोबर खेळताना, आणि रस्त्यावरचा कचरा उचलताना – प्रत्येक क्षणाने मला आतून हलवून टाकलं. NSS शिबिर म्हणजे सामाजिक जाणीवा जागवणारा आरसा होता – ज्यात स्वतःचं प्रतिबिंब नव्याने पाहायला मिळालं.

शिबिराच्या पहिल्याच दिवशी आम्ही गावातील परिसरात स्वच्छता अभियान राबवलं. प्लास्टिक, कागद, बाटल्या असे न विघटनशील कचरे गोळा करताना जाणवलं – स्वच्छता ही केवळ शारीरिक नव्हे, तर मानसिकतेची गरज आहे. गावकऱ्यांच्या समाधानाने कळलं की, लहानसं श्रमदानही मोठा बदल घडवू शकतं. सकाळच्या शांत हवेत योग आणि प्राणायाम करताना मन शांत झालं. यामुळे जाणवलं की स्वतःची काळजी घेणं हीसुद्धा सेवा आहे. मानसिक आरोग्य जपणं हेही NSS च्या मूल्यांचाच भाग आहे.

आरोग्य तपासणी आणि सिकल सेल तपासणी या उपक्रमांतून गावकऱ्यांच्या आरोग्याबद्दलची जाणीव वाढली. अनेकांना आजारांची माहिती मिळाली, वेळेत निदान झालं. समाजासाठी काहीतरी उपयोगी करता येतं, ही भावना मनात रुजली. प्रबोधनात्मक व्याख्यानं आणि व्यक्तिमत्त्व विकास सत्रांमधून 'Value Education' आणि 'Public Speaking' यांसारख्या महत्त्वाच्या विषयांवर मार्गदर्शन मिळालं. नैतिक मूल्यं, आत्मविश्वास आणि नेतृत्वगुण यांचं महत्त्व कळलं. माणूसपण जपणं हाच शहाणपणा हे उमजलं.

गावातील मुलांना निबंध लेखनात सहभागी करून घेताना त्यांच्या सर्जनशील विचारशक्तीचं दर्शन झालं. जनजागृती करताना संवादकौशल्यही वृद्धिंगत झालं. भजन संध्यांनी एक अध्यात्मिक अनुभव दिला. गावकऱ्यांसोबत बसून एकत्र गायन करताना एकात्मतेचा भाव निर्माण झाला. लोकसंगीताच्या माध्यमातून समाजाशी नातं दृढ झालं. ग्रामस्वच्छता रॅलीद्वारे आम्ही संपूर्ण गावातून स्वच्छतेचा संदेश दिला. गावकऱ्यांचा सक्रिय सहभाग पाहून जाणवलं की, बदल घडवायचा असेल तर सुरुवात स्वतःपासूनच करावी लागते. सर्जनशील सत्रांत मुलांना चित्रं काढायला लावणं, करिअर मार्गदर्शन करणं, यामुळे त्यांच्या विचारांना चालना मिळाली आणि आमच्यासाठीही ते शिकण्याचं एक सुंदर माध्यम ठरलं.

या सर्व अनुभवांमध्ये माझ्यासाठी सर्वात भावलेला क्षण म्हणजे – जेव्हा मी गावातील शाळेत पाचव्या वर्गातील विद्यार्थ्यांना शिकवायला गेले. त्यांच्या डोळ्यांत शिकण्याची जिद्द होती. नवोदय प्रवेश परीक्षेची तयारी करताना त्यांनी मला सांगितलं, "दिदी, आम्ही सोडवतो, पण अडचण आली तर तू समजावून सांग." त्या निरागस शब्दांनी मन भरून आलं. त्यांच्या डोळ्यांत आशा होती, त्यांच्या मनात स्वप्नं होती. शिकण्याची भूक, प्रयत्नांची तयारी आणि आत्मविश्वास – हे सगळं पाहताना मी भारावून गेले. मी त्यांना शिकवत होते, पण खऱ्या अर्थाने ते मला शिकवत होते – संयम, समर्पण आणि शिक्षकत्त्वाचा खरा अर्थ. हे सत्र केवळ अध्यापन नव्हतं, तर तो एक जीवनपाठ ठरला – जो कायम हृदयात जिवंत राहील.

NSS शिबिरातील प्रत्येक क्षण, कृती आणि अनुभव माझ्या व्यक्तिमत्त्व विकासासाठी अमूल्य ठरला. "सेवेच्या वाटेवरचा प्रवास" ही केवळ आठ दिवसांची गोष्ट नव्हती – ती होती आयुष्याला दिशा देणारी एक सुंदर वाटचाल.

पल्लवी गीते
द्वितीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

निसर्गातील विरामचिन्हे

निसर्गातील हे विरामचिन्हे,
कौतुक कितीही केले तरी कमीच वाटते,
पावलोपावली थांबावेसे वाटते,
नि:शब्दतेत हरवावेसे वाटते.

न्याहाळताना घ्यावा लागतो हलकासा विराम,
चालताना अचानक घरट्यांची रचना डोळ्यांत भरते,
क्षणभर सारे विसरून,
मन पिसाऱ्यासारखे उडते.

कधी पाखरांची किलबिल मनाला गात बसते,
तर कधी वाऱ्याच्या सावल्यांत हरवून जाते.
निसर्गाच्या प्रत्येक थांब्यावर,
असते एक अनोखी कविता,
उमलत चाललेली,
श्वासासोबत जिवंत होत असलेली.

पल्लवी गीते
द्वितीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

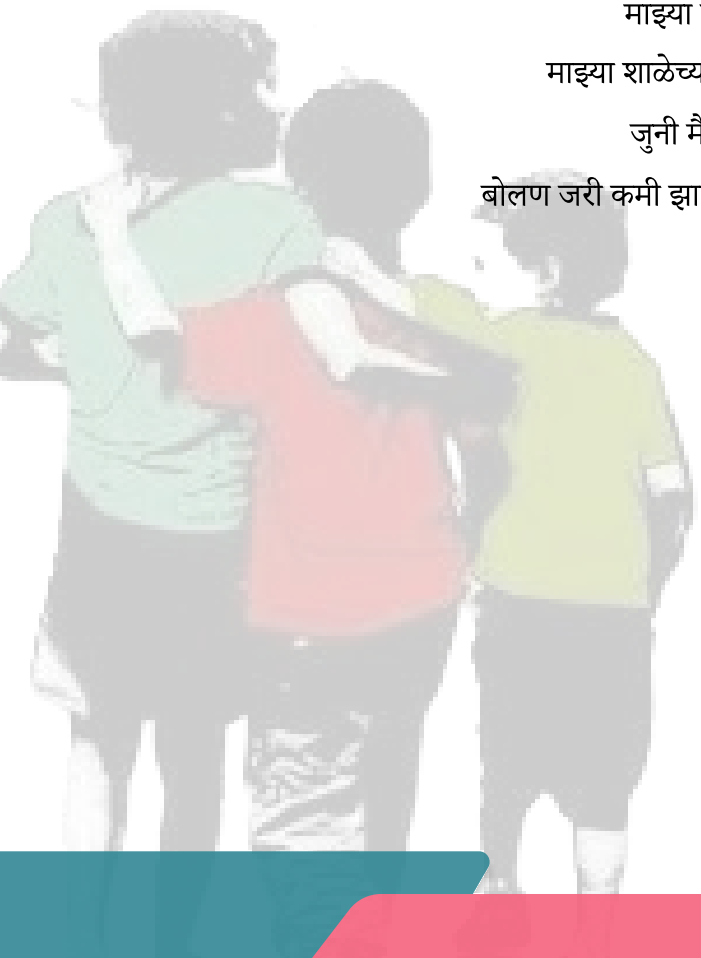
जुनी मैत्री

मागचा बाकावर वर बसुन
उगाच खडखडून हसायचं.
तासभर उगाचच लिहायचो,
शिक्षक समोर असताना खूपच शांत बसायचो.

शाळेच्या गेटपासून ते गमतीशीर गोष्टीपर्यंत,
खट्याळ मस्तया करायचा.
पण अभ्यासा मध्ये सर्वांत पहले,
आपलंच हात वर असायचा.

भांडणंही झाली, कधी न बोलण झालं नाही तरी,
पण मनातलं आपलं नातं कधीच विसरणार नव्हतंच.
आज शाळा संपली, वेगळे मार्ग झाले,
पण आठवणी अजूनही हृदयात जिवंत राहिले.

माझ्या जीवनात खास तू आहेस,
माझ्या शाळेच्या दिवसातला सुंदर भाग आहेस.
जुनी मैत्री, पण कायमची साथ,
बोलण जरी कमी झालं असेल तरी दळवडतो तुझा सहवास.



दिपाली पुराणे
द्वितीय वर्ष
विद्युत अभियांत्रिकी

कोरोना महामारी : एक अनुभव

कोरोना महामारी हा २१व्या शतकातील सर्वात भीषण अनुभव ठरला. २०१९ मध्ये चीनमध्ये उद्भवलेला हा विषाणू हळूहळू संपूर्ण जगभर पसरला. या विषाणूमुळे लाखो लोकांना आपले प्राण गमवावे लागले आणि कोट्यवधी लोकांचे जीवन विस्कळीत झाले. भारतातही या महामारीचा प्रचंड प्रभाव पडला. या काळात प्रत्येकाने काही ना काही अनुभव घेतले, जे जीवनभर विसरणे शक्य नाही.

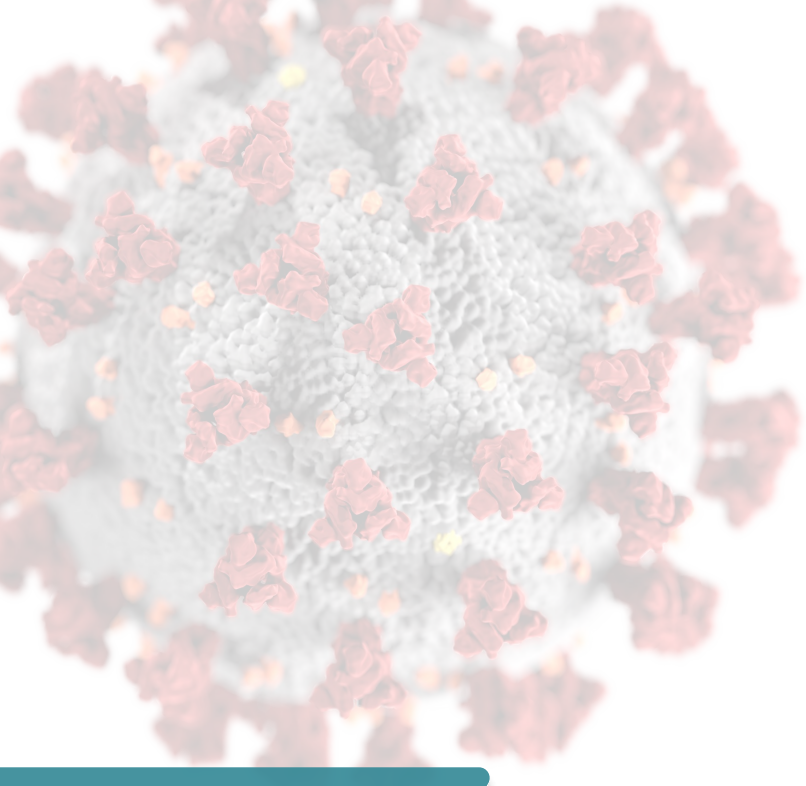
या महामारीमुळे सरकारने लॉकडाऊन जाहीर केले. सगळी दुकाने, शाळा, कॉलेज, कार्यालये बंद झाली. प्रवासावर निर्बंध आले आणि माणसं आपल्या घरातच बंदिस्त झाली. विद्यार्थ्यांचे शैक्षणिक जीवन पूर्णपणे ऑनलाईन शिक्षणावर अवलंबून झाले. शिक्षक व विद्यार्थी दोघांसाठीही हे एक नवीन व अनोखे आव्हान होते. अनेकांना मोबाईल, इंटरनेट, आणि तांत्रिक ज्ञानाची कमतरता भासली.

आरोग्य क्षेत्रासाठी ही एक कठीण परीक्षा होती. डॉक्टर्स, नर्सेस, पोलीस आणि सफाई कर्मचारी यांनी खरेखुरे "कोरोना योद्धे" म्हणून काम केले. त्यांनी स्वतःचा जीव धोक्यात घालून इतरांचे प्राण वाचवले. त्यांच्या सेवेचे समाजाने कौतुक केले, पण त्यांच्यावर मानसिक व शारीरिक ताणही खूप होता.

या काळात अनेक कुटुंबांना आपले जवळचे गमवावे लागले. रुग्णालयात बेड्स मिळत नव्हते, ऑक्सिजनची टंचाई निर्माण झाली होती. एकीकडे ही भीषण परिस्थिती होती, तर दुसरीकडे समाजातील काही लोकांनी मदतीचा हात पुढे केला. अनेक स्वयंसेवी संस्था, युवक, आणि नागरिकांनी अन्नधान्य, औषधे आणि अन्य गरजेच्या वस्तूंची मदत केली.

कोरोना महामारीने आपल्याला अनेक गोष्टी शिकवल्या. आपले आरोग्य सर्वांत महत्त्वाचे आहे हे लोकांच्या लक्षात आले. स्वच्छता, सामाजिक अंतर, मास्कचा वापर आणि लसीकरण यांचे महत्त्व समजले. तसेच, या काळात तंत्रज्ञानाचे महत्त्वही अधोरेखित झाले. घरून काम (Work From Home), ऑनलाईन शिक्षण, डिजिटल व्यवहार यांना गती मिळाली.

निष्कर्षतः, कोरोना महामारी हा एक कटू अनुभव होता, पण त्यातून आपण अनेक धडे शिकलो. या कठीण काळात माणुसकी जिवंत राहिली, आणि संकटातही आशेचा किरण दिसला. ही महामारी आपल्याला जीवनात कोणतीही गोष्ट निश्चित नाही हे शिकवून गेली आणि प्रत्येक क्षण जपून जगण्याचा संदेश देऊन गेली.



अनुष्का भुस्कट
द्वितीय वर्ष
संगणक विज्ञान अभियांत्रिकी

नया भारत

उगता सूरज, नयी किरण है,
भारत अब बदला गगन है।
नया जोश है, नई उमंगे,
हर दिशा में फैली तरंगे।

अब न हम पीछे मुड़ते हैं,
हर बाधा से लड़ते हैं।
तकनीक की शक्ति हाथों में,
सपने हैं अब तो बातों में।

किसान हमारा अन्नदाता,
अब बनता है नव निर्माता।
युवाओं के हाथों में ताकद,
नया भारत, नयी है साखत।

नारी अब निर्भय होकर चली,
हर क्षेत्र में उसने जीत ली।
शिक्षा, विज्ञान, रक्षा की राह,
भारत बढ़ता नयी चाह।

सेना का साहस अमर बना,
सीमा पर दीपक फिर से तना।
हर बच्चा अब सपना देखे,
संघर्षों से ना कोई रुठे।

स्वच्छता का लिया संकल्प,
हर गली में फैला उज्ज्वल ताज।
डिजिटल युग में उड़ान भरी,
हर गाँव, शहर अब जागृति धरी।

यह भारत अब रुकता नहीं,
हर तूफानों से झुकता नहीं।
संविधान की शान लिए,
हर दिल में है जान लिए।

वेदिका राउत
द्वितीय वर्ष
इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकी

मानवतेचे महत्त्व

मानवता म्हणजे माणुसकीची खरी ओळख. माणूस म्हणून जन्माला येणे सहज शक्य असते, पण खऱ्या अर्थाने माणूस होणे हे त्याच्या आचरणावर आणि वागणुकीवर ठरते. मानवतेचा अर्थ आहे – दुसऱ्याच्या दुःखात सहभागी होणे, त्याला मदतीचा हात देणे, कोणताही भेदभाव न करता सर्वांशी सहवेदनेने वागणे. आजच्या तांत्रिक प्रगतीच्या युगात विज्ञान आणि तंत्रज्ञानाने माणसाचे जीवन जरी सुकर केले असले, तरी माणसाच्या मनातले भावविश्व, त्याची करुणा आणि सहवेदना मात्र कमी होत चालली आहे. म्हणूनच अशा काळात मानवतेचे महत्त्व अधोरेखित होणे अत्यावश्यक आहे.

रोजच्या धकाधकीच्या जीवनात आपण अनेक गोष्टी गमावतो – वेळ, मन:शांती, आणि अनेकदा आपले मूल्यही. या वेगवान जगात एकमेकांना वेळ देणं, मदत करणं, समजून घेणं याकडे दुर्लक्ष होतं आहे. पण संकटाच्या वेळेला, अपघाताच्या प्रसंगी किंवा कोणत्यातरी अडचणीत असलेल्याला मदत करताना, आपल्याला अजूनही अशा व्यक्ती भेटतात ज्या थांबून विचारतात – "काही मदत करू का?" हीच ती मानवता आहे जी अजूनही आपल्यात जिवंत आहे. तीच माणसाला इतर प्राण्यांपासून वेगळं करते.

मानवता ही समाजाचा गाभा आहे. जाती, धर्म, भाषा यांच्यापलीकडे जाऊन जेव्हा एखादी व्यक्ती दुसऱ्याच्या दुःखात आपलेपणाने सामील होते, तेव्हा ती मानवतेची खरी झलक असते. आपल्या समाजात आजही अनेक उदाहरणं पाहायला मिळतात – कुणी रक्तदान करतं, कुणी अनाथ मुलांना शिक्षण देतं, तर कुणी गरजूंना अन्न पुरवतं. ही कामं फार मोठी नसली तरी त्यामागची भावना मोठी असते – ती म्हणजे माणुसकी.

मानवतेचं महत्त्व यामुळेच अधिक आहे की ती कोणत्याही कायद्याने नाही, तर मनातून, अंत:करणातून निर्माण होते. ती धर्माने नाही, तर संवेदनांनी चालते. ती शिक्षणाने मिळते असंही नाही, अनेकदा अशिक्षित माणसाकडूनही आपल्याला माणुसकी शिकायला मिळते. म्हणूनच मानवता ही कुणा एका वर्गापुरती मर्यादित नाही – ती सर्वांची आहे, सर्वांनी जपायची आहे.

आज आपण पहातो की समाजात द्वेष, असहिष्णुता, जातीयता, आणि धार्मिक तेढ वाढत आहेत. सोशल मीडियावर अपप्रचार, राजकारणात विघटनाचे प्रयोग, आणि सार्वजनिक जीवनात असंवेदनशीलतेची वाढ – हे सर्व मानवतेपासून दूर जात असल्याचे लक्षण आहे. जर प्रत्येकाने दुसऱ्याला आपल्या सारखं मानलं, त्याच्या वेदना समजून घेतल्या, तर या सगळ्या समस्या आपोआप कमी होतील.

महात्मा गांधी, डॉ. बाबासाहेब आंबेडकर, मदर तेरेसा, स्वामी विवेकानंद यांसारख्या थोर व्यक्तींनी मानवतेच्या मूल्यांचं पालन करून समाजाला दिशा दिली. त्यांनी नेहमी वंचित, दुर्बल, उपेक्षित लोकांसाठी लढा दिला. त्यांच्या जीवनातून आपण शिकू शकतो की माणूस म्हणून मोठं होणं म्हणजे स्वतःसाठी नाही, तर इतरांसाठी जगणं.

मानवतेची खरी गरज आजच्या आणि येणाऱ्या पिढ्यांमध्ये रुजवणं ही आहे. घरात, शाळेत, समाजात मुलांना फक्त यशाचा पाठ नाही, तर सहवेदनेचा, मदतीचा, समतेचा आणि आदराचा पाठ शिकवला गेला पाहिजे. कारण यशाच्या शर्यतीत माणूसपण हरवू नये, हे प्रत्येक पालक, शिक्षक आणि समाजाच्या जबाबदारीत आहे.

गायत्री रोडे
द्वितीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

मिसळचा झणझणीत खेळ

सकाळची वेळ, भूक लागली भलती,
डोळ्यांसमोर आली मिसळीची पाती!
झणझणीत रसात उडी मारी पाव,
हिरवी मिरची देई थराराचा ठाव!

मटकी मिसळ, तर्रीचा वास,
सुगंध असा, उडवतो श्वास!
कांदा-लिंबू, फरसाणची साथ,
एक घास घेताच, हरवते गाठ!

ओठ जळाले, डोळे पाणावले,
पण चवेमुळे तोंड हसलेले!
घाम फुटतो पण थांबत नाही,
हा खेळ झणझणीत, पण मन भरवणारा भाई!

बाहेर पावसाची सरी, आणि गरम मिसळ,
एका ताटात झणझणीतं विश्व फिसळ!
ती एक चव – शब्दात नाही मावणार,
ती मिसळ – पुन्हा पुन्हा खावं असं भासणार!

झणझणीत खेळ, ताटात रंगतो,
खवय्या मनं त्यातच रमतो!
कोल्हापूर असो, की पुण्याचं ठिकाण,
मिसळीचा खेळ सर्वांचं आवडतं खाणं!



राहुल चौधरी
द्वितीय वर्ष
इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकी

विकसित भारत

भारतानं स्वातंत्र्य मिळवल्यानंतर विकासाच्या दिशेनं वाटचाल सुरू केली. एकेकाळी परकीय शासनाखाली दबलेल्या भारताने आज जागतिक स्तरावर आपलं वेगळं स्थान निर्माण केलं आहे. विज्ञान, तंत्रज्ञान, अर्थव्यवस्था, संरक्षण, शिक्षण, आरोग्य, कृषी आणि डिजिटल क्षेत्र या सर्वच क्षेत्रांमध्ये भारत सातत्याने प्रगती करत आहे. आज आपण "विकसित भारत" या दिशेने खऱ्या अर्थाने वाटचाल करत आहोत.

आर्थिक विकासाचा वेग

भारताची अर्थव्यवस्था आज जगातील सर्वांत वेगाने वाढणाऱ्या अर्थव्यवस्थांपैकी एक मानली जाते. कृषी, उद्योग आणि सेवा क्षेत्रांमध्ये झालेली वाढ, स्टार्टअप संस्कृतीचा उदय, तसेच 'मेक इन इंडिया'सारख्या योजनांमुळे स्थानिक उत्पादकतेला चालना मिळाली आहे. 'डिजिटल इंडिया' उपक्रमामुळे आर्थिक व्यवहार, शासकीय सेवा आणि उद्योग व्यवहार अधिक सुलभ झाले आहेत. आज भारतीय रुपया आंतरराष्ट्रीय बाजारात अधिक विश्वासार्हतेने वापरला जात आहे.

डिजिटल परिवर्तन

विकसित भारताच्या दिशेने एक मोठे पाऊल म्हणजे डिजिटायझेशन. आज भारतात गावोगाव इंटरनेट पोहोचले आहे. UPI, आधार कार्ड, डिजिलॉकर, कोविन ॲप यांसारख्या डिजिटल साधनांनी सामान्य जनतेला शासकीय सेवा सहज उपलब्ध करून दिल्या आहेत. आज भारतातील लाखो लोक मोबाईल फोनद्वारे बँकिंग सेवा, आरोग्य सल्ला, शैक्षणिक सामग्री आणि सरकारी योजनांचा लाभ घेत आहेत. डिजिटल माध्यमामुळे प्रशासन पारदर्शक झाले आहे, आणि भ्रष्टाचाराला आळा बसला आहे.

शैक्षणिक व वैज्ञानिक प्रगती

शिक्षण ही कुठल्याही देशाच्या विकासाची खरी गुरुकिल्ली असते. नवी राष्ट्रीय शैक्षणिक धोरण (NEP) हे शिक्षण क्षेत्रात आमूलाग्र बदल घडवून आणणारे पाऊल आहे. यात विद्यार्थ्यांच्या सर्वांगीण विकासावर भर दिला जात आहे. याशिवाय विज्ञान आणि तंत्रज्ञान क्षेत्रात भारताने चांगली झेप घेतली आहे. ISRO ने मंगळावर यशस्वी मोहिम राबवली, चांद्रयान-३ मिशनमुळे भारताची जगभरात प्रशंसा झाली. औषधनिर्मिती, कृत्रिम बुद्धिमत्ता (AI), बायोटेक्नॉलॉजी आणि नवीकरणीय ऊर्जा यामध्येही भारत जागतिक आघाडीवर आहे.

सामाजिक समावेश

विकसित भारत म्हणजे केवळ आर्थिक समृद्धी नव्हे, तर सर्व घटकांना समान संधी मिळणेही आवश्यक आहे. जातीभेद, लिंगभेद, वांशिकता यासारख्या समस्यांवर भारताने सातत्याने उपाययोजना केल्या आहेत. स्त्री सक्षमीकरणाच्या दृष्टीने 'बेटी बचाओ, बेटी पढाओ', 'उज्ज्वला योजना', 'सुकन्या समृद्धी योजना' अशा उपक्रमांनी मोठा बदल घडवून आणला आहे. महिलांनी आज खेळ, प्रशासन, उद्योग आणि विज्ञान यासारख्या क्षेत्रांत आपला ठसा उमटवला आहे.

आरोग्य आणि स्वच्छता

'आयुष्मान भारत', 'स्वच्छ भारत अभियान' यांसारख्या योजनांनी सामान्य नागरिकांचा आरोग्याच्या दृष्टीने जीवनमान उंचावले आहे. करोना महामारी दरम्यान भारताने मोठ्या प्रमाणात लसीकरण मोहीम राबवली आणि जगालाही लस पुरवली. ही बाब विकसित भारताचे प्रतीक ठरते. ग्रामीण भागात आरोग्य सेवा पोहोचवण्याचा प्रयत्न यशस्वीपणे सुरू आहे.

ग्रामीण विकास

भारतीय लोकसंख्येचा मोठा भाग ग्रामीण भागात राहतो. म्हणून ग्रामीण विकास हा भारताच्या एकात्मिक विकासासाठी अत्यंत महत्त्वाचा आहे. रस्ते, वीज, पाणी, शिक्षण, आरोग्य सेवा आणि डिजिटल सुविधा यांचा विस्तार गावात झपाट्याने होत आहे. 'प्रधानमंत्री ग्राम सडक योजना', 'जल जीवन मिशन' आणि 'स्मार्ट व्हिलेज' संकल्पना ही त्याचे उत्तम उदाहरण आहे. ग्रामीण भागाचा विकास म्हणजेच भारताचा खरा विकास.

भारताचे जागतिक स्थान

भारत आज G-20 देशांचा अध्यक्ष आहे. जागतिक परिषदांमध्ये भारताची भूमिका केवळ सहभागी म्हणून नसून मार्गदर्शक म्हणून वाढली आहे. 'वसुधैव कुटुंबकम्' या विचारधारेनुसार भारताने मानवतेचे प्रतिनिधित्व जागतिक पातळीवर केले आहे. भारत आता एक आत्मनिर्भर राष्ट्र बनत आहे आणि जागतिक संकटांमध्ये मदतीसाठी सदैव तयार असतो.

धनस्वी अग्रवाल
द्वितीय वर्ष
इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकी

स्वच्छ भारत

"स्वच्छता हीच सेवा" या विचाराने प्रेरित होऊन भारत सरकारने स्वच्छ भारत अभियान सुरू केले. स्वच्छता म्हणजे फक्त आजूबाजूचा परिसर स्वच्छ ठेवणे नव्हे, तर ती एक जीवनशैली आहे. एखादा देश तेव्हाच खऱ्या अर्थाने प्रगत होतो, जेव्हा तिथले नागरिक स्वतःच्या जबाबदारीने स्वच्छतेकडे गांभीर्याने पाहतात. त्यामुळेच स्वच्छ भारताचे स्वप्न साकार करण्यासाठी सरकारसोबत प्रत्येक नागरिकाचा सक्रिय सहभाग आवश्यक आहे.

स्वच्छ भारत अभियानाची सुरुवात

२ ऑक्टोबर २०१४ रोजी महात्मा गांधी यांच्या जयंतीनिमित्त पंतप्रधान नरेंद्र मोदी यांच्या नेतृत्वाखाली "स्वच्छ भारत अभियान" सुरू करण्यात आले. या अभियानाचे मुख्य उद्दिष्ट म्हणजे भारताला २०१९ पर्यंत उघड्यावर शौचमुक्त करणे आणि घनकचरा व्यवस्थापन सुधारण्यावर भर देणे. या मोहिमेच्या माध्यमातून शहरांपासून ते खेड्यापर्यंत स्वच्छतेची जाणीव पोचवली गेली.

अभियानाची उद्दिष्टे

स्वच्छ भारत अभियानाची प्रमुख उद्दिष्टे खालीलप्रमाणे आहेत:

1. उघड्यावर शौचाला जाण्याची प्रथा संपवणे.
2. सार्वजनिक ठिकाणी स्वच्छता राखणे.
3. कचरामुक्त परिसर तयार करणे.
4. स्वच्छतेबाबत जनजागृती वाढवणे.
5. शाळा, रुग्णालये, कार्यालये यांसारख्या ठिकाणी स्वच्छता सुनिश्चित करणे.

महात्मा गांधींची स्वच्छतेविषयी शिकवण

महात्मा गांधींनी स्वच्छतेला अत्यंत महत्त्व दिले होते. त्यांच्या मते, स्वराज्य मिळवण्याइतकंच स्वच्छता हे देखील महत्त्वाचं आहे. ते स्वतः झाडू घेऊन स्वच्छता करीत असत. त्यांच्या विचारांमधून प्रेरणा घेऊनच स्वच्छ भारत अभियानाचा पाया घातला गेला आहे.

नागरिकांची भूमिका

सरकार केवळ योजना आखू शकते, परंतु त्याची यशस्वी अंमलबजावणी नागरिकांच्या सहभागावर अवलंबून असते. प्रत्येकाने आपल्या घराच्या आजूबाजूचा परिसर स्वच्छ ठेवला, तर संपूर्ण देश स्वच्छ होईल. सार्वजनिक ठिकाणी कचरा टाकणे टाळावे, कचरापेटीचा वापर करावा, प्लास्टिकच्या पिशव्या वापरणे कमी करावे, यामुळे स्वच्छतेकडे एक पाऊल पुढे टाकता येईल.

शाळांमध्ये विद्यार्थ्यांना स्वच्छतेचे धडे दिले जात आहेत. विविध कार्यक्रम, रॅली, चित्रकला स्पर्धा, निबंध लेखन यांद्वारे विद्यार्थ्यांमध्ये स्वच्छतेबाबत जागरूकता वाढवली जाते.

यशस्वी उदाहरणे

स्वच्छ भारत अभियानामुळे अनेक खेड्यांनी आणि शहरांनी उघड्यावर शौचास जाण्याची प्रथा संपवली आहे. काही गावांनी तर पूर्णपणे कचरामुक्त होण्याचा विक्रम प्रस्थापित केला आहे. अनेक ठिकाणी महिला पुढाकार घेऊन गावात शौचालये बांधून घेत आहेत. हे बदल समाजाच्या सकारात्मक मानसिकतेचे द्योतक आहेत.

स्वच्छतेचे फायदे

स्वच्छतेमुळे केवळ परिसर सुंदर दिसतो, असे नाही. आरोग्य राखण्यासाठी स्वच्छता अत्यावश्यक आहे. स्वच्छतेमुळे डेंग्यू, मलेरिया, कॉलरा, डायरिया यांसारखे रोग होण्याचे प्रमाण कमी होते. तसेच पर्यटन क्षेत्रालाही चालना मिळते. एक स्वच्छ देश म्हणजे जागतिक स्तरावर आदराने पाहिले जाणारे राष्ट्र.

स्नेहा शर्मा
द्वितीय वर्ष
इलेक्ट्रॉनिक्स आणि दूरसंचार अभियांत्रिकी

Green Clean India

स्कील इंडिया

आजच्या आधुनिक आणि स्पर्धात्मक युगात शिक्षणासोबतच व्यावसायिक कौशल्याचे महत्त्व दिवसेंदिवस वाढत आहे. केवळ पदवी मिळवणे हे पुरेसे न राहता, त्यासोबत रोजगारक्षम आणि जीवनोपयोगी कौशल्ये असणे अत्यावश्यक झाले आहे. ही गरज ओळखून भारत सरकारने "कौशल्य भारत – कुशल भारत" (Skill India) ही महत्त्वाकांक्षी मोहीम १५ जुलै २०१५ रोजी सुरू केली. या योजनेचे प्रमुख उद्दिष्ट म्हणजे भारतातील युवकांना जागतिक स्तरावर स्पर्धात्मक बनवणे.

या योजनेंतर्गत भारतात अनेक कौशल्य प्रशिक्षण केंद्रे स्थापन करण्यात आली आहेत. माहिती तंत्रज्ञान, हेल्थकेअर, कृषी, वाहन उद्योग, बांधकाम, इलेक्ट्रिकल, फॅशन डिझायनिंग, पर्यटन अशा विविध क्षेत्रांमध्ये प्रशिक्षण देण्यात येते. प्रशिक्षणानंतर प्रमाणपत्र दिले जाते, जे रोजगारासाठी उपयुक्त ठरते. ही कौशल्ये युवकांना स्वावलंबी बनवतात आणि बेरोजगारी दूर करण्यासही मदत करतात.

'कौशल्य विकास आणि उद्योजकता मंत्रालय' भारत सरकारकडून या उपक्रमाची अंमलबजावणी केली जाते. खासगी संस्था, उद्योग समूह, शैक्षणिक संस्था यांच्या सहकार्याने युवकांना गुणवत्तापूर्ण प्रशिक्षण दिले जाते. अशा प्रकारे शिक्षण आणि उद्योग यांच्यातील दरी भरून काढण्याचा प्रयत्न या उपक्रमाद्वारे केला जात आहे. हे प्रशिक्षण केवळ शहरी नव्हे, तर ग्रामीण भागांमध्येही पोहोचवले जात आहे.

महिला सक्षमीकरणासाठीदेखील कौशल्य प्रशिक्षण फार उपयुक्त ठरते. अनेक महिलांनी घरबसल्या प्रशिक्षण घेऊन छोटे उद्योग सुरू केले आहेत. तसेच दिव्यांग व्यक्तींनाही या योजनेंतर्गत विशेष प्रशिक्षण दिले जाते. रोजगार मिळवण्यापेक्षा रोजगार निर्मिती करण्याकडे या उपक्रमांचा कल असून, त्यामुळे स्टार्टअप संस्कृतीला चालना मिळत आहे.

'कौशल्यसंपन्न भारत' ही संकल्पना म्हणजे केवळ रोजगारासाठी नव्हे, तर संपूर्ण समाजाच्या आर्थिक आणि सामाजिक उन्नतीसाठी महत्त्वाचा टप्पा आहे. जेव्हा देशातील प्रत्येक नागरिक त्याच्या क्षमतेनुसार कौशल्य प्राप्त करतो, तेव्हा तो केवळ स्वतःचे जीवनच नाही तर समाजाचेही स्वरूप बदलतो. कौशल्य विकासामुळे देशाच्या एकूण उत्पादनक्षमतेत वाढ होते आणि भारत आंतरराष्ट्रीय बाजारात स्वतःची ओळख निर्माण करतो.

या दिशेने प्रयत्न सुरू असून अजूनही मोठ्या प्रमाणावर जनजागृती, शैक्षणिक सुधारणा आणि स्थानिक गरजांनुसार प्रशिक्षण कार्यक्रमांची आवश्यकता आहे. शाळा, महाविद्यालये, व औद्योगिक संस्थांनी एकत्रितपणे काम केल्यास 'कौशल्यसंपन्न भारत' हे स्वप्न लवकरच साकार होईल. युवकांनीदेखील या संधींचा लाभ घ्यावा आणि आत्मनिर्भर भारताच्या निर्मितीत आपले योगदान द्यावे, हीच या उपक्रमामागील खरी भावना आहे.

वीणा देशमुख
द्वितीय वर्ष
यांत्रिक अभियांत्रिकी

डिजिटल इंडिया – एक पाऊल पुढे

"डिजिटल इंडिया" ही भारत सरकारची महत्वाकांक्षी योजना आहे, जी २०१५ मध्ये सुरू केली गेली. या योजनेचा मुख्य उद्देश म्हणजे भारताला डिजिटलदृष्ट्या सक्षम बनवणे. डिजिटल इंडिया योजना भारताच्या विकासासाठी एक महत्त्वाची पायाभूत योजना बनली आहे, जी देशातील विविध क्षेत्रांमध्ये तंत्रज्ञानाचा वापर वाढवते. या योजनेच्या माध्यमातून सरकारी सेवा, व्यवसाय, शिक्षण, आरोग्य, शेती आणि इतर महत्त्वाच्या क्षेत्रांमध्ये तंत्रज्ञानाचा उपयोग साधण्यात आलेला आहे, ज्यामुळे भारताला एक प्रगतीशील आणि सक्षम राष्ट्र बनवण्यासाठी महत्त्वपूर्ण पाऊले उचलली आहेत.

डिजिटल इंडिया योजनेचा सर्वात महत्त्वाचा घटक म्हणजे "ई-गव्हर्नन्स" आणि "ई-सेवांसाठी डिजिटल साक्षरता." यामध्ये भारत सरकारने विविध सरकारी सेवा ऑनलाइन उपलब्ध करुन नागरिकांसाठी सुलभ केली आहेत. डिजिटल इंडिया योजनेंतर्गत "आधार" प्रणाली, "आयटी साक्षरता" आणि "सर्वसामान्य इंटरनेट प्रवेश" यांसारख्या उपक्रमांचा समावेश केला आहे, ज्यामुळे लोकांना शासनाच्या सेवा अधिक सुलभपणे मिळवता येतात. तसेच, या योजनेमुळे सरकारी प्रक्रियांचा पारदर्शकतेसाठी महत्त्वपूर्ण प्रगती झाली आहे, ज्यामुळे भ्रष्टाचार कमी होण्यास मदत झाली आहे.

आजकालच्या घडामोडी पाहता, भारत सरकारने उपग्रह आधारित इंटरनेट सेवा सुरू करण्यासाठी Starlink या प्रकल्पाला मान्यता दिली आहे. या उपग्रह इंटरनेट सेवा माध्यमातून देशाच्या दूरदराजच्या भागात इंटरनेट सुविधा पोहोचवण्यात मदत होईल, ज्यामुळे ग्रामीण आणि दुर्गम क्षेत्रात डिजिटल सुविधा अधिक प्रभावीपणे कार्यान्वित होऊ शकतील. यामुळे देशातील डिजिटल पायाभूत सुविधांची मोठ्या प्रमाणावर वाढ होईल, आणि डिजिटल इंडिया योजनेला एक नवीन दिशा मिळेल. ही सुविधा नागरिकांच्या जीवनमानात सुधारणा आणण्यास आणि देशाच्या विकासाच्या दृष्टीने एक मोठे पाऊल ठरेल.

तंत्रज्ञानाच्या क्षेत्रात आणखी एक महत्त्वपूर्ण पाऊल म्हणजे कृत्रिम बुद्धिमत्ता (AI) आणि डेटा विज्ञानाच्या वापरामध्ये वाढ. भारताने स्वदेशी भाषांमध्ये आधारित AI मॉडेल्स तयार करण्याची प्रक्रिया सुरू केली आहे, ज्यामुळे भारतीय भाषांमध्ये कार्यरत असलेल्या सॉफ्टवेअर्सचा दर्जा सुधारला जात आहे. या प्रगतीमुळे देशातील युवा वर्गाला कौशल्य विकासाच्या नव्या संधी प्राप्त होत आहेत आणि त्याचबरोबर भारत डिजिटल क्षेत्रात जागतिक स्तरावर आपली ओळख निर्माण करत आहे. खासकरून ग्रामीण भागातील लोकांना ते त्यांच्या मातृभाषेत डिजिटल सेवांचा वापर करू शकतात, जो भविष्यात एक मोठी क्रांती आणू शकतो.

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डिजिटल सुरक्षेच्या बाबतीत, सरकारने अनेक उपाययोजना राबविल्या आहेत. डिजिटल व्यवहार वाढल्यामुळे, डेटा संरक्षण आणि सायबर सुरक्षा महत्त्वाची ठरली आहे. बँकिंग, वित्तीय सेवांमध्ये देखील मोठ्या प्रमाणात डिजिटल साधनांचा वापर सुरू झाला आहे, आणि त्यामुळे ग्राहकांच्या माहितीच्या संरक्षणावर अधिक लक्ष दिले जात आहे. सरकारने विविध डिजिटल सुरक्षा उपाय आणि डेटा संरक्षण धोरणे राबवून डिजिटल जगात सुरक्षितता वाढवली आहे. तसेच, सरकारने सायबर सुरक्षा क्षेत्रात संशोधन व विकासासाठी मोठ्या प्रमाणावर निधी दिला आहे, ज्यामुळे विविध धोके टाळता येतात.

डिजिटल इंडिया योजनेंतर्गत बँकिंग क्षेत्रामध्ये डिजिटल ट्रांझॅक्शनचे प्रमाण झपाट्याने वाढले आहे. "डिजिटल बँकिंग" प्रणालीमध्ये मोठ्या प्रमाणात सुधारणा करण्यात आलेली आहे. जसे की यूपीआय (UPI), ई- वॉलेट्स, ऑनलाइन बिल पेमेंट्स, तसेच इतर डिजिटल सेवा यांचा वापर सामान्य लोकांपर्यंत पोहोचवला गेला आहे. यामुळे नागरिकांचे वेळ वाचतो आणि त्यांना त्वरित सेवांचा लाभ मिळतो.

खुशी काळे
द्वितीय वर्ष
विद्युत अभियांत्रिकी

हिंदी विभाग



अनुक्रमाणिका

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वहीं मिलता नहीं

गुल फलक में खिल रहा है, बाग में खिलता नहीं
दिल को जिससे प्यार होता, है वही मिलता नहीं!

आदित्य चव्हाण
चौथे वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

कॉलज एक सफर

कॉलेंज का वो पहला दिन, एक नया जहाँ था।
नए दोस्त, नई कहानी, हर दिन कुछ खास था।
उसे किताबों में उलझी,
मस्ती का वो वक्त था।
प्रोफेसर की बातें सीखी, एग्ज़ाम में रातें जागी,
पर खुद की हँसियों पर था विश्वास।
कैटिन की वो सुबह की चाय,
मैस पर खाने की बातें रहती थी।
हर कदम में मिलती एक नयी
जिंदगी थी।
बंक की कहानियाँ, क्लास का सिलसिला था।
दोस्तों के साथ पूरा क्लास,
बंक करना भी खास था।
ये सफर कभी खत्म नहीं होता,
एक नया मोड़ लाता है।
जो सीखा है हमने यहाँ, वो दुनिया
को दिखाएँगे।
एस.एस.जी.एम.सी. के विद्यार्थी हैं,
हम अपना आसमान बनाएँगे।

प्रसाद झाल्टे
चौथे वर्ष
परमाणु एवं दूरसंचार अभियांत्रिकी

गबन से कामू तक: हिंदी साहित्य की अनसुनी गूँज और एक छात्र का सवाल

मैं वह छात्र हूँ जिसने प्रेमचंद के "गबन" को पढ़कर उसकी समाजशास्त्रीय गहराई को महसूस किया, लेकिन बाद में दोस्तोव्स्की के "क्राइम एंड पनिशमेंट", काफ्का के "मेटामॉर्फोसिस", और कामू के "दि स्ट्रेंजर" जैसे उपन्यासों के जादू में खो गया। इन पश्चिमी रचनाओं ने मुझे अस्तित्ववाद, नैतिक संकट और मानवीय जटिलताओं से रूबरू कराया। लेकिन एक सवाल हमेशा मेरे मन में कौंधता रहा: "क्या हिंदी साहित्य में यह गहराई नहीं? या फिर हम उसे पढ़ने का तरीका भूल गए हैं?"

1. प्रेमचंद vs दोस्तोव्स्की: दोनों में क्या अंतर है?

"गबन" में रामनाथ का पतन सिर्फ एक व्यक्ति की कहानी नहीं, बल्कि पूंजीवाद और सामाजिक दिखावे की विडंबना है। यह वही "नैतिक अराजकता" है जो दोस्तोव्स्की के "नोट्स फ्रॉम अंडरग्राउंड" में दिखती है। फिर भी, दोस्तोव्स्की को "विश्व साहित्य का प्रतीक" माना जाता है, जबकि प्रेमचंद को स्कूली पाठ्यक्रम तक सीमित कर दिया गया है। क्या यह हिंदी साहित्य के प्रति हमारी संकीर्ण सोच नहीं?

2. हिंदी साहित्य का 'एक्ज़िस्टेंशियल' पक्ष: कामू और काफ्का से टक्कर

अल्बेयर कामू ने "सिसिफस की पौराणिक कथा" में जीवन की निरर्थकता पर विचार किया, लेकिन धर्मवीर भारती के "गुनाहों का देवता" या निर्मल वर्मा के उपन्यास भी प्रेम, अकेलेपन और अस्तित्व के संकट को उतने ही तीखेपन से उकेरते हैं। काफ्का के "दि ट्रायल" जैसा अविश्वास और ब्यूरोक्रेसी का भय फणीश्वरनाथ रेणु के "मैला आँचल" में भी दिखता है। फिर भी, हम इन तुलनाओं को क्यों नहीं देखते?

3. अनुवाद की समस्या: हिंदी साहित्य 'लोकल' क्यों बना दिया गया?

दोस्तोव्स्की और कामू को पढ़ने वाले हर भारतीय छात्र तक उनकी रचनाएँ अंग्रेज़ी अनुवाद के माध्यम से पहुँचती हैं। लेकिन हिंदी के उपन्यासों के अंग्रेज़ी अनुवाद (जैसे "गोदान" या "टूटा पहिया") किताबों की दुकानों में क्यों नहीं मिलते? क्या यह विडंबना नहीं कि जापानी लेखक मुराकामी को भारत में उतना पढ़ा जाता है, जितना राजेंद्र यादव या मन्नू भंडारी को नहीं?

4. 'कूल' का टैग और युवाओं की धारणा

आज के युवा अंग्रेज़ी साहित्य को "इंटलेक्चुअल" और हिंदी को "पारंपरिक" मानते हैं। मगर क्या अज्ञेय के "शेखर: एक जीवनी" में जो मनोवैज्ञानिक जटिलताएँ हैं, वे "दि बेल" जैसे उपन्यासों से कम हैं? सोशल मीडिया पर "बुकस्टाग्राम" करने वाले युवा क्यों नहीं दिखाते कि कृष्णा सोबती का "ज़िंदगीनामा" या शिवानी का "कृष्णकली" भी उतना ही पेचीदा है?

5. हिंदी साहित्य को फिर से कैसे खोजें?

अपनी पसंद को चुनौती दें: अगर आप कामू के "दि फॉल" से प्रभावित हैं, तो मोहन राकेश के "अंधेरे बंद कमरे" (नाटक) को पढ़ें—यहाँ भी अस्तित्व का संघर्ष है। अनुवाद की माँग करें: कॉलेज लाइब्रेरी या प्रकाशकों से हिंदी क्लासिक्स के अंग्रेज़ी/अन्य भाषाओं में अनुवाद माँगें।

डिजिटल प्लेटफॉर्म्स का उपयोग: "हिंदी यात्रा", "रेख़्ता" (हिंदी सेक्शन) जैसे प्लेटफॉर्म्स पर हिंदी की आधुनिक कविताएँ और लघुकथाएँ खोजें।

निष्कर्ष: "गबन" से आगे की यात्रा

"गबन" मेरी पहली खिड़की थी, लेकिन हिंदी साहित्य एक पूरा महासागर है। जिस तरह काफ्का ने कहा था—"एक

किताब वह कुल्हाड़ी होनी चाहिए जो हमारे भीतर के जमे हुए समुद्र को तोड़े"—हिंदी की रचनाएँ भी यही कर सकती हैं, बशर्ते हम उन्हें "सिलेबस का बोझ" समझना बंद कर दें। शायद, अगली बार जब कोई मुझसे पूछे कि "तुम्हारा फेवरिट बुक कौन सा है?", मैं "दि मिथ ऑफ सिसिफस" के साथ-साथ "उसने कहा था" (चंद्रधर शर्मा गुलेरी) का नाम भी लूँगा।

"हिंदी साहित्य को 'अंडररेटेड' कहने से पहले, हमें यह पूछना चाहिए—क्या हमने उसे वह मौका दिया जो दोस्तोव्स्की को दिया?"

जयश पाटिल
द्वितीय वर्ष
संगणक विज्ञान अभियांत्रिकी

धैर्य रखना ही सबसे बड़ी सीख है

जीवन एक ऐसी यात्रा है जो हमेशा सरल नहीं होती। इसमें अनेक मोड़, बाधाएं और कठिनाइयाँ आती हैं। कभी हम सफलता के शिखर पर होते हैं, तो कभी असफलता की गर्त में। इन सबके बीच जो व्यक्ति धैर्यपूर्वक अपने लक्ष्य की ओर बढ़ता रहता है, वही सच्चे मायनों में विजेता कहलाता है। धैर्य वह गुण है जो न केवल हमें कठिन समय में सहारा देता है, बल्कि हमारे व्यक्तित्व को भी निखारता है।

धैर्य का अर्थ और महत्व:

धैर्य का अर्थ है – समय और परिस्थितियों के अनुसार संयम बनाए रखना, बिना उत्तेजित हुए निर्णय लेना, और विपरीत हालात में भी मन की स्थिरता बनाए रखना। यह किसी भी मनुष्य का सबसे बड़ा मानसिक बल होता है। धैर्य हमें सिखाता है कि परिस्थितियाँ चाहे जैसी भी हों, हमें अपनी सोच और दिशा पर अडिग रहना चाहिए।

जीवन में हर चीज़ तुरंत नहीं मिलती। सफलता, सम्मान, प्रेम, आत्म-संतोष – ये सब धीरे-धीरे मेहनत, समय और धैर्य से मिलते हैं। यदि हम अधीर हो जाएं, तो या तो हम गलत निर्णय लेंगे, या बीच रास्ते में हार मान लेंगे।

धैर्य के उदाहरण – इतिहास से सीख:

इतिहास इस बात का प्रमाण है कि जिन लोगों ने धैर्य रखा, उन्होंने असंभव को भी संभव कर दिखाया। महात्मा गांधी का जीवन इसका उत्तम उदाहरण है। उन्होंने सत्य और अहिंसा के मार्ग पर चलते हुए वर्षों तक अंग्रेजों से लड़ाई लड़ी। उनके धैर्य, आत्मबल और विश्वास ने देश को आज़ादी दिलाई। अगर वे अधीर होते, तो शायद भारत को आज़ादी का सूरज इतनी शांति से नहीं मिलता।

इसी तरह, वैज्ञानिक थॉमस एडिसन ने बल्ब का आविष्कार करने से पहले हजारों प्रयोग किए जो असफल हुए। लेकिन उन्होंने कभी हार नहीं मानी। उनका यह प्रसिद्ध कथन – "मैं असफल नहीं हुआ, मैंने सिर्फ यह सीख लिया कि कौन से तरीके काम नहीं करते" – यह दर्शाता है कि धैर्य ही सफलता की कुंजी है।

आधुनिक जीवन में धैर्य की प्रासंगिकता:

आज के समय में हर चीज़ त्वरित हो गई है। लोग चाहते हैं कि हर कार्य का परिणाम तुरंत मिले। मोबाइल, इंटरनेट, इंस्टेंट फूड और सोशल मीडिया की दुनिया ने धैर्य को लगभग भुला दिया है। लेकिन वास्तविक जीवन इससे अलग है। जीवन में स्थायी चीजें – जैसे अच्छी शिक्षा, स्थिर करियर, सच्चा प्रेम, और मानसिक संतुलन – समय लेती हैं। ये केवल धैर्य और निरंतर प्रयास से ही संभव होती हैं।

छात्र जीवन इसका एक उदाहरण है। कई विद्यार्थी जल्दबाज़ी में परिणाम की चिंता करते हैं और थोड़ा असफल होते ही निराश हो जाते हैं। लेकिन जो विद्यार्थी निरंतर पढ़ाई करते हैं, गलतियों से सीखते हैं और धैर्य रखते हैं, वे अंत में ज़रूर सफल होते हैं।

धैर्य- एक आध्यात्मिक दृष्टिकोण:

भारतीय संस्कृति में धैर्य को एक आध्यात्मिक गुण माना गया है। भगवद गीता में भगवान श्रीकृष्ण ने कहा है – "जो व्यक्ति सुख-दुख, लाभ-हानि, जय-पराजय को समान भाव से स्वीकार करता है, वही सच्चा योगी है।" यह धैर्य और संतुलन की भावना ही है जो व्यक्ति को मानसिक शांति देती है।

ध्यान, योग, प्रार्थना – ये सभी धैर्य को विकसित करने के साधन हैं। जब हम भीतर से शांत होते हैं, तब ही हम बाहरी दुनिया की अशांति का सामना कर सकते हैं।

श्रुति येउल
तृतीय वर्ष
विद्युत अभियांत्रिकी

डिजिटल इंडिया: संभावनाएँ और चुनौतियाँ

परिचय

वर्तमान युग को यदि डिजिटल क्रांति का युग कहा जाए, तो अतिशयोक्ति नहीं होगी। भारत सरकार द्वारा 1 जुलाई 2015 को शुरू की गई डिजिटल इंडिया पहल, देश को तकनीकी रूप से सशक्त बनाने की दिशा में एक महत्त्वपूर्ण कदम है। इसका उद्देश्य है – प्रत्येक नागरिक को डिजिटल सशक्तिकरण प्रदान करना, सरकारी सेवाओं की पारदर्शिता बढ़ाना और ग्रामीण तथा शहरी भारत के बीच डिजिटल खाई को पाटना।

डिजिटल इंडिया की संभावनाएँ

डिजिटल इंडिया कार्यक्रम ने देश के विकास में अनेक संभावनाओं के द्वार खोले हैं। इसके माध्यम से शिक्षा, स्वास्थ्य, बैंकिंग, और कृषि जैसी मूलभूत सेवाएँ अब इंटरनेट के माध्यम से आम नागरिक तक पहुँचना संभव हो पाई हैं।

1. शिक्षा के क्षेत्र में – ऑनलाइन कक्षाएँ, ई-लर्निंग प्लेटफॉर्म और डिजिटल लाइब्रेरी ने ज्ञान की पहुँच को गाँव-गाँव तक आसान बना दिया है। डिजिटल साक्षरता के कार्यक्रम, जैसे "प्रधानमंत्री ग्रामीण डिजिटल साक्षरता अभियान", शिक्षा में समावेशिता को बढ़ावा दे रहे हैं।
2. स्वास्थ्य सेवाओं में – टेलीमेडिसिन, ई-हॉस्पिटल, और ऑनलाइन स्वास्थ्य परामर्श सेवाओं ने दुर-दराज़ के क्षेत्रों में इलाज की गुणवत्ता को बेहतर किया है। कोविड-19 काल में आरोग्य सेतु, को-विन जैसे ऐप्स ने देशव्यापी टीकाकरण एवं निगरानी प्रणाली को संभव बनाया।
3. ई-गवर्नेंस और पारदर्शिता – सरकारी योजनाओं और सब्सिडी का लाभ अब सीधे लाभार्थी के बैंक खातों में डिजिटल माध्यम से पहुँचना, डीबीटी (Direct Benefit Transfer) के माध्यम से संभव हुआ है। इससे भ्रष्टाचार में कमी आई है और प्रशासनिक पारदर्शिता में वृद्धि हुई है।
4. रोज़गार और स्टार्टअप – डिजिटल प्लेटफार्मों की सहायता से लाखों युवाओं को ई-कॉमर्स, ऐप डेवलपमेंट, डिजिटल मार्केटिंग, और फ्रीलांसिंग में नए अवसर मिल रहे हैं। "स्टार्टअप इंडिया" और "मेक इन इंडिया" जैसी योजनाओं को डिजिटल ढांचे का भरपूर समर्थन मिल रहा है।

डिजिटल इंडिया की चुनौतियाँ

हालाँकि डिजिटल इंडिया एक क्रांतिकारी पहल है, लेकिन इसकी राह में अनेक व्यावहारिक, तकनीकी और सामाजिक चुनौतियाँ भी हैं।

1. डिजिटल असमानता – आज भी देश के ग्रामीण और दुर-दराज़ के क्षेत्रों में इंटरनेट कनेक्टिविटी सीमित है।

ब्रॉडबैंड की पहुँच, स्मार्टफोन की उपलब्धता, और डिजिटल साक्षरता की कमी इस अभियान को सीमित कर देती है।

2. साइबर सुरक्षा की समस्या – डेटा चोरी, ऑनलाइन ठगी, और हैकिंग जैसे मामले डिजिटल प्रणाली के प्रति अविश्वास को जन्म देते हैं। आम नागरिकों को साइबर सुरक्षा के प्रति जागरूक करना एक आवश्यक कदम है।
3. तकनीकी साक्षरता की कमी – बड़ी संख्या में बुज़ुर्ग, अशिक्षित, और तकनीक से अपरिचित नागरिकों के लिए डिजिटल प्लेटफॉर्म का उपयोग करना चुनौतीपूर्ण होता है। प्रशिक्षण कार्यक्रमों को अधिक प्रभावी बनाने की आवश्यकता है।
4. भाषा और सामग्री की बाधा – अधिकांश डिजिटल सामग्री अंग्रेज़ी भाषा में उपलब्ध है, जो हिंदी व अन्य भारतीय भाषाओं के उपयोगकर्ताओं के लिए बाधा उत्पन्न करती है। क्षेत्रीय भाषाओं में डिजिटल सामग्री की उपलब्धता एक आवश्यक कदम है।

गौरी काकड़
द्वितीय वर्ष
संगणक विज्ञान अभियांत्रिकी

दृष्टि कोण

दृष्टि वही, पर भिन्न दृष्टिकोण,
बदल दे जीवन की हर एक मौन।
जिसे तू समझे बोझ भारी,
वही बने सीख, वही हो वारी।

नीचे देखे तो राहें कठिन,
ऊपर देखे तो सपने अगिन।
हर दिशा का होता है मोल,
बस नज़र का हो सही रोल।

एक ही सूरज, एक ही धूप,
पर छाया बदले हर एक रूप।
सोच का दर्पण, दृष्टि का रंग,
बदल दे जीवन के हर संग।

चाहे मिलें कांटे या फूल,
दृष्टि कोण रखे दिल को कूल।
समझो हर अनुभव की बात,
दृष्टि से मिलती है नई सौगात।

तो रखो नज़रिया नया, अनोखा,
हर अंधेरे में देखो प्रकाश का झरोखा।
दृष्टि कोण है सोच का मान,
यही है जीवन का असली ज्ञान।

देवेश पवार
तृतीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

आत्मविश्वास की ज्योति

चल पड़े जो पथ पर अकेला,
उसका न रुकता कोई मेला।
हर मुश्किल उसके आगे झुके,
जो अपने मन से न डरे, न रुके।

न देखो बाहरी रूप-साज,
असली ताक़त है अंदर की आवाज़।
आत्मा में है विश्वास की रोशनी,
जो डर को भी बना दे जोश की होली।

गिरा कई बार, फिर भी उठा,
हर ठोकर ने उसे मज़बूत बना डाला।
कहा खुद से – "मैं कर सकता हूँ",
और वही बना उसकी जीत का मंत्र अनमोल।

कभी न कम हो अपनी पहचान,
हर दिल में है एक आग, एक जान।
ना देखो क्या कहे ज़माना,
तुम खुद हो अपनी किस्मत का फ़साना।

आत्मविश्वास है वो दीपक,
जो अंधेरे में भी देता है संकेत।
जिसके पास ये पूंजी है सच्ची,
उसकी हर राह बनती है सजी-संवरी।

मैथिली लोधे
द्वितीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

अंत ही आरंभ है

जीवन एक निरंतर प्रवाह है, जिसमें हर अंत किसी न किसी नए आरंभ की नींव रखता है। यह प्रकृति का शाश्वत नियम है कि जो कुछ समाप्त होता है, वह किसी नई शुरुआत का संकेत देता है। यह विषय — "अंत ही आरंभ है" — केवल एक दार्शनिक विचार नहीं, बल्कि जीवन के हर क्षेत्र में बार-बार सत्य सिद्ध हुआ है। चाहे वह मनुष्य का जीवन हो, मौसम का चक्र हो, या फिर इतिहास के पन्ने हों — हर अंत अपने साथ नए अवसर, नई दिशा और नई चेतना को जन्म देता है।

मनुष्य के जीवन की यात्रा को ही लें। जन्म से मृत्यु तक यह यात्रा अनेक अंत और अनेक आरंभ से भरी होती है। एक बालक जब किशोर होता है तो बचपन का अंत होता है, परंतु उसी समय एक नए अनुभवशील जीवन की शुरुआत होती है। जब कोई विद्यार्थी अपनी शिक्षा पूरी करता है तो वह शिक्षा का अंत होता है, लेकिन उस ज्ञान से एक नए कार्यक्षेत्र, एक नए जीवन की शुरुआत होती है। इसी प्रकार जब कोई नौकरी छोड़ता है, तो वह एक जीवन-चरण का अंत होता है, लेकिन साथ ही यह भी संभावना रहती है कि वह कोई व्यवसाय आरंभ करे या किसी नए क्षेत्र में कदम रखे।

प्रकृति भी इस नियम का अनुपालन करती है। वसंत ऋतु का अंत ग्रीष्म ऋतु की शुरुआत है, और ग्रीष्म के बाद वर्षा आती है। इसी तरह सूर्यास्त का मतलब दिन का अंत है, लेकिन साथ ही वह रात की शुरुआत है। हर रात के अंत में एक नया सूर्योदय होता है। इस तरह प्रकृति हमें निरंतर यह सिखाती है कि अंत से घबराने की आवश्यकता नहीं है, क्योंकि वही नए आरंभ का द्वार खोलता है।

इतिहास पर नजर डालें तो बड़े-बड़े साम्राज्यों का पतन हुआ है, लेकिन उन्हीं पतनों ने नए युग की शुरुआत की। जब भारत पर मुगलों का शासन समाप्त हुआ, तो अंग्रेजों का युग शुरू हुआ। फिर जब ब्रिटिश शासन का अंत हुआ, तो स्वतंत्र भारत का आरंभ हुआ। इस प्रकार हर युग का अंत किसी नए युग की शुरुआत करता है। संघर्ष, त्याग और बलिदान से भरे ऐसे अनेक अंत अंततः स्वतंत्रता, विकास और नवचेतना का कारण बने।

व्यक्तिगत जीवन में भी कई बार हमें किसी रिश्ते, नौकरी, स्थान या आदत को अलविदा कहना पड़ता है। ये सभी अंत पहले तो दुखद और भयावह प्रतीत होते हैं, लेकिन समय के साथ हम समझते हैं कि वे अंत आवश्यक थे — हमें बेहतर अवसरों की ओर बढ़ने के लिए। जब कोई व्यक्ति असफल होता है, तो वह उस विफलता को एक अंत मानता है। लेकिन यदि वह उसी अनुभव से सीखकर आगे बढ़ता है, तो वह अंत ही उसके जीवन के सबसे सफल आरंभ का कारण बनता है। थॉमस एडिसन की ही बात करें, उन्होंने हजारों बार असफल होकर अंततः बल्ब का आविष्कार किया। उनकी असफलताएँ अंत नहीं थीं, बल्कि सीखने की प्रक्रिया में पड़ाव थीं — और उसी से सफलता का आरंभ हुआ।

"अंत ही आरंभ है" यह विचार व्यक्ति को निराशा से आशा की ओर, अंधकार से प्रकाश की ओर ले जाता है। यह जीवन को सकारात्मक दृष्टिकोण से देखने की प्रेरणा देता है। यह विचार सिखाता है कि जब एक दरवाजा बंद होता है, तो कोई दूसरा अवश्य खुलता है। मनुष्य को केवल उस नए दरवाजे की ओर दृष्टि करनी होती है।

महाभारत में भी श्रीकृष्ण ने कहा था — "जो हुआ वह अच्छा हुआ, जो हो रहा है वह अच्छा हो रहा है, और जो होगा वह भी अच्छा ही होगा।" यह विश्वास इसी विचार पर आधारित है कि हर अंत एक बेहतर आरंभ की संभावना लेकर आता है। दुख के बाद सुख का आगमन होता है, हार के बाद जीत आती है और अंधकार के बाद प्रकाश।

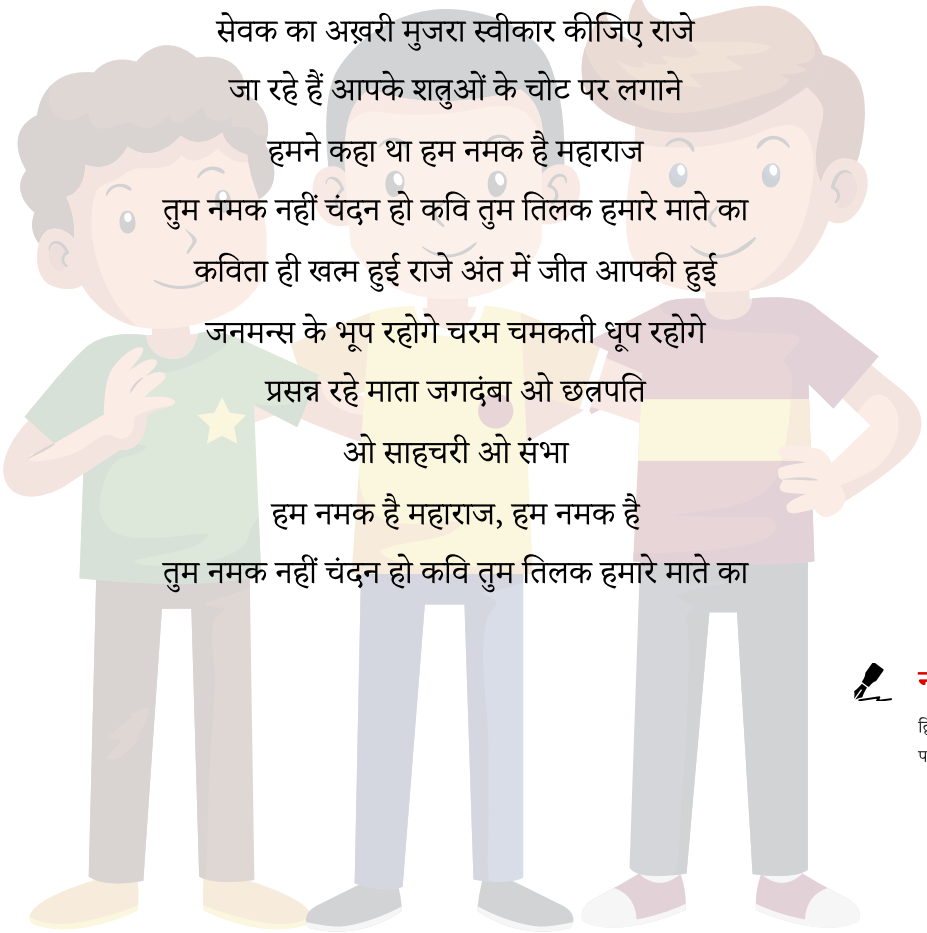
इसलिए हमें कभी भी किसी अंत से भयभीत नहीं होना चाहिए। जब जीवन में कोई चरण समाप्त हो, तो हमें उसे विदाई देकर, नई शुरुआत के लिए तैयार रहना चाहिए। यह आत्मविश्वास और धैर्य ही हमें हर अंत के बाद नए आरंभ की ओर ले जाता है। अंत में, यही कहा जा सकता है कि —

"हर अंत में छिपा है एक आरंभ,
हर अंधेरे के पीछे है एक प्रकाश,
हर गिरावट में है एक ऊँचाई की तैयारी,
क्योंकि अंत ही है हर नई यात्रा की शुरुआत।"

कषिश अग्रवाल
द्वितीय वर्ष
परमाणु एवं दूरसंचार अभियांत्रिकी

सखा

मन के जीते जीत है मन के हारे हार
हार गए जो बिन लड़े उनपर है धिक्कार
उनपर है धिक्कार जो देखे न सपना
सपनों का अधिकार असलअधिकार है अपना
अपनों के खातिर करना कुछ आज हमें
अजर अमर कर देना है स्वराज हमें
तु मटी का लाल है कोई कंकड़ या धूल नहीं
तु समय बदल के रख देगा इतिहास लिखेगा भूल नहीं
तु भोर का पहिला तारा है परिवर्तन का एक नारा है
ये अंधकार कुछ पल का है फिर सब कुछ तुम्हारा है
सेवक का अख़री मुजरा स्वीकार कीजिए राजे
जा रहे हैं आपके शत्रुओं के चोट पर लगाने
हमने कहा था हम नमक है महाराज
तुम नमक नहीं चंदन हो कवि तुम तिलक हमारे माते का
कविता ही खत्म हुई राजे अंत में जीत आपकी हुई
जनमन्स के भूप रहोगे चरम चमकती धूप रहोगे
प्रसन्न रहे माता जगदंबा ओ छत्रपति
ओ साहचरी ओ संभा
हम नमक है महाराज, हम नमक है
तुम नमक नहीं चंदन हो कवि तुम तिलक हमारे माते का



नयन वर्मा
द्वितीय वर्ष
परमाणु एवं दूरसंचार अभियांत्रिकी

पर्यावरण संरक्षण: हमारी जिम्मेदारी

परिचय

आज का मानव जीवन कई प्रकार की सुविधाओं से सुसज्जित है। विज्ञान और प्रौद्योगिकी की मदद से हम निरंतर विकास की दिशा में बढ़ रहे हैं, लेकिन इसके साथ-साथ एक गंभीर समस्या भी उत्पन्न हो रही है, और वह है पर्यावरण का संकट। जल, वायु, मृदा, वन, प्राणि, आदि सभी पर्यावरणीय तत्व एक दूसरे से जुड़े हुए हैं। जब इन तत्वों में किसी एक का संतुलन बिगड़ता है, तो सम्पूर्ण पर्यावरण पर असर पड़ता है। अत: पर्यावरण का संरक्षण हमारे लिए एक महत्वपूर्ण जिम्मेदारी बन गई है।

पर्यावरण के घटक और उनका महत्व

हमारा पर्यावरण चार प्रमुख घटकों से मिलकर बना है – वायु, जल, मृदा और जीव-जन्तु। इन सभी का हमारे जीवन में अत्यधिक महत्व है।

1. वायु – वायु हमारे श्वसन क्रिया के लिए आवश्यक है। इसके बिना जीवन की कल्पना भी नहीं की जा सकती।
2. जल – जल जीवन का आधार है। यह न केवल पीने के लिए जरूरी है, बल्कि कृषि, उद्योग, परिवहन, और जन जीवन के लिए भी आवश्यक है।
3. मृदा – मृदा का महत्व कृषि और वनस्पतियों के लिए अत्यधिक है। यह भूमि जीवन के लिए महत्वपूर्ण संसाधन प्रदान करती है।
4. जीव-जंतु – जीव-जंतु प्राकृतिक संतुलन बनाए रखते हैं। इनका संरक्षण प्राकृतिक पारिस्थितिकी तंत्र के लिए जरूरी है।

पर्यावरणीय संकट

5. आज के समय में, औद्योगिकीकरण, शहरीकरण, वनों की अंधाधुंध कटाई, प्रदूषण, जलवायु परिवर्तन और अन्य कारणों से पर्यावरण में भारी परिवर्तन हो रहा है। वायु प्रदूषण, जल प्रदूषण, मृदा का बंजर होना, वन्य जीवन का संकट, ग्लोबल वार्मिंग, और ओजोन परत की कमी जैसी समस्याएँ गंभीर होती जा रही हैं।
6. वायु प्रदूषण – बढ़ती कारखानों की संख्या, वाहनों से निकलने वाली गैसें, कृषि कार्यों से उत्पन्न होने वाले रसायन वायु में प्रदूषण का कारण बन रहे हैं।
7. जल प्रदूषण – उद्योगों से निकलने वाले रसायन, अपशिष्ट जल, और घरेलू कचरा नदियों और झीलों में डालने से जल प्रदूषण बढ़ रहा है।
8. मृदा प्रदूषण – प्लास्टिक, रासायनिक उर्वरकों का अत्यधिक प्रयोग, और औद्योगिकीकरण के कारण मृदा का प्रदूषण बढ़ रहा है।
9. वनों की कटाई – अव्यवस्थित वनस्पति कटाई और शहरीकरण के कारण जंगलों की संख्या घट रही है, जिससे जैव विविधता पर संकट आ रहा है।

पर्यावरण संरक्षण के उपाय

10. वृक्षारोपण – पेड़-पौधे जीवन के लिए अत्यधिक आवश्यक हैं। अधिक से अधिक वृक्षारोपण कर हम पर्यावरण का संरक्षण कर सकते हैं।
11. स्वच्छता अभियान – जल, वायु और मृदा की सफाई के लिए स्वच्छता अभियान चलाने की आवश्यकता है। कूड़े-कचरे को ठीक से निपटाना और प्लास्टिक का प्रयोग कम करना आवश्यक है।
12. जल का संरक्षण – जल की भारी कमी हो रही है। इसलिए, जल का पुनर्चक्रण और संवर्धन आवश्यक है।
13. ऊर्जा की बचत – ऊर्जा की बचत करने के लिए ऊर्जा-efficient उपकरणों का उपयोग करें और नवीकरणीय ऊर्जा स्रोतों का इस्तेमाल बढ़ाएं।

14. नैतिक शिक्षा – बच्चों और युवाओं में पर्यावरण संरक्षण के प्रति जागरूकता फैलानी चाहिए, ताकि वे भविष्य में इस दिशा में कदम उठा सकें।

समाज की भूमिका

पर्यावरण संरक्षण केवल सरकार या संगठनों का काम नहीं है, बल्कि यह हम सभी का कर्तव्य है। हर व्यक्ति को इस दिशा में जिम्मेदारी लेनी चाहिए और छोटे-छोटे कदम उठाकर पर्यावरण को बचाने में अपना योगदान देना चाहिए। घरों में कचरे का सही निस्तारण, पानी का सही इस्तेमाल, और पेड़-पौधों का संरक्षण हमारे रोजमर्रा के जीवन का हिस्सा बनना चाहिए।

निष्कर्ष

आज अगर हमें पृथ्वी पर जीवन की गुणवत्ता को बनाए रखना है, तो पर्यावरण संरक्षण हमारी प्राथमिकता होनी चाहिए। यह केवल हमारी जिम्मेदारी नहीं, बल्कि आने वाली पीढ़ियों के लिए भी आवश्यक है। अगर हम अभी से पर्यावरण के प्रति जागरूक हो जाएं और सार्थक कदम उठाएं, तो हम एक स्वच्छ और हरा-भरा भविष्य सुनिश्चित कर सकते हैं। सभी को मिलकर यह संकल्प लेना होगा कि हम अपने पर्यावरण को बचाने के लिए हर संभव प्रयास करेंगे, क्योंकि "पर्यावरण संरक्षण है जीवन का संरक्षण।"

प्रणव जाधव
द्वितीय वर्ष
परमाणु एवं दूरसंचार अभियांत्रिकी

प्रकृति का गीत

नीले अम्बर की छाया में,
हरियाली की माया में।
फूलों की मुस्कान बसी,
कोयल की मीठी छाया में॥
नदियाँ गाती मधुर तराने,
पर्वत सुनते मन के गाने।
चाँद-सूरज की चाल निराली,
जगमग करती उनकी लाली॥
पत्तों की सरसराहट में,
हवाओं की रुनझुन बातों में।
हर श्वास में जीवन बसी है,
प्रकृति ही तो सच्ची मसीह है॥

मत काटो इन जंगलों को,
मत बाँधो इन पंछियों को।
संभालो इस धरा को प्यारे,
वरना फिर पछताओगे सारे॥
प्रकृति है माँ, उसे न सताओ,
प्रेम से उसको अपना बनाओ।
जहाँ हरियाली होगी छायी,
वहीं सच्ची खुशियाँ आयी॥

रुचिता गांधी
द्वितीय वर्ष
संगणक विज्ञान अभियांत्रिकी

मेरे पापा

मेरे पापा, मेरे जीवन का रूप,
उनकी सूरत में छुपा हर सुख और धूप।
उनकी मुस्कान में बसी एक दुनिया,
जो कभी भी ना हो, वो मेरी है दुआ।

रातों में जब मैं डरी-डरी सोती,
पापा का प्यार मुझे चैन से मोती।
उनके कदमों के निशान हैं राहों पर,
उनके बिना मैं खोई-खोई हूँ हर बार।

सपने मेरे छोटे हों या बड़े,
पापा हर कदम साथ मेरे खड़े।
मेरे लिए वह एक दीवार जैसे,
जो हर मुश्किल से मुझे बचाए सजे।

उनकी बाहों में मिली सुरक्षा,
जो कभी भी ना हो दूर, न हो चुपचाप।
मेरे पापा की हर बात, हर बात में प्यार,
जो भी कहें, उनका हर शब्द हो बहार।

जब कभी मुझसे कुछ ना हो पाता,
पापा कहते हैं, "कुछ भी हो, हार मत माना।"
उनकी यह उम्मीदें, वह साहस की बात,
मुझे बनाती है और भी मजबूत, है सच्ची बात।

पापा का प्यार है जैसे कोई गीत,
जो हर दिल में गूंजे, साथ ले जाए जीत।
उनकी मेहनत और संघर्ष की एक कहानी,
जो हर पल मेरे दिल में बसी, और फिर से निभानी।

जब भी जीवन ने कहा, "तुम नहीं कर सकती,"
पापा ने कहा, "तुम हो मेरे लिए सबसे बड़ी,"
उनकी आशीर्वाद से मिलता है रास्ता,
मेरे पापा का प्यार है सबसे खास, सबसे मस्त।

मैं उन पर गर्व करती हूँ, हर दिन हर घड़ी,
मेरे पापा की छांव में सारा जहाँ है सदी।
उनके बिना मेरी दुनिया अंधेरे में खो जाए,
मेरे पापा की धड़कन ही मेरी हर सास में समाए।

उनके संघर्ष से मुझे मिली है राह,
पापा के बिना यह दुनिया हो जैसे एक खाली महल का बाह।
मेरे पापा, मेरी ताकत, मेरी शान,
उनकी छांव में मैं बढ़ती जाऊं बिना कोई ध्यान।

मेरे पापा, मेरी प्रेणा, मेरी दुनिया,
आप ही हैं मेरे जीवन की असली धुनिया।
आपका प्यार है मेरा अनमोल रत्न,
मेरे पापा, आप ही हो मेरे जीवन के सच्चे दायित्व।

अपूर्वा पाटिल
चौथे वर्ष
संगणक विज्ञान अभियांत्रिकी

खेल का महत्व

खेलों का मानव जीवन में अत्यधिक महत्व है। यह केवल मनोरंजन का साधन नहीं, बल्कि शारीरिक और मानसिक विकास का भी एक अहम हिस्सा है। खेलों के माध्यम से हम अपनी शारीरिक क्षमता, मानसिक संतुलन, टीमवर्क और अनुशासन को विकसित कर सकते हैं। यह न केवल शारीरिक स्वास्थ्य को बढ़ावा देते हैं, बल्कि आत्मविश्वास, दृढ़ संकल्प और मानसिक ताजगी को भी प्रोत्साहित करते हैं। समाज में सकारात्मक बदलाव लाने और जीवन में सफलता प्राप्त करने के लिए खेलों का महत्व अत्यधिक है।

शारीरिक स्वास्थ्य के लिए लाभकारी

खेलों का सबसे बड़ा लाभ शारीरिक स्वास्थ्य में होता है। नियमित रूप से खेल कूद करने से शरीर में ताकत आती है और शरीर की संरचना में सुधार होता है। यह हृदय, फेफड़े और अन्य अंगों को स्वस्थ रखने में मदद करता है। खेलों से शरीर में रक्त संचार बेहतर होता है और मांसपेशियाँ मजबूत होती हैं। इसके अलावा, खेलों में भाग लेने से मोटापे जैसी समस्याएँ भी कम होती हैं और शरीर में चुस्ती बनी रहती है।

मानसिक विकास और तनाव मुक्ति

खेल मानसिक विकास में भी महत्वपूर्ण भूमिका निभाते हैं। खेलों के दौरान व्यक्ति को समस्याओं का समाधान ढूँढने की क्षमता विकसित होती है। वे अपने फैसलों के बारे में सोचते हैं और अपनी रणनीति को बेहतर बनाने के लिए मानसिक मेहनत करते हैं। खेल मानसिक तनाव और चिंता को भी कम करने में मदद करते हैं। शारीरिक गतिविधियाँ और खेलों से दिमाग में सुकून मिलता है, जिससे तनाव कम होता है और व्यक्ति मानसिक रूप से स्वस्थ रहता है।

टीमवर्क और नेतृत्व क्षमता

खेलों में टीम के साथ खेलना व्यक्ति को टीमवर्क की अहमियत समझाता है। टीम के साथ मिलकर काम करने से हम दूसरों के विचारों और कार्यशैली को समझते हैं। टीम के अंदर काम करने से आपसी सहयोग और सामूहिक प्रयास से समस्याओं का समाधान ढूंढना सिखने को मिलता है। इसके अलावा, खेलों में नेतृत्व क्षमता भी विकसित होती है। जो खिलाड़ी टीम का नेतृत्व करते हैं, उन्हें निर्णय लेने, समूह को प्रोत्साहित करने और जिम्मेदारी लेने का अवसर मिलता है, जो जीवन के अन्य क्षेत्रों में भी उपयोगी साबित होता है।

अनुशासन और समय प्रबंधन

खेलों के दौरान अनुशासन का पालन अनिवार्य होता है। खिलाड़ी को नियमों का पालन करना होता है, अपनी सीमा को जानना होता है और समय का सही प्रबंधन करना होता है। यह आदतें जीवन में अनुशासन और समय प्रबंधन को बेहतर बनाती हैं। खेलों के दौरान एक निर्धारित समय में अभ्यास, खेल और आराम को संतुलित करना पड़ता है, जो व्यक्ति को जीवन के अन्य पहलुओं में भी समय प्रबंधन में मदद करता है।

आत्मविश्वास और प्रतिस्पर्धा की भावना

खेलों में सफलता और असफलता दोनों ही महत्वपूर्ण पहलू होते हैं। जब खिलाड़ी जीतता है तो उसका आत्मविश्वास बढ़ता है और जब हारता है, तो वह उससे सीखता है। खेलों से हार-जीत के महत्व को समझते हुए खिलाड़ी अपने आत्मविश्वास को बढ़ाता है और आने वाली चुनौतियों का सामना करने के लिए तैयार रहता है। इसके अलावा, खेलों में प्रतिस्पर्धा की भावना भी विकसित होती है। यह व्यक्ति को अपने लक्ष्यों की ओर प्रेरित करती है और उसे बेहतर करने की दिशा में प्रेरणा देती है।

समाजिक और सांस्कृतिक विकास

खेलों का एक महत्वपूर्ण पहलू यह है कि वे समाज में एकजुटता और सांस्कृतिक विकास को बढ़ावा देते हैं। खेलों में भाग लेने से लोग विभिन्न जाति, धर्म और भाषा के भेदभाव को भूलकर एक मंच पर आते हैं। यह विभिन्न संस्कृतियों और समुदायों के बीच एकता और समझ को बढ़ाता है। खेलों में प्रतिस्पर्धा और सहयोग दोनों का सामंजस्य होता है, जो समाज के सांस्कृतिक ताने-बाने को मजबूत करता है।

हर्ष जाधव
द्वितीय वर्ष
परमाणु एवं दूरसंचार अभियांत्रिकी

बरसात की बूंदें

बरसात की पहली जो बूँद गिरी,
धरती ने जैसे साँस भरी।
माटी की खुशबू उड़ चली,
मन की दुनिया भीग चली।

बूँदें नाचें छत की छाँव,
हर एक बूँद में जीवन की थाह।
छम-छम करती आई घटा,
हर दिल में भर गई नई आशा।

खिड़की पर बैठा देखूं मैं,
पानी में भीगती गलियों को।
पेड़ों की शाखें झूम रही,
बरसात संजीवनी बन चली।

बच्चे कागज़ की नाव लिए,
बहते पानी से खेल करें।
हर हँसी में लहरें उठतीं,
हर मुस्कान में बारिश झरें।

कभी शोर सी लगे ये बूँदें,
कभी सन्नाटे में संगीत सी।
कभी रुदन, कभी प्रेम कथा,
हर भाव से जुड़ी रीत सी।

ये बूँदें हैं कोई गीत पुराना,
या माँ की लोरी सा सुकून।
तन-मन सब कुछ भीग उठे,
बरसात बने एक मधुर जुनून।

सोनम वायकोस
द्वितीय वर्ष
माहिती व तंत्रज्ञान अभियांत्रिकी

वक़्त थम जाए एक पल...

किसी ने सही कहा था,
जाते नहीं हैं रिश्ते पुराने
किसी नए के आ जाने से

ज़िंदगी के सफ़र का खूबसूरत फ़साना
सुनती हूँ चलो इन बीते 4 सालों का
यादगार फ़िल्मनामा

नया सा वो शहर, नई वह जगह
सब कुछ अलग और यह बहती हवा
घर से दूर, सपनों के नज़दीक
अपनों से बिछड़ कर खुद से करीब
आसान नहीं होता सब कुछ अपनाना
मिले कुछ दोस्त तो लगा मिल गया ठिकाना

यारों की मस्ती और यादों की बस्ती
हमारी छोटी सी दुनिया वह हॉस्टल का प्यारा सा कमरा
एक अनजान परिंदा आया
कुछ अजनबियों के बीच जिन्हें अपना बना बैठा
कुछ खट्टी मीठी यादों का घोंसला बना बैठा

हर राह देखी तो न जाने कब से इस दिन
के आगे के सपनों की राह पाने के लिए
हर एक लम्हा इन आँखों के आगे आया है
लगता ही नहीं कि
अलविदा कहने का वक्त आया है

वह दिन बहुत याद आएँगे
वह हसीन पल अब किसके साथ जाएँगे
वह बिना मतलब की लड़ाई
वह देखते ही 'तेरी भाभी आई'
और एक ने चार की अटेंडेंस लगाई
या कॉलेज के फेस्ट की फिल्म बनाई,
जिन बातों को लेकर झगड़ा आज तक
अब उसी पर हँसी आया करेगी

आज भी याद है कॉलेज का वह पहला साल,
पहला पेपर, पहला सेमेस्टर, पहला दिन और पहला... Let it be

सोचो एक पल को अगर वक्त थम जाए
बेमक़सद हो तुम्हारे सारे ग़म जाएं
तुम एक पल को उसे गले लगाओ ना
तुम्हारा दोस्त, तुम्हारा दुश्मन जो भी है,
सब लड़ाइयाँ भुला के उसे मनाओगे ना

सोचो एक पल को अगर वक्त थम जाए
डूब जाओगे ना भावनाओं में ऐसे
जैसे कभी डूबे थे किसी की आँखों में जैसे

तो आज, अभी इसी वक्त
Look at your left, look at your right
soak it all in with one last sight
Say I am sorry and say thank you
forget the tension and the heat
क्योंकि for all we know,
next we see each other
would be on alumni meet

दिल थाम के बैठना ज़रा
क्योंकि है यह आख़िरी पड़ाव
एक वक्त था जब अजनबी थे यहाँ
एक वक्त है जब अलविदा कहते-कहते
यादों को समेट रहे हैं

जब आए थे तो पता न था
इतनी जल्दी यह दिन आएगा
लगता है जैसे कल की ही तो बात थी
पर यह सफ़र अब यही थम जाएगा
कॉलेज का सफ़र याद बहुत आएगा

अब जब हो गई मोहब्बत इस वजूद से
तो दरवाज़ा क्यों धक्का लगने लगे है

तो इसी लिए भुला देना पुराने गिले शिकवे
तुम में से बाकियों को मैंने सताया है
बात नहीं मानी से लेकर

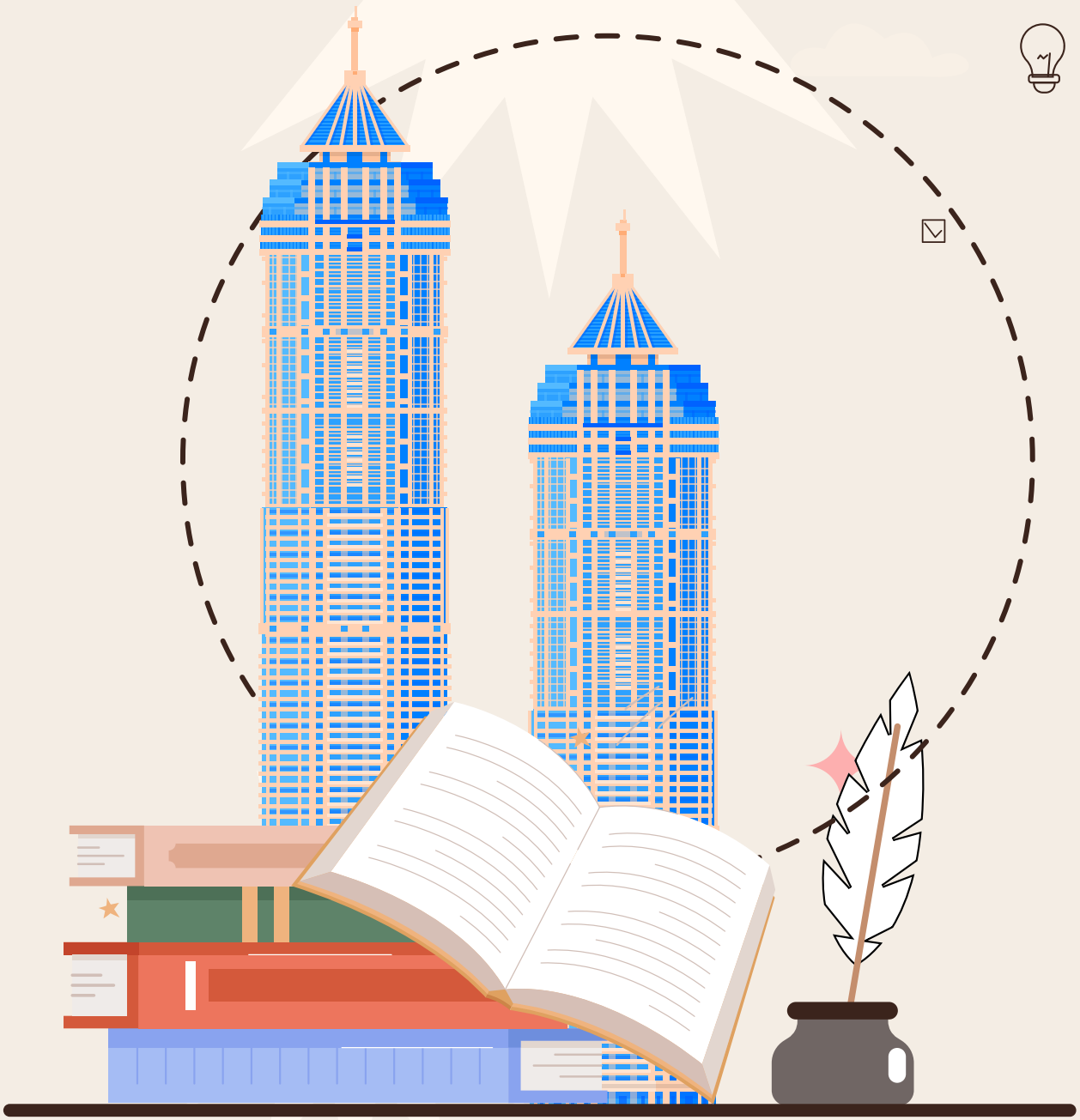
फॉलो-अनफॉलो के सफ़र में
बाकियों को जोड़ा घटाया है

क्या है ना हमने जो आज तक सिर्फ देखा था
आज उसे मुक़ाम पर हमने खुद को पाया है
यहाँ तक आने के सफ़र ने हमें
बहुत कुछ सिखाया है

Online क्लासेस, एग्ज़ाम्स, इवेंट्स
यह सब कुछ अब पीछे छूट जाएगा
अब तक क्लास के lessons पढ़ते थे
अब ज़िंदगी के lessons पढ़ेंगे
अब वक्त है अपने सपनों को सच में जानने का
उसके पाबंद होकर मुक़ाम हासिल करने का

अदिति देवघरे
अंतिम वर्ष
यांत्रिक अभियांत्रिकी

ENGLISH SECTION



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Shall Meet

I wonder if we ever

think about each other at the same time

If in the quiet of the night, our thoughts align

Or if you even think about me at all

But I feed my delusions gazing at the moon Wishing that you'd share this nocturnal call

And when it's a cloudy dark night I press play on the playlist of your memories

Shut my eyes and go to sleep

So that at least in my dreams

You and I, in our reverie, shall meet!

Aditya Chavan
Final Year
Information Technology

Fortune Follows The Risk Takers

Human Beings can change their lives by altering their attitudes of mind .Risk - takers aren't born fearless they develop the mindset to move forward. Our attitude shapes challenges how we approach. Success is a state of mind if we want to become success,start thinking of yourself as a success. For achieving the goals and realising potential, we must be willing to be uncomfortable. Life is a risk, our each next breath is a chance to succeed. Risk taking is a game which everyone has to play. Because running away from the risks and fears is a losing strategy. Change the attitude for facing the challenges in life,if we change our attitude we can change everything.

The quote " Failure is only the opportunity to more intelligently begin again." attributed to Henery Ford .It reflects that every failure is the steeping stone towards success.we can't build the future with yesterday's thinking and failures.we have to hard work on it .Afterall Risk is not as a Threat,but as a gateway to innovation.Greatness rewards to those who takes the step first.The innovation starts where we end our comfort zone and ready to take the risks and challenges in life .The greatest mistake a person can make is to be afraid of making one ,but when we change our attitude sparks fly in the universe.In this vast world which is filled with endless possibilities remember that; it is the risk takers who leaves their mark.Fortune follows those who is ready to " chase it."

Shruti Mandave
First Year
Electronics & Power Engineering

Proxy War

The hierarchal ranks of national issues are always being bagged by Jammu and Kashmir taking top spot.

Unlike the perception that it is all about the military and border/territorial security, Jammu and Kashmir is also as much about India's emotional security, because it is oldest security issue's still alive

History

In legal terms the instrument of Accession being signed on 26 October 1947 by Maharaja Hari Singh is the basis of the Indias right to the territories of the entire state. Which is, however, being emphatically rejected by Pakistan

Fast-forwarded after the unsuccessful attempts in 1947, 1965 and1971 Pakistan realized however it could never meet the military capabilities that of India.

Later the nuclear test in 1974 at Pokhran, it became very clear that the capabilities are far reaching than ever. So to avenge the war also the power disbalance in the South-Asia and also the shameful defeat in 1971 after the unceremonious dismissal of Zulfiqar Ali Bhutto the command of Pakistan fell under Pak Army led by Zial ul Haq. Whose approach for retribution for defeat in 71 was a Proxy war hence adopting the cunning policy of "Death by thousand Cuts".

Zia's Cauldron

1.The Iranian revolution of 1979 eventually de-stabilized the power dynamics in middle east bringing Saudi Arabia and Pakistan closer under Islamic identity reforging the Wahabism.

2.The USSR invasion in Afghanistan made USA to side with Pakistan providing security inputs, monetary funds and modern weapons to counter Soviet influence in the region. This eventually led to the formation of Pakistan's Inter-Services Intelligence (ISI)

3. The proactive involvement in the Punjab for the revenge of Bangladesh by creating a new independent Punjab

All of this led to an Army, or a group of mercenaries experienced and specialized in the ways of unconventional warfare and cumulation of data on guerrilla warfare and proxy war. Which RAW and Indian intelligence agencies lack till date. Now the only thing to do was wait for the perfect moment and it came in late 1989 amidst of India's internal leadership going through a major shift.

Attack and Counter

Now let's understand everything chronologically

1989: Symbolizing mass resistance and street turbulence, exodus of Kashmiri Pandits forever changing the social fabric of the State.

1991-92: Enhanced induction of foreign terrorist freed from Afghanistan to be used against a Proxy war

2019: Pulwama attack was carried out making security forces retaliate more actively than ever and which was followed by the abrogation of the infamous Art. 370 granting full autonomy to center for carrying out its policies more diligently.

- In the field of religion and ideology it has already been brought out that the idea of proxy war against India emanates from the understanding that India is a weak state because of its heterogeneity that has not fully achieved integration.
- Kashmir's inclusive Sufi Islamic culture has already been majorly dented by the Wahabi ideology propagated by Saudi Arabia and Pakistan.
- The Shia Muslim comprising of 12 per cent has no separatist ideology at all.

Hal: Solution

a. Intellectual Understanding of J and K's internal conflict: The complexity of this proxy war is barely understood by the managers of conflict. Dire need is felt to place government officials, politicians, intellectuals and security officials on the common footing.
b. Changing the social fabric of Kashmir and altering the percentage of the trouble making communities by granting loans and initiatives to the pupils of other state to settle there.
c. Educating the youth not in the religious institutions but in state-sponsored education facilities like KV'S and APS's present in the area.
d. The silent and underdeveloped areas of Jammu and Ladakh can be separated as a different UT's so as the youth and the residents of the mentioned area should no be held back by the problem making Kashmir.
e. Another Solution being robust is by being aggressive with Pakistan by calling out the terror funding and making their economy cripple by limiting flow of natural resources to the Pak, to ensure that they should lack instrument to fund cross border terrorism.
f. NPT must be key to the diplomatic solution if in case the things escalate towards war.

"The soldier, above all other people, prays for peace, for he must suffer and bear the deepest wounds and scars of war."

-General Douglas MacArthur

Jayesh Patil
Second Year
Computer Science & Engineering

Terror Amid Tariffs: The Strategic Disruption of India's Rise

Introduction

On April 22, 2025, as global headlines focused on the intensifying tariff war between the United States and China, a different kind of battle unfolded in the pristine valley of Pahalgam, Jammu and Kashmir. A cowardly terrorist ambush claimed the lives of security personnel and civilians, shaking the local community and drawing national grief. But beyond the tragedy lies a deeper strategic narrative—one that exposes the deliberate attempt by hostile actors to destabilize India at a moment when the world is realigning its economic future.

This was not merely a terrorist attack—it was a geopolitical message.

The Attack and Administrative Response

At approximately 4:15 PM, militants launched an ambush on a convoy comprising security forces and administrative vehicles. Armed with high-caliber weapons and IEDs, they triggered an intense firefight that lasted nearly two hours. The incident led to the death of five security personnel and two civilians, with many others wounded.

As part of the administrative command structure, the forces immediately activated crisis response protocols. Medical teams, quick response forces, and intelligence officers were deployed. Within hours, they had secured the area, begun investigations, and extended support to affected families. The resilience shown by local communities and security personnel in the face of such adversity remains deeply commendable.

China, the U.S., and the Manufacturing Pivot to India

The attack in Pahalgam unfolded against the backdrop of an intensifying trade conflict between the United States and China. As the two largest economies clashed over tariffs, intellectual property disputes, and global supply chain control, multinational corporations began looking beyond China for more reliable manufacturing partners. India—bolstered by democratic governance, policy reforms, and a youthful workforce—has rapidly emerged as the most attractive alternative. This realignment in global production threatened China's long-standing dominance in the industrial sector and challenged Pakistan's leverage in regional geopolitics. To both, India's rising stature represents a strategic threat. In this context, the Pahalgam terror attack appears not just as an act of local disruption but a calculated attempt to project India as unstable, thereby undermining investor confidence and deterring international partnerships. It is a textbook example of how economic anxieties can manifest as asymmetric aggression on the ground.

Weaponized Instability: A Coordinated Strategy?

Preliminary intelligence suggests that the attack was well-planned, with advanced logistics and foreign-made weaponry. The involvement of Pakistan-backed terror groups is suspected, but there are also subtle indicators pointing toward Chinese facilitation—whether in planning, support, or intent.

By reigniting violence in Kashmir, these adversaries aim to:

- Discredit India's internal security in the eyes of global investors.
- Undermine New Delhi's diplomatic efforts to project itself as a stable and dependable partner.
- Overburden India's defense apparatus while it seeks to balance multiple regional and global interests.

In essence, this is **as much a psychological and economic war as it is a physical one.**

Strategic Response and Policy Reflections

In the role, I see this incident as a wake-up call. We must recognize that terrorism today operates in sync with international strategic interests, especially when nations use proxy warfare to achieve foreign policy objectives.

India's response must be multi-dimensional:

1. **Security Strengthening:** Enhance counter-insurgency operations, secure borders more aggressively, and disrupt terror financing networks.
2. **Intelligence Modernization:** Leverage AI and data analytics for predictive threat modeling.
3. **Economic Signaling:** Reassure international investors through coordinated messaging and rapid restoration of normalcy in affected regions.
4. **Diplomatic Exposure:** Bring international attention to the nexus between state-sponsored terrorism and economic sabotage.

Conclusion

The Pahalgam attack was not just an assault on our people—it was a calculated attempt to derail India's rise in a shifting world order. Our enemies know that India is not just a regional power anymore; it is a global contender. By targeting our internal peace, they hope to weaken our global standing.

Atharva Tayade
Second Year
Electronics and Telecommunciation Engineering

THE MAIN CHARACTER

The world is round. I'm not talking about its shape and size at all. It's about the life. Each and every person living in the world do have certain different stories, things, circumstances going on. Some might give it a look and some might not. Whatever happens with us is a literal story for some reason.

There is a saying that 'Whatever happens, happens for a reason', and the reasons are always great; a great good news, a great teaching, a great feeling. And such happening instances gives us only **'The Main Character Vibes'**. Whatever happening in our day-to-day life leads us to wandering over our role in it. The main character of our own life, this sounds somewhat self-oriented but bold for ourselves. But later when we would think about others, everyone is leading his/her own life and thus is the main character. Any achievement, any loss, any success, anything is about what we always wander about.

Do you remember about the childhood times, when we used to dream about saving our city in the night mostly turning into a batman or a batswoman? Or turning into a princess and waving to the public? Or or there could be a lot of dreams but currently what I'm talking about is our current life state. Our childhood dreams might be still living somewhere in our heart. At the current state of our busy life, it's hard to give time to such things. But still we do are living our story being the LEAD.

Main characters are never perfect. They mess up, cry, grow, love, lose, and learn. What makes them compelling is their resilience and self-awareness. By assuming this role in your own life, you stop waiting for permission to pursue dreams or for life to "start." You take the lead role, even when the script is unclear. Every great story has a character arc. So does yours. You might be in your awkward phase or your redemption arc, but every phase adds depth to your journey. Being the main character doesn't mean you're always confident—it means you're brave enough to grow through your fears.

Similarly, being your story's protagonist doesn't mean others aren't living theirs. Recognize that every person you meet is starring in their own movie or maybe a web-series too. Have you ever given time in observing your life? If you haven't, then do observe. It would tell you that it isn't less than any movie or web series. All the experiences that you had faced with your family and friends would teach you and tells you a lot about your series.

Life isn't a rehearsal—it's the real thing. Whether you're walking through chaos, heartbreak, or joy, you're already on the stage. Own your story, speak your truth, and remember: you're not just existing in the world, you're creating one. Be the main character—not because you're better than others, but because your life is worth living with full attention, passion, and purpose.

Purva Jaisingpure
First Year
Electronics & Power Engineering

WHY ME ?

Imagine a young star gazing up the vast expanse of the cosmos. Surrounded by countless celestial bodies, each with it's own unique brilliance the star might wonder, "Why Me? Why am I so small and insignificant". But then, it remembers the journey it took to form, the countless particles that came together to creat it's light. It realised that ever star,no matter it's size, has a purpose in the grand cosmic tapestry. Just like that star we too have a unique place in the universe.Insted of dwelling on the unfairness of life, let's change that energy into finding solution. Every problem is an opportunity for growth.

"Every Set Back Is A Setup For A Come Back"

By embracing challenge's as stepping stones rather than stumbling block's we have the way for a more resilient and fulfilling life. Remember that clock of destiny tick's for everyone. We can not control the challenges that come our way, but we can control how we respond. So, Let's replace the victim mentality with a victory mindset. Let's ask "Why Not Me" and embark on a journey of self-discovery, resilience and triumph.

The world is waiting for your brilliance. Don't let the shadow of "Why Me"? Rather than "Why Not Me".

Vinayak Surose
Second Year
Electronics and Telecommunciation Engineering

Asterion: The World's First AI-Powered Boss Monster Built with Nvidia

The End of Predictable Boss Fights

Traditionally, boss monsters in video games have been designed around scripted patterns. No matter how many times a player fought the same boss, the patterns remained fixed: the same attacks, the same sequences, and the same predictable outcomes. For skilled players, this often meant that the thrill faded once the puzzle was solved.

Asterion fundamentally changes this.

Unlike conventional bosses that rigidly follow prewritten routines, Asterion is powered by Nvidia's advanced AI technologies to adapt dynamically to players in real-time. Whether you are an aggressive player who rushes headlong into battle or a cautious tactician who keeps their distance, Asterion learns, adjusts, and counters in ways that feel fluid, organic, and surprisingly human.

Inside Asterion's AI Core

At the heart of Asterion lies cutting-edge AI built using Nvidia's deep learning and reinforcement learning frameworks.

Real-Time Adaptation

Asterion continuously monitors player actions — observing attack patterns, defensive strategies, movement habits, and even decision-making tendencies. Using this data, it can alter its tactics on the fly to exploit weaknesses or challenge predictable behaviors.

Neural Network Decision Making

Instead of relying on hard-coded rules, Asterion uses neural networks that allow it to "decide" how best to react to complex, unpredictable player strategies. This ensures that each encounter feels fresh and forces players to stay on their toes.

Reinforcement Learning for Continuous Growth

Reinforcement learning enables Asterion to improve its skills based on the outcomes of previous battles. Every victory or defeat teaches the AI how to refine its approach, making it a continuously evolving adversary.

Why Asterion Matters

The development of Asterion marks a pivotal moment in gaming for several reasons:

Unmatched Replayability

With no two battles ever playing out the same way, players can enjoy repeated encounters without falling into monotony. The AI's evolving strategies ensure a constant sense of challenge and excitement.

A New Benchmark for AI in Games

Asterion showcases the potential for AI-driven characters not just in boss fights but in entire game ecosystems — from NPCs that can learn from players to dynamic worlds that react intelligently to player choices.

Enhanced Training for Esports and Competitive Play

Asterion's human-like unpredictability could serve as an ideal training ground for competitive players looking to hone their skills against a formidable, adaptive opponent.

Powered by Nvidia's Cutting-Edge Tech

Nvidia's involvement brings immense computational power and AI expertise to Asterion. Leveraging Nvidia GPUs, CUDA cores, and the Nvidia AI SDKs, the project takes advantage of real-time inference and advanced physics rendering. This ensures that Asterion is not only smart but also visually fluid, responsive, and believable — a perfect blend of intelligence and immersion.

Devesh Pawar
Third Year
Information Technology

The Power of Reading in the Digital Age

In today's world, everything seems to revolve around screens. Whether it's phones, laptops, or tablets, we're constantly online. From the moment we open our eyes in the morning, we start scrolling through notifications, memes, news, reels, and so much more. It's like we live inside the internet now. But somewhere in all this chaos, one beautiful habit has slowly started disappearing —reading.

Not the kind of reading we're forced to do for exams or assignments, but the kind where we pick up a book just because we feel like it. Where we get lost in a story, learn something new, or feel connected to people and places we've never even seen. In a world that moves so fast and never stops buzzing, reading is like hitting the pause button. It gives us a break, a moment of peace, and most importantly, a way to connect with ourselves.

People often say that reading is boring or too slow, especially compared to videos or short-form content. But that's exactly why it's so powerful. When you read, you actually have to imagine things. You picture the characters in your head, feel their emotions, and follow their journey at your own pace. No flashy visuals or background music—just your imagination doing all the work. That's something we don't get much of anymore. We've gotten used to being spoon-fed entertainment. Reading makes us work a little, but the reward is so much greater.

Also, reading helps in more ways than we notice. It improves vocabulary, writing skills, concentration, and even memory. When you read regularly, you start thinking more clearly and expressing yourself better. You might not even realize it at first, but it shows in small things—how you answer questions in class, how you frame sentences while texting, or how confidently you speak. It trains your brain without you even realizing it.

Another reason why reading still matters is because of how it builds empathy. When we read about other people's lives—whether fictional or real—we start understanding different points of view. We learn about different cultures, struggles, dreams, and emotions. This makes us more open-minded and less quick to judge others. In a time when people are constantly arguing online and fighting over opinions, being able to understand and respect different perspectives is a really valuable skill.

Reading also has this incredible ability to calm us down. After a long and stressful day, diving into a book can feel like therapy. It's just you and the story, no pressure, no deadlines. Studies even show that reading can reduce stress more effectively than other activities like listening to music or going for a walk. It lowers your heart rate, relaxes your muscles, and clears your mind. Personally, there have been days when I felt completely overwhelmed, and reading for even 20 minutes helped me feel so much better.

Of course, it's not easy to make time for reading nowadays. We're all busy juggling classes, assignments, part-time jobs, and social lives. But reading doesn't have to be a big task. It can start small—reading a few pages before bed, carrying a book in your bag, or switching from social media to an eBook for a few minutes. Audiobooks are also a great option, especially if you're someone who's always on the move. You can listen while commuting, working out, or even while doing chores.

Technology isn't the enemy here. In fact, it has made reading more accessible than ever before. We don't need to go to a library or buy expensive books—we can find thousands of books online, many for free. Apps like Kindle or Audible let us carry an entire library in our pockets. It's just about choosing to use this technology for something meaningful instead of wasting it on endless scrolling.

Reading also isn't limited to big novels or serious literature. It can be anything—magazines, blogs, comics, poetry, or even well-written posts on Instagram. What matters is that you're engaging with words and ideas in a way that makes you think, reflect, or feel something. Reading opens up your world in quiet but powerful ways.

I think one of the most underrated feelings in the world is finishing a book that you truly enjoyed. There's a sense of accomplishment, but also a kind of sadness that it's over. The characters become part of your life, and the story stays with you long after you've closed the book. That emotional connection is something no reel or video can ever give you. Books don't disappear when the power goes out, they don't crash, and they don't need Wi-Fi. They're always there, waiting for you to pick them up.

To wrap it all up, I truly believe reading is more important now than ever before. In a noisy world full of distractions, reading gives us depth. It helps us think more clearly, feel more deeply, and escape in the best way possible. It might seem like a simple act, but it holds the power to change how we see the world—and ourselves. So if you haven't read anything in a while, maybe it's time to pick up that book you left halfway, or start a new one. You never know, it might just become your favorite escape from the digital world.

Snigdha Ramteke
Second Year
Electronics and Telecommunciation Engineering

Is Our Education System Preparing Us for Real Life?

This is one of those questions we've all thought about at some point—maybe after a stressful exam, maybe while trying to fill out a bank form for the first time, or maybe when we realized we were memorizing facts we'd probably never use again. Is our education system really preparing us for the real world? Or are we just jumping through hoops without knowing why?

Let's start with the basics. Most of us spend around 15–18 years of our life in the education system, from kindergarten to college. That's a huge chunk of time. In that time, we're taught a lot—math, science, languages, history, economics, and more. We're given grades, assigned projects, and tested in every possible way. But despite all this, many of us walk out of school or college feeling completely unprepared for the life ahead.

For example, when was the last time you used trigonometry in daily life? Or remembered the exact details of a historical treaty from centuries ago? Meanwhile, things like doing taxes, understanding insurance, applying for jobs, handling relationships, or managing mental health—things we deal with in real life—are rarely part of the curriculum. It's not that traditional subjects are useless. They do help build thinking skills and a base of knowledge. But what about the practical stuff? That's where the system often feels like it's missing something big.

One of the biggest gaps is life skills education. We're taught how to solve equations but not how to budget our monthly expenses. We learn theories of economics but not how to file income tax. We write essays on environmental problems but don't learn how to sort waste at home. These are real-life tasks, and it's honestly surprising that our schools don't focus more on them. Adulting is hard enough, and going into it clueless just makes it worse.

Then there's the issue of career readiness. Schools are supposed to help us build our future, but most of us are expected to choose a career path at 16 or 17 with very little exposure to the real job world. Sure, we get some career guidance in some schools, but is it enough? Do we get to learn how to create a resume, prepare for interviews, or understand how industries work? Not really. Many students graduate without ever having written a proper email or even knowing how to look for a job that suits their interests and skills. We're told to chase "success," but we're not taught how to define it for ourselves.

Another important point is how the system handles mental health and emotional intelligence. The pressure to score well, stay ahead, and constantly compete can be overwhelming. We're taught how to solve problems on paper, but not how to deal with failure, rejection, or anxiety in real life. Emotional intelligence, empathy, resilience—these are crucial in every part of life, whether it's in relationships, at work, or within ourselves. Yet, there's barely any space in our education system to talk about feelings, stress, or mental well-being. It's like we're expected to be robots who just keep studying, performing, and moving on.

Also, the current system focuses too much on rote learning and marks, and not enough on creativity, curiosity, and problem-solving. Students are often judged by their ability to memorize and reproduce textbook content rather than by how they think, question, or innovate. This creates a fear of failure, discourages risk-taking, and reduces learning to a race for grades. But life doesn't work that way. In real life, asking the right questions is often more important than having all the right answers.

That being said, it's not fair to blame the entire system without recognizing that some positive changes are happening too. New education policies in some countries (including India's NEP 2020) are trying to make learning more flexible and skill-based. There's a growing focus on internships, vocational training, and experiential learning. Some schools and colleges are introducing subjects like financial literacy, communication skills, and emotional well-being. These are steps in the right direction, and they show that there's at least an effort to make education more connected to real life.

But these changes need to happen faster and at a wider scale. It's not just about updating the syllabus—it's about changing the mindset. Education should be about preparing students for life, not just for exams. That means giving equal importance to academics, life skills, values, and mental health. It means encouraging curiosity over conformity, and growth over grades. Teachers should be mentors, not just instructors. Classrooms should be places where we learn how to think, not just what to think.

At the end of the day, real life doesn't come with a syllabus. There are no model answers, no guaranteed results. It's full of challenges, surprises, and lessons that don't fit into a textbook. So yes, while our education system does give us some useful tools, it still falls short in truly preparing us for all that lies ahead.

As students, we can't change the entire system overnight, but we can start by questioning it, talking about it, and demanding better. We can also take charge of our own learning by exploring things outside the classroom—reading about finances, learning to cook, understanding how to manage time and emotions, and figuring out how to be responsible adults.

Anushka Sontakke
Final Year
Information Technology

The Forest's Orchestra

In the hush before the morning light,
The forest wakes in song and flight.
A breeze tiptoes through leafy strings,
As nature tunes its instruments and sings.

The rustling leaves begin the beat,
A rhythm soft, so calm, so sweet.
The woodpecker taps a steady drum,
While bees hum basslines as they come.

Cicadas strike their violin,
A buzzing note from deep within.
The brook that runs with bubbly grace,
Adds gentle keys to nature's bass.

A distant owl with mellow tone,
Sings solos, solemn and alone.
While robins chirp in harmony,
Their voices dance from tree to tree.

The sun peeks through the emerald wall,
Its golden rays conduct it all.
And as the light spills on the ground,
The orchestra swells with rising sound.

No curtain falls, no final bow,
Just timeless music, here and now.
A stage with moss and sky so wide,
Where every note is wild with pride.

So if you find a quiet space,
Within the woods, a sacred place—
Sit still and let your worries cease,
And hear the forest play its piece.

Kalyani Ghatol
Second Year
Computer Science & Engineering

Song of the Soil

Beneath the sky, where roots run deep,
The soil hums secrets it longs to keep.
Not loud like thunder, not sharp like rain,
But soft as whispers through fields of grain.

It sings of seeds tucked in with care,
Of tiny hopes hidden everywhere.
Of farmers' hands, both tired and true,
Of sun-warmed days and morning dew.

Each crack and crease, each patch of dirt,
Tells stories born of toil and hurt.
But also joy—of growth, of green,
Of harvests golden and unseen.

The earth beneath is more than ground,
It breathes, it beats, it makes a sound.
A lullaby for trees that sway,
A chorus when the children play.

It sings through flowers in silent bloom,
Through roots that twist in earthy gloom.
Through barefoot steps and falling leaves,
Through woven nests and summer eves.

The soil remembers all it's known—
The wind's soft touch, the seeds once sown.
It holds the past, yet gives us more,
New life, new dreams, forever in store.

So when you walk where grasses grow,
Bend low and listen soft and slow.
You just might hear, with heart and heel,
The song the soil has kept so real.

Roshani Kukade
Second Year
Electronics and Telecommunciation Engineering

Cultural Diversity and Its Impact on Society

Cultural diversity refers to the presence of different cultural or ethnic groups within a society. As the world becomes increasingly interconnected through globalization, the importance of cultural diversity continues to grow. Today, societies that embrace a wide range of cultural practices and values are often more resilient, innovative, and open to new ideas. This article explores how cultural diversity influences society by enriching communities, promoting economic growth, and shaping social and political landscapes.

One of the most significant benefits of cultural diversity is the enrichment it brings to society through cultural exchange. The blending of different cultures leads to a vibrant social fabric where various traditions, languages, art forms, and cuisines coexist. For instance, festivals like Diwali, Chinese New Year, and Mardi Gras are celebrated in multicultural societies, allowing individuals to experience and appreciate traditions that may be vastly different from their own. Beyond traditions, cultural diversity fosters innovation and creativity, as diverse teams often approach problems from multiple perspectives. This exchange of ideas is particularly evident in business, where companies that prioritize diversity often outperform competitors by leveraging a broader range of experiences and viewpoints. Furthermore, exposure to various cultures helps reduce stereotypes and encourages tolerance. Intercultural dialogue initiatives, for example, promote peace and understanding in regions that have experienced ethnic or religious conflict.

Economically, cultural diversity plays a crucial role in driving growth, especially in globalized cities. Cities like New York, London, and Toronto are prime examples of how multiculturalism attracts global talent, leading to a workforce that fuels innovation and contributes to economic development. Diverse societies also benefit from the expansion of consumer markets. As populations become more ethnically varied, businesses have the opportunity to tailor their products and services to meet the needs of different communities. This shift has led to the growing demand for ethnic foods, fashion, and entertainment, all of which contribute to the economy. However, the presence of diverse cultural backgrounds in the workplace does present challenges, such as communication barriers and potential cultural clashes. These challenges can be addressed through cultural awareness training, fostering an environment where employees can collaborate effectively and appreciate their differences.

Cultural diversity also has profound social and political implications. In democratic societies, embracing cultural diversity strengthens social cohesion, as inclusive policies ensure that all individuals, regardless of their background, have the opportunity to contribute to and benefit from society. Social policies, such as affirmative action and anti-discrimination laws, protect the rights of minorities and promote equality. At the same time, cultural diversity can give rise to conflicts, especially when cultural norms or values clash. Immigrant communities, for example, often face challenges in integrating into new societies while maintaining their cultural identity. This tension can lead to social division, but with thoughtful approaches such as community dialogue and education, these challenges can be mitigated.

Politically, issues related to cultural diversity, such as immigration policies or debates about national identity, often dominate national discourse. The way governments address these issues can significantly impact social harmony and unity.

In the field of education, cultural diversity offers unique opportunities for learning. In classrooms with students from diverse cultural backgrounds, students are exposed to a wide range of perspectives, which enriches the learning experience. This exposure helps develop critical thinking and fosters global citizenship, as students learn to appreciate the complexities of the world. International exchange programs, multicultural curricula, and inclusive teaching practices promote understanding and encourage students to become more empathetic and open-minded. These educational experiences prepare students for a world that is increasingly interconnected and diverse.

However, cultural diversity is not without its challenges. One of the most obvious obstacles is language barriers, which can hinder effective communication and integration. Immigrants and minority groups often face difficulties in accessing services or finding employment due to language differences. Discrimination and xenophobia also pose significant challenges, as cultural differences sometimes fuel prejudice and division. In some cases, nationalist movements or anti-immigrant sentiments arise in response to growing diversity, creating tensions within societies. Additionally, balancing the preservation of cultural traditions with the need for integration into mainstream society is another challenge. Immigrants, especially second-generation ones, often find themselves navigating the delicate balance between honoring their parents' cultural practices and adapting to the dominant culture of their new home.

In conclusion, cultural diversity is a powerful force that shapes modern societies in profound ways. It enriches communities by fostering creativity, driving economic growth, and promoting social tolerance. While challenges such as discrimination, language barriers, and cultural clashes exist, the benefits of diversity far outweigh these obstacles. Societies that embrace and celebrate cultural diversity are more likely to thrive in an increasingly interconnected world. By promoting inclusivity, fostering dialogue, and educating future generations about the value of diversity, we can build a more harmonious and prosperous global society.

Shrusti Raninga
First Year
Computer Science & Engineering

Wings of Freedom

Above the trees, they soar so high,
On winds that dance through endless sky,
With feathers bright, so light, so free,
A symbol of what we long to be.

Their songs, a chorus pure and sweet,
Echo where the earth and heaven meet,
Each note a whisper, soft and clear,
A melody the world can hear.

Through dawn's first light, they take their flight,
Chasing the sun, chasing the night,
Their wings, a canvas, painted wide,
As nature's art, they glide with pride.

They journey far, they find their way,
In skies that stretch from day to day,
A dance of freedom, calm and true,
In skies of gold, in skies of blue.

Oh, how they teach us, bird by bird,
The strength in silence, in every word.
With every flap, they move toward grace,
And show us beauty in every space.

Tanushri Kharche
First Year
Computer Science & Engineering

The Bond of Friendship

In a world where paths are vast and wide,
Where tides of time and fate collide,
There's a bond that's formed without a trace,
A friendship born in a quiet space.

It's not the kind that's built on gold,
Or treasures that the world can hold,
But rather, it's a force unseen,
A thread that weaves through hearts serene.

It starts with laughter, soft and bright,
A fleeting moment in the night,
A shared glance, a knowing smile,
That makes the world feel worth the while.

From that small seed, a tree does grow,
Its roots are deep, its branches low,
Stretching upward, reaching wide,
A friendship blooming, side by side.

In the early days, it feels so new,
Like a sky of stars, so vast and true,
Each conversation, an endless stream,
Where thoughts take flight like birds that dream.

Through joy and sorrow, side by side,
A friend's the one who won't divide,
They stand beside you, come what may,
A constant light, a guide, a way.

When times are tough, and shadows fall,
A friend's the one who hears your call,
They catch your tears before they fall,
And lift you up when you feel small.

In moments of joy, they share your bliss,
In times of doubt, they still exist,
A friend's the hand that reaches out,
In silence, love speaks louder than doubt.

They know your fears, your deepest pain,
The little things you can't explain,
With them, you're whole, with them, you're free,
A bond that's boundless, endlessly.

They never judge, they never flee,
For in their heart, you're meant to be,
They see the parts you try to hide,
And love you more, with arms open wide.

Through all the seasons, time may change,
But friendship's love will never range.
Like rivers flowing through the land,
It flows with ease, a gentle hand.

A friend is there through thick and thin,
To lift you up, to help you win,
And in the moments when you fail,
They'll be the wind to fill your sail.

In quiet walks, in whispered words,
A friend's the song your heart has heard.
In laughter loud or tearful sighs,
A friend's the reason why you rise.

Years may pass, and skies may shift,
But a friendship's strength is still a gift,
For distance, time, or age can't sway,
The bond that keeps the dark at bay.

And when the road is tough to tread,
A friend's the one who clears your head,
With kindness, love, and gentle grace,
They walk beside you, through the race.

Through all the battles, wars inside,
A friend is there, with arms open wide,
To heal the wounds, to mend the heart,
To remind you that you'll never part.

For friendship isn't just a word,
It's an echo that's softly heard,
In every step, in every glance,
It's the heartbeat of every chance.

It's built on trust, on honest talk,
On shared dreams and midnight walks,
On giving, sharing, and believing,
In the quiet moments of receiving.

So here's to friends, both near and far,
Who guide us through life like a shining star,
Whose love is pure, whose hearts are true,
Who make this world a place to renew.

For friendship is the gift we find,
A bond that's rare, a love so kind.
And in their warmth, we see the light,
That makes our lives both pure and bright.

With friends, we conquer every fear,
With friends, we know we're always near,
For through the highs and through the lows,
Friendship's love forever grows.

And when the end of time does call,
A friend's love is the greatest gift of all.
For in their hearts, we always stay,
A friendship that will never fade away.

Snehal Kubade
Final Year
Information Technology

The Importance of Empathy in Leadership

In today's fast-paced, ever-evolving work environment, leadership is not just about making decisions or managing teams; it's about understanding, connecting, and fostering an environment where individuals feel seen, heard, and valued. This is where empathy comes in. Empathy, the ability to understand and share the feelings of others, is a critical skill for effective leadership. It allows leaders to connect with their teams on a deeper level, motivating and guiding them to reach both personal and organizational goals.

Empathy in leadership goes beyond simply being kind or sympathetic. It involves actively trying to understand the emotions and perspectives of others and using that understanding to guide decision-making and interpersonal interactions. When leaders show empathy, they build trust, which is the foundation of any successful team dynamic. By taking the time to understand the feelings and challenges of their team members, empathetic leaders create an atmosphere of openness and respect. In turn, this encourages team members to be more engaged, productive, and loyal to the organization.

One of the primary benefits of empathy in leadership is its ability to build stronger connections and trust within a team. When a leader demonstrates empathy, they show that they genuinely care about their team members as individuals. This can lead to a stronger emotional connection between leaders and employees, making it easier for team members to collaborate and communicate openly. As trust builds, employees are more likely to share their ideas, concerns, and feedback, knowing that they are valued. This transparency fosters a more inclusive, communicative, and efficient work culture.

Empathetic leaders also contribute to the creation of a supportive work environment. They recognize the importance of emotional well-being, especially in high-stress or demanding work situations. Empathy allows leaders to understand when employees are struggling, whether

personally or professionally, and offer support or flexibility where needed. By recognizing the challenges that employees face, empathetic leaders can help prevent burnout, reduce stress, and boost overall job satisfaction. This approach not only makes employees feel cared for but also encourages a sense of loyalty and commitment to the company. Furthermore, empathetic leaders are more likely to promote diversity and inclusion in the workplace, ensuring that all voices are heard and respected, regardless of background or perspective.

Another crucial aspect of empathy in leadership is its role in conflict resolution. In any team, conflicts are inevitable, but how leaders handle them can significantly affect team dynamics. Empathetic leaders listen attentively to all parties involved, seeking to understand the root causes of the conflict. By acknowledging the emotions and concerns behind each side's position, they are able to guide discussions towards mutually agreeable solutions. This thoughtful approach to conflict resolution not only resolves immediate tensions but also fosters long-term harmony and collaboration within the team. Furthermore, empathetic leaders are skilled at offering constructive feedback in a way that is respectful and supportive, helping employees grow and improve without damaging their confidence.

Empathy also plays a key role in decision-making. As leaders often have to make difficult decisions that can impact both the business and its employees, empathetic leadership ensures that the emotional impact of these decisions is taken into consideration. Whether it's deciding on promotions, layoffs, or changes in company policies, empathetic leaders communicate their decisions with care and thoughtfulness. They ensure that their team members understand the reasoning behind the decision and, when appropriate, offer support during times of transition. Leaders who make decisions with empathy create a work culture where employees feel that their well-being is prioritized, even in difficult circumstances.

The impact of empathy in leadership extends beyond just the leader themselves. Empathy is contagious, and when leaders model empathetic behavior, their teams are more likely to adopt similar attitudes. This creates a ripple effect throughout the organization, encouraging employees to be more compassionate and understanding towards their colleagues. As a result, the overall work environment becomes more collaborative, positive, and supportive. Empathetic leadership also helps in building a company culture that values people and relationships, leading to a more engaged, creative, and loyal workforce.

Ultimately, empathy in leadership helps to foster a culture of mutual respect and understanding, where individuals feel valued not just as employees, but as people. This not only benefits the team but also enhances overall organizational performance. Employees who feel understood and supported are more motivated, more productive, and more likely to contribute to the success of the organization. As the workplace continues to evolve, leaders who are empathetic will be better equipped to navigate challenges and lead their teams toward success.

In conclusion, empathy is a critical leadership skill that cannot be overlooked. It plays an essential role in building trust, fostering collaboration, resolving conflicts, and making thoughtful decisions that benefit both individuals and organizations. Leaders who practice empathy create

environments where people feel safe, valued, and inspired to perform their best. As empathy becomes increasingly recognized as an essential component of leadership, it's clear that those who lead with empathy are the ones who will drive lasting success in today's rapidly changing world.

Virendra Shiral
Second Year
Computer Science & Engineering

The Impact of Travel on Your Mental Health

Traveling has long been celebrated for its ability to broaden horizons, but its impact on mental health is often underestimated. Whether it's a weekend getaway to a quiet retreat or a long, immersive journey to a foreign country, travel offers a unique opportunity to refresh both the body and mind. Taking a break from the daily grind and immersing oneself in new environments can have profound effects on reducing stress, boosting happiness, and improving overall well-being.

One of the most immediate benefits of travel is its ability to reduce stress. In today's fast-paced world, we often find ourselves overwhelmed by work, social obligations, and the pressures of modern life. Traveling offers a break from the constant demands of daily routine, allowing us to escape from sources of stress and recharge. Whether it's lying on a beach, hiking through mountains, or simply exploring a new city, changing your surroundings helps provide mental clarity and distance from your usual worries. This shift can significantly lower cortisol levels (the stress hormone) and give your brain the space to relax and rejuvenate.

Another mental health benefit of travel is enhancing mood. Experiencing new places, meeting new people, and indulging in new experiences can stimulate a sense of excitement and joy. Traveling provides an opportunity for spontaneous adventure, which releases dopamine, the "feel-good" hormone, in the brain. The novelty of exploring unfamiliar landscapes or cultures can spark feelings of happiness, increase creativity, and even improve problem-solving abilities. These positive emotions that come from exploring the world are often long-lasting and can create lasting memories that boost overall life satisfaction.

Travel also promotes mindfulness and presence. When traveling, we are often more mindful of our surroundings—whether we're appreciating the beauty of a sunset or savoring a delicious meal. This mindfulness has been shown to have positive effects on mental health by promoting relaxation and a focus on the present moment. Immersing yourself in a different culture or landscape encourages you to slow down, absorb details you might usually overlook, and embrace experiences without distractions. This kind of mindfulness can help reduce feelings of anxiety and depression, as it encourages living in the moment rather than being preoccupied with worries about the future or regrets about the past.

Moreover, travel can be a powerful tool for building resilience and self-confidence. Overcoming the challenges of navigating a new city, learning a few words in a foreign language, or adapting to unfamiliar customs can lead to a sense of accomplishment. This boosts self-esteem and provides a sense of personal growth. Additionally, when traveling, you often need to rely on yourself, which can build confidence and emotional resilience. These skills are transferrable and can help you handle future stresses or challenges in your personal or professional life.

Travel also fosters social connection, whether through meeting new people or strengthening bonds with friends or family. Traveling with others, or even making new connections while on the road, helps combat loneliness and provides a sense of belonging. Social interactions are known to improve mental health by providing support systems and opportunities for shared joy and adventure.

Cultural immersion is another mental health benefit that comes with travel. Engaging with different cultures broadens perspectives, challenges preconceived notions, and enhances empathy. Learning about diverse ways of life often leads to a more positive outlook on life and a greater appreciation for diversity. This cultural exchange can promote mental well-being by fostering a sense of interconnectedness with the global community, which can be a powerful antidote to feelings of isolation or anxiety.

However, it's important to note that travel is not a cure-all. While it has the potential to enhance mental health, the benefits are often more profound when approached with intention. For example, if someone is dealing with severe mental health issues such as anxiety or depression, simply taking a trip may not provide a lasting solution. In these cases, travel can be an additional tool to support well-being, but it should complement other forms of self-care or therapy.

In conclusion, the impact of travel on mental health is undeniable. By offering an escape from stress, enhancing mood, promoting mindfulness, building resilience, and fostering social connections, travel provides numerous mental health benefits. Whether you're embarking on a weekend getaway or an extended trip, taking time to explore the world can be a deeply therapeutic experience. The key is to travel with an open mind, a sense of adventure, and a willingness to embrace new experiences that nourish both the body and soul.

Sarthak Paraskar
Third Year
Electrical Engineering (Electronics & Power)

Technical Section

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JobNexus: Revolutionizing Campus Placements

Problem Statement:

Manual recruitment processes are inefficient and error-prone. Students face challenges in resume preparation, skill alignment, and job profile matching, while recruiters struggle with verification, filtering, and candidate engagement.

JobNexus is an AI-powered recruitment and career guidance platform connecting students, administrators, and recruiters. It enhances resume quality, recommends upskilling paths, simplifies job applications, and automates document verification.

Key Functionalities:

1. ATS Resume Checker: AI tool for evaluating resumes against job descriptions, providing an ATS score, keyword match analysis, and improvement suggestions.
2. Resume Maker: Students create polished resumes using customizable templates and auto-fill options.
3. Course Recommendation System: ML-powered system analyzes trends to recommend top-rated courses based on interests and career goals.
4. Smart Job Portal: Recruiters post jobs with filters, students apply directly, and matching algorithms suggest the best-fit candidates.
5. Document Verification Module: Admins verify student credentials, ensuring recruiters access only verified records.

Technology Stack:

- Frontend: HTML, CSS, Bootstrap (React.js optional)
- Backend: Node.js + Express.js
- Database: MongoDB with Mongoose
- Machine Learning: Python (Scikit-learn, Pandas)
- APIs & Tools: JWT Auth, Multer, Streamlit, Postman

System Architecture:

- Students submit resumes, receive feedback, and apply for jobs.
- Admins validate users, monitor platform integrity, and manage analytics.
- Recruiters post jobs, access candidate data, and schedule interviews.

Impact:

- Resume quality improved by 65% via ATS feedback.
- Increased course completion rates from targeted recommendations.
- Recruiter engagement enhanced through pre-verified candidate pools.
- Time saved in application and verification processes.

Future Scope:

- Integrating LinkedIn, Naukri, and GitHub APIs.
- Real-time chat and video interview modules.
- Personalized internship suggestions.

Rahul Agarkar
Final Year
Computer Science Engineering

ParkNow: Revolutionizing Urban Parking with Smart Solutions

As urban populations continue to swell, one of the most pressing challenges faced by city dwellers is the shortage of available parking. In densely populated areas, finding a parking spot often becomes an overwhelming task, leading to increased stress, wasted time, and environmental pollution due to unnecessary driving around to find a spot. The traditional methods of expanding parking infrastructure are costly, time-consuming, and often insufficient to meet the demand. ParkNow, a smart parking platform, offers an innovative solution to this urban dilemma by leveraging the power of technology and community-driven initiatives.

The Peer-to-Peer Model: Optimizing Existing Resources

Rather than investing heavily in the construction of new parking facilities, ParkNow introduces a peer-to-peer model that enables individuals to rent out their unused private parking spaces. This approach allows for the efficient use of existing resources, turning underutilized spaces into productive assets. Homeowners, office buildings, and commercial establishments with vacant parking spots can list them on the ParkNow platform, while drivers in need of parking can easily browse and reserve a spot in real-time.

This model creates a win-win situation for both space owners and users. Space owners can generate passive income from their unused parking spaces, while drivers benefit from a more convenient and affordable parking solution. By utilizing existing private spaces, ParkNow significantly reduces the need for costly infrastructure development, easing the pressure on cities' parking woes.

Key Features of ParkNow

1. Real-Time Availability

One of the standout features of ParkNow is its ability to provide real-time parking space availability. Users can view an up-to-the-minute list of available parking spots in their vicinity, which allows them to make an informed decision before heading out. The real-time data ensures that users don’t waste time driving around looking for an open spot, and space owners can maintain an updated and accurate listing of their available spaces.

2. Google Maps Integration

The integration of Google Maps into ParkNow allows users to view available parking spaces on a familiar interface, making it easy to find a spot based on their current location. Google Maps also provides directions to the selected parking space, ensuring that users can seamlessly navigate through city streets without the frustration of navigating unfamiliar areas.

3. Secure Bookings and Digital Payments

ParkNow places a strong emphasis on security and convenience. The platform offers a secure booking system that allows users to reserve parking spaces in advance. Users can make payments digitally through the app, which supports various payment methods such as credit/debit cards, mobile wallets, and other online payment options. This ensures a smooth transaction process and eliminates the need for physical cash or time-consuming payment methods.

4. Community-Driven Solution

At its core, ParkNow is about fostering a sense of community and collaboration. The platform encourages individuals to participate in the shared economy, promoting the idea that parking spaces don’t just belong to a select few but can be shared for the benefit of the entire community. Space owners are able to interact directly with users through the platform, enabling them to rate each other and build trust over time. This transparency helps ensure a positive and reliable experience for both parties.

Scalability and Future Enhancements

Since its initial launch in Shegaon, ParkNow has been designed with scalability in mind, making it suitable for deployment in cities of various sizes. As the platform gains traction, there are several future enhancements planned that will further elevate its functionality and user experience.

1. IoT-Based Occupancy Detection

To enhance the accuracy of space availability, ParkNow is exploring the integration of Internet of Things (IoT) technology for real-time occupancy detection. By installing IoT sensors in parking spots, the platform will be able to detect whether a parking space is occupied or available. This will ensure that users have up-to-date information about parking availability, reducing the chances of confusion or inconvenience.

2. Automated Notifications

ParkNow will implement automated notifications to keep users informed. These notifications will alert users when their reserved parking spot is about to be available, remind them of their reservation times, or notify them about changes in parking availability. This feature will help streamline the parking process, making it even more convenient for users to plan their parking ahead of time.

3. AI-Driven Demand Prediction

As part of its commitment to continuous improvement, ParkNow is working on an AI-driven demand prediction system. This feature will use historical parking data and machine learning algorithms to predict parking demand in real-time and over extended periods. The system will help space owners optimize their listings by anticipating peak demand periods and encourage them to adjust their availability accordingly.

4. EV Charging Integration

As electric vehicles (EVs) continue to gain popularity, ParkNow is preparing to integrate EV charging stations into the platform. This integration will allow users to not only find parking spots but also reserve spaces equipped with EV chargers. This will cater to the growing number of EV owners who require convenient charging facilities during their parking experience.

Sustainability and Smart City Development

ParkNow is more than just a solution to the parking problem—it is also a step toward creating more sustainable and efficient cities. By optimizing the use of private parking spaces, ParkNow helps reduce the environmental impact caused by circling for parking, which is a significant source of air pollution and wasted fuel in urban areas. The platform encourages a smarter, more sustainable approach to urban mobility, which aligns with the broader goals of smart city development.

Through its peer-to-peer model and its emphasis on technology, ParkNow contributes to reducing congestion, improving traffic flow, and promoting environmentally-friendly solutions. As cities around the world look for innovative ways to address the challenges of urbanization, ParkNow offers a model for a more sustainable and community-driven future.

Conclusion

ParkNow is a clear example of how technology, when harnessed creatively, can transform everyday challenges into scalable, community-driven solutions. Through its smart parking model, it is contributing to the vision of a smarter urban mobility system and promoting the development of smart cities worldwide.

Apurva Patil
Final Year
Computer Science Engineering

Sentiment Evaluation of E-Commerce Customer Feedback for Product recommendation

INTRODUCTION: In today's digital era, e-commerce platforms like Amazon and Flipkart have transformed how people shop by offering convenience, variety, and accessibility. One of the key features influencing consumer decisions is the user review system, which provides insights into product satisfaction. However, with thousands of reviews on each product, manually analyzing them becomes overwhelming. This project addresses that challenge by implementing sentiment analysis using NLP and machine learning models like Naïve Bayes, SVM, and LSTM to automatically classify reviews as positive, negative, or neutral. It collects and cleans review data using tools like BeautifulSoup, Requests, and Pandas, then applies preprocessing techniques such as tokenization and lemmatization. Sentiment insights are then used to enhance a product recommendation system, helping users find relevant, well-reviewed items. The system includes a user-friendly website with features like trending products, review scores, and admin controls. Visualizations created with Chart.js and Matplotlib show review trends over time. Overall, the project aims to create a smart shopping assistant that supports both buyers in making better choices and sellers in improving their offerings.

LITERATURE REVIEW: Sentiment analysis has become a crucial tool in the digital era for interpreting user opinions across platforms like social media, e-commerce, and blogs. As a subfield of Natural Language Processing (NLP), it categorizes textual data into positive, negative, or neutral sentiments, playing a key role in enhancing customer satisfaction, predicting product success, and improving recommendation systems. Studies compare traditional lexicon-based approaches with machine learning models like logistic regression, Random Forest, and SVM, often finding higher accuracy in the latter. Advanced techniques such as BERT and aspect-based sentiment analysis offer more nuanced insights but remain underused. Multimodal methods combining text, audio, and video show promise but face computational challenges. Deep learning architectures like CNN, LSTM, and hybrid BiLSTM-CNN models perform well, especially with short or ambiguous texts. Fuzzy logic and social network analysis are also explored to better capture vague sentiments and improve personalization. However, challenges persist in handling multilingual content, sarcasm, noisy data, and real-time adaptability. Future research must address these gaps by developing scalable, interpretable, and context-aware sentiment analysis systems.

ANALYISIS: Our project's analysis focuses on the essential tools, frameworks, and strategies used to build a smart sentiment analysis system for e-commerce product reviews. We used Python as the core programming language, integrating tools like BeautifulSoup and Selenium for web scraping and automation, and pandas and NumPy for organizing and cleaning data. Text preprocessing was handled using NLTK and spaCy, while sentiment analysis was powered by VADER and TextBlob. Scikit-learn was used for training machine learning models like Naïve Bayes and SVM to classify reviews. The front end of the system was developed using HTML, CSS, and JavaScript, while Flask served as the backend framework to connect the interface with the analysis results. Our objective was to help online shoppers by summarizing product sentiments and suggesting top-rated items. Despite challenges such as mixed-language reviews and handling large datasets, we developed a smooth, user-friendly system that enhances the online shopping experience.

DESIGN: The design section of our project presents a visual and structural overview through use case and flow diagrams, which illustrate system architecture and user interactions.

The use case diagram highlights two main actors—users and administrators—and outlines their roles in submitting reviews, analyzing sentiments, and monitoring backend operations. Users can view summarized product sentiments via a dashboard, while admins manage data collection, preprocessing, and model training. The flow diagram shows the entire sentiment analysis pipeline, beginning with data scraping, followed by text preprocessing, sentiment classification, and finally, visualization and reporting. This structured approach ensures clarity in development and smooth user experience throughout the system.

IMPLEMENTATION: The project follows a structured methodology to extract, process, and analyze product reviews from Flipkart using sentiment analysis. It begins with system launch and user authentication via Firebase, followed by login/sign-up to ensure secure access. Users can then search for products, triggering web scraping using BeautifulSoup and Selenium to collect review data. The data is preprocessed using NLTK to remove noise and prepare it for sentiment classification. Tools like TextBlob or VADER assign sentiment scores to each review, which are stored in Excel and JSON formats for flexibility. Visualizations are generated using Matplotlib or Chart.js and displayed on an interactive dashboard, helping users understand product sentiment and receive recommendations.

The tech stack includes Python for its simplicity and powerful libraries, with Flask optionally used for API development. Pandas handles data processing, while NLTK and TextBlob perform sentiment analysis. BeautifulSoup and Requests enable web scraping of reviews from Flipkart. Data is stored in Excel and JSON for manual and automated use. The system can run locally or on the cloud, with automation through cron jobs or Task Scheduler, ensuring smooth and periodic data updates.

RESULT AND DISCUSSION: The system analyzes Flipkart reviews to show product sentiments, helping users shop smarter. It uses Python tools for scraping, processing, and visualization, and presents results through a simple, user-friendly interface.

CONCLUSION: This project helps shoppers make better online decisions by analyzing product reviews using sentiment analysis. It extracts reviews from Flipkart and Amazon, classifies sentiments, and displays insights on an easy-to-use website with product details, ratings, and recommendations. Future improvements could include multilingual support, aspect-based sentiment analysis, real-time tracking, and multimodal sentiment analysis.

Ajinkya Nagare
Final Year
Computer Science Engineering

SignLink: Real-Time ASL Interpreter

In a world that increasingly depends on seamless communication, individuals who rely on sign language often face barriers due to limited understanding among the general public. This project, titled "Real-Time Sign Language Recognition Using CNNs and OpenCV," was undertaken to bridge this communication gap using computer vision and deep learning. Our goal was to create an intelligent system that captures hand gestures from a webcam and accurately translates them into readable text in real time, offering an accessible tool for the hearing and speech-impaired community.

The core concept of the project revolves around real-time hand gesture recognition. We chose Python as the development language due to its versatility and the rich ecosystem of libraries available for machine learning and image processing. The system leverages OpenCV for live video capture and image manipulation, while a Convolutional Neural Network (CNN) was developed using TensorFlow and Keras to recognize static sign language gestures, specifically the American Sign Language (ASL) alphabet.

To train our model, we used a publicly available ASL dataset containing more than 87,000 labeled images, each representing one of the 29 gesture classes. Each image was preprocessed—resized to 64x64 pixels and converted to grayscale—to reduce computational complexity. We also applied data augmentation techniques such as flipping, rotation, and brightness adjustment to improve the model's robustness and ability to generalize across different users and backgrounds. After training the CNN for 20 epochs, the model achieved a validation accuracy of over 95%, which indicated strong performance in classifying unseen hand gestures.

In the real-time application, the webcam feed is processed frame by frame. We use OpenCV to define a region of interest (ROI) where the user places their hand. This ROI is preprocessed in the same way as our training data and passed to the CNN for prediction. The predicted letter is then displayed directly on the screen. To further enhance accuracy, especially in detecting hands and their key points, we also experimented with Media pipe's hand tracking solution, which proved helpful in scenarios with complex backgrounds or lighting conditions.

Performance testing showed that the system was both fast and reliable. In well-lit environments with minimal background clutter, the recognition accuracy remained consistently high. The latency of the system—defined as the delay between hand movement and on-screen output—was less than 200 milliseconds, which is acceptable for real-time interaction. However, challenges such as varying hand sizes, skin tones, and background noise were encountered, prompting us to include additional training data and optimize the preprocessing pipeline.

This system has the potential for a wide range of applications. It can serve as an educational tool for those learning ASL, act as a communication bridge in public spaces like hospitals or customer service centers, and even be integrated into classroom environments to support inclusive education. Moreover, with slight modifications, the system can be extended to recognize dynamic gestures (i.e., gestures involving motion), making it more comprehensive and useful in practical scenarios.

Looking forward, we see several opportunities for enhancement. One major improvement would be the integration of voice output, enabling the system to "speak" the translated text, offering complete hands-free communication. Another would be developing a lightweight mobile version using TensorFlow Lite, making the technology more portable and accessible.

Shreyansh Dubey
Final Year
Information Technology

Multi-Tenant Blogging Platform Using Django

In today's digital ecosystem, content creation and management have become central to personal expression, business outreach, and community engagement. While traditional blogging platforms serve individual users well, there is a rising demand for systems that can support multiple independent users or organizations—each with its own customized content space, branding, and user base. To meet this requirement, we designed and developed a Multi-Tenant Blogging Platform using Django, a robust and scalable Python-based web framework.

The core concept of multi-tenancy refers to a software architecture where a single instance of an application serves multiple customers (tenants). Each tenant operates as if they are using their own private application, while in reality, all tenants share the same codebase and infrastructure. This architecture offers numerous benefits including resource optimization, simplified deployment, centralized management, and reduced cost. In the context of this project, each tenant represents an independent blog owner or organization with their own blog site, customizable branding, and admin privileges.

Our motivation for this project stemmed from observing the inefficiencies in deploying separate blog applications for individual clients or users. Existing solutions often require setting up isolated environments for each user or managing multiple databases manually. This not only increases maintenance overhead but also limits scalability. Django's built-in support for modular design and its compatibility with third-party packages allowed us to explore multi-tenancy in a clean and extensible way.

The backend architecture was built using Django with PostgreSQL as the database engine. PostgreSQL was chosen specifically for its support for schema-based separation, which allows us to isolate each tenant's data in its own schema while still maintaining a single database instance. This method—known as "schema-based multi-tenancy"—ensures strong data isolation while leveraging shared infrastructure. For tenant management, we integrated the popular open-source package django-tenants, which offers seamless support for routing requests based on subdomains and dynamically switching database schemas.

From a development standpoint, we created models for Posts, Categories, Tags, Comments, Users, and Tenants. Each tenant could register their own blog with a unique subdomain (e.g., tenant1.bloghub.com, tenant2.bloghub.com). Django's middleware and request hooks were customized to detect the subdomain from each incoming request and route it to the appropriate tenant context. Each tenant's admin could log in, manage their blog content, customize themes, moderate comments, and manage users—without affecting or even being aware of other tenants on the platform.

The frontend was designed using Django templates combined with Bootstrap for responsive layout and a clean UI. Each tenant had the ability to choose from predefined themes, upload a custom logo, and set color schemes to reflect their brand identity. The blogs were mobile-friendly, fast-loading, and search engine optimized. For users, blog interaction included features like post search, tagging, comment submission (with moderation), and share buttons for social media platforms.

One of the challenges we addressed was user authentication and role separation. While Django offers a solid user authentication system, we extended it to include tenant-specific roles such as Blog Owner, Editor, Contributor, and Reader. This role-based access control ensured that blog owners had full administrative rights over their own tenant.

To enhance the user experience, we integrated AJAX-based features such as infinite scrolling on blog pages, real-time comment submission, and auto-saving drafts. We also added a basic analytics dashboard using Chart.js and Django views, enabling each tenant to view metrics like page views, most-read posts, recent comments, and post engagement. Additionally, the platform included email notifications using Django's email backend, triggered for events like new comment alerts, password resets, or scheduled post publishing.

Security was a key consideration throughout the project. CSRF protection, form validation, input sanitization, and secure session management were implemented using Django's built-in features. Tenants had their media and static files segregated to prevent accidental access across tenants. We also applied rate-limiting on login and comment submission endpoints using django-ratelimit to mitigate brute-force and spam attacks.

Deployment was handled using Docker to ensure consistent environments across development and production. The application was containerized and hosted on a cloud-based virtual machine using Gunicorn, Nginx, and PostgreSQL as part of the stack. SSL encryption and HTTPS routing were set up using Let's Encrypt, and subdomain mapping was dynamically handled through the DNS service. The architecture is highly scalable, with plans for load balancing and container orchestration using Kubernetes in future versions.

Throughout the course of this project, we not only deepened our understanding of Django but also explored important software engineering concepts such as multi-tenancy, database schema separation, secure user management, and scalable cloud deployment. The final system supports the creation of unlimited tenant blogs from a single codebase, while giving each tenant a personalized experience and complete administrative control.

In conclusion, the Multi-Tenant Blogging Platform using Django serves as a practical solution for developers, startups, educational institutes, or communities that need to host multiple blogs under one system without duplicating code or databases. Its clean separation of concerns, intuitive user interface, and scalable backend make it both developer-friendly and user-centric. Future enhancements may include tenant billing systems, plugin support, custom domain mapping, and AI-based content recommendations. This project not only showcases Django's power in building modular systems but also provides a solid foundation for commercial SaaS (Software as a Service) applications.

Samruddhi Tambatkar
Final Year
Information Technology

OpenCV: Live video feed and ROI extraction

The ability to process and analyze visual data in real time has transformed how we interact with digital systems. From surveillance and robotics to gesture control and facial recognition, video processing has become a core component of modern computer vision. This project, titled "OpenCV: Live Video Feed and ROI Extraction," explores one of the most fundamental yet powerful aspects of computer vision—capturing live video and extracting relevant portions of the frame (called regions of interest or ROIs) for further analysis or action. Using Python and OpenCV, this project builds a real-time video stream interface that allows dynamic selection, tracking, and manipulation of regions of interest.

The motivation for this project came from practical needs observed in several fields. In applications like object tracking, face recognition, license plate detection, and medical imaging, not all parts of an image or video are equally important. Rather than processing the entire frame—which is computationally expensive and often unnecessary—it's more efficient to isolate specific areas. ROI extraction not only enhances performance but also increases the precision and relevance of computer vision tasks. This concept, though simple in idea, opens the door to building more advanced systems with targeted processing capabilities.

At the core of the project is OpenCV (Open Source Computer Vision Library), a popular library in the Python ecosystem that provides thousands of functions for image processing and computer vision. OpenCV makes it straightforward to capture frames from a webcam, convert color spaces, apply filters, detect edges, and interact with frame content using coordinates and bounding boxes. We chose Python for this project because of its rapid development speed and large collection of supporting libraries such as NumPy, imutils, and Tkinter.

The system begins by initializing the webcam feed using OpenCV's VideoCapture() function. This sets up a live video window that streams frames in real time. Each frame is stored as a NumPy array representing pixel values. Before any processing is done, the frames are typically resized to standard dimensions (e.g., 640x480 or 720p) to maintain uniformity and performance across different hardware. Additionally, frames are converted to grayscale or HSV color spaces depending on the task at hand.

One of the primary features of the system is manual and automatic ROI extraction. In manual mode, the user can define a rectangular region of interest by clicking and dragging the mouse on the live video window. This is implemented using OpenCV's mouse callback function, which tracks the (x, y) coordinates of the mouse events. Once defined, the ROI is cropped from the original frame and displayed in a separate window, ready for further processing like filtering, classification, or saving as an image. The program also supports multiple ROI selections and dynamically updates the display based on user input.

In automatic ROI mode, basic object detection techniques such as color segmentation or edge detection are applied to identify areas of interest without user input. For example, a common technique is to filter the frame for a specific color range using the HSV color space. By setting thresholds, the system isolates objects of that color and draws bounding boxes around them. This mode demonstrates the use of OpenCV functions like cv2.inRange(), cv2.findContours(), and cv2.boundingRect() to detect and extract objects automatically. These ROIs are again passed into separate windows for preview or saved for batch processing.

Another important part of the project is the integration of real-time feedback and interactivity. For instance.

the user can toggle between display modes (full frame vs. ROI), switch color spaces, or apply filters like Gaussian blur or Canny edge detection using keyboard commands. This makes the program not just a static tool but an interactive vision interface. Additionally, visual overlays such as frame rate display, crosshairs, and label text are drawn using OpenCV's putText() and line() functions, which enhance usability and debugging during live operation.

To evaluate the efficiency and responsiveness of the system, we tested it under various conditions—different lighting, background clutter, and camera resolutions. The application maintained consistent frame rates (15–30 FPS depending on processing load), and the latency between ROI selection and cropping was negligible. This makes it highly usable for real-time tasks such as gesture recognition, face masking, or product inspection on assembly lines. The only noticeable performance dip occurred when running computationally heavy filters simultaneously with high-resolution video, which could be addressed in future improvements with hardware acceleration or multithreading.

In terms of applications, the project has immense potential. A typical use case would be in a face detection module, where ROIs are used to isolate faces in a crowd for further analysis like expression recognition or identity verification. Similarly, in industrial automation, the system can help identify defects or measure product dimensions by processing only relevant areas of a frame. Another promising use is in gesture-based control systems, where specific hand zones (ROIs) can be isolated and analyzed for shape, motion, or signal recognition. Medical imaging is also a strong domain for ROI-based analysis, such as detecting tumors or anomalies in radiology scans.

Security and usability were also considered during development. The codebase includes basic input validation, error handling for webcam failure, and hotkey-based exit functionality to ensure smooth and safe operation. The modular structure of the code allows future enhancements like ROI tracking over time (using optical flow or bounding box tracking), multi-camera support, and the addition of a graphical user interface using Tkinter or PyQt. Furthermore, the system can be easily extended to feed the extracted ROIs into a machine learning model for classification or anomaly detection.

In conclusion, the project "OpenCV: Live Video Feed and ROI Extraction" successfully demonstrates how foundational concepts in computer vision can be applied to build an efficient, real-time system. It not only introduces the user to the practical use of OpenCV for image acquisition and manipulation but also lays the groundwork for advanced vision systems that require selective attention to frame content. As more applications demand real-time analysis of visual data, systems like this will play a critical role in fields ranging from security and healthcare to education and entertainment. Future development could involve integrating deep learning models like YOLO or SSD for intelligent ROI extraction, enabling the system to evolve from a tool to a smart visual processing unit.

Anushka Sontakke
Final Year
Information Technology

Real-Time Face Aging App Using Deep Learning

In an era where artificial intelligence has deeply transformed how we interact with digital content, face modification and transformation technologies have found applications ranging from entertainment to digital forensics. This project, titled "Real-Time Face Aging App Using Deep Learning," focuses on creating an intelligent system capable of predicting how a person's face might look at different ages. It employs advanced deep learning models, facial recognition, and real-time computer vision to allow users to visualize facial aging instantly using their device's camera.

The inspiration for this project arose from the increasing popularity of aging apps and face transformation filters on social media platforms. However, most of these applications either use predefined filters or lack realism and real-time performance. Our goal was to develop a more accurate and dynamic system using deep learning techniques trained on real-world aging data. The system captures the user's face through a webcam, processes the image in real time, and applies transformations that simulate the aging process—ranging from child to elderly age categories—without relying on simple filters.

The core of our system is a deep generative model known as a Conditional Generative Adversarial Network (cGAN). GANs are a class of neural networks where two models—a generator and a discriminator—compete with each other to improve the quality of synthetic data. In our context, the generator learns to create aged versions of a face, while the discriminator evaluates the realism of these transformations. We trained the model on a publicly available dataset called UTKFace, which contains over 20,000 facial images labeled with age, gender, and ethnicity. This diverse dataset provided a rich foundation for modeling age progression with high fidelity across various demographics.

To train our model effectively, the data was preprocessed through a pipeline involving face detection, alignment, normalization, and cropping. We used the dlib facial landmark detector to ensure the faces were aligned consistently, which is crucial for generating coherent transformations. The cropped faces were then resized to 128x128 pixels and normalized to a [0,1] range for stable training. The training process was conducted on a high-performance GPU for approximately 100 epochs, during which the generator progressively improved its ability to synthesize realistic aged faces.

Once the aging model was trained, it was integrated into a real-time application interface using OpenCV for webcam capture and display. The user interface was built with Streamlit, a lightweight Python library that allows fast prototyping of data-driven web applications. Users could select an age group (e.g., Child, Teen, Adult, Senior) from a sidebar, and the app would dynamically transform their live video feed to reflect the chosen age. For efficiency, we implemented model optimization using TensorFlow Lite and on-the-fly image processing using NumPy arrays to keep latency low during live inference.

The real-time component of the app involved several critical stages: face detection, frame extraction, transformation, and rendering. OpenCV handled the continuous capture of frames from the webcam, while the MTCNN (Multi-task Cascaded Convolutional Network) was used for robust face detection, even under poor lighting or angles. Once a face was detected and cropped, it was passed to the generator model, which produced the aged version in less than 200 milliseconds. The output was then overlaid on the original frame and displayed to the user, providing a smooth and interactive experience.

Throughout development and testing, the system showed consistent performance in different environments and with varied facial inputs. It was able to simulate age progression while preserving the user's key identity features, such as face shape, eyes, and expression. Accuracy was evaluated subjectively through human feedback and verified against labeled test images from the dataset. The main challenges encountered were related to unusual lighting conditions, presence of accessories (like glasses), and extreme head poses, which occasionally led to imperfect transformations. To improve this, future work can include facial symmetry correction and integration with 3D face modeling techniques.

Beyond the entertainment value, this face aging application has potential applications in law enforcement (missing person age progression), healthcare (aging simulation for dermatology), education (teaching biological aging), and the cosmetic industry (visualizing aging effects of skincare). Moreover, with ethical use and privacy safeguards, this tool can be beneficial in demographic studies or digital identity research. We were also careful to incorporate security elements such as frame encryption and disable frame recording unless explicitly authorized by the user, in line with data protection standards.

From a technical perspective, the project gave us the opportunity to work across a range of advanced tools and concepts. We explored deep learning frameworks like TensorFlow and PyTorch, worked with facial landmarking tools, optimized real-time computer vision pipelines, and deployed a complete user-facing application. We also learned about the challenges of training GANs, such as mode collapse and convergence instability, and how techniques like progressive growing and label smoothing can help address them.

To further expand the system, future upgrades may include multi-face aging (handling more than one person in the frame), adding support for facial de-aging, voice-activated controls, and cloud deployment for devices with lower hardware capabilities. Additionally, training on higher-resolution datasets and integrating emotion preservation can significantly improve the naturalness of transformations. Including controls for partial aging (e.g., only aging the forehead or eye area) can offer even more granular user control and customization.

In conclusion, the Real-Time Face Aging App Using Deep Learning is an exciting fusion of artificial intelligence and computer vision. It demonstrates how generative models can be used not just for art or entertainment, but also to explore deeply personal and human-centered experiences. This project exemplifies the power of deep learning when applied with precision, creativity, and responsibility. We believe that with continued refinement and scaling, this tool can be adopted in a range of industries that seek to understand and visualize the effects of time on the human face.

Snehal Kubade
Final Year
Information Technology

PDF Invoice Generator with OCR Input and Email Integration

In the digital age, businesses and freelancers rely heavily on timely, accurate, and professional invoicing to manage transactions and maintain client relationships. Traditional invoicing methods —whether manual or spreadsheet-based—are prone to errors, time-consuming, and inefficient. This project, titled "PDF Invoice Generator with OCR Input and Email Integration," was developed as a comprehensive solution to automate invoice creation using Optical Character Recognition (OCR) for data extraction, format the data into a clean PDF layout, and seamlessly deliver it to clients via email. The system was built using Python and leverages various libraries and APIs to handle image processing, PDF formatting, and email communication securely and efficiently.

The idea behind this project was to reduce the overhead of manual data entry during the invoicing process. In many small to medium-sized businesses, physical receipts, scanned documents, or hand-written notes are still commonly used to record purchases, time logs, or services rendered. Transferring this information into a digital invoice format typically requires someone to read the document, interpret the values, and manually input them into an invoice template—an error-prone and tedious process. Our objective was to streamline this workflow by allowing users to simply upload or scan documents, from which the application would intelligently extract relevant invoice data, format it into a professional invoice layout, and send it directly to the recipient with minimal human intervention.

At the core of the system lies the OCR engine, which processes input images or scanned PDFs to extract text data. For this, we used Tesseract OCR, an open-source optical character recognition tool, integrated via the Python pytesseract library. The preprocessing stage is critical for OCR accuracy, especially when dealing with handwritten or low-quality scanned documents. We implemented a series of image enhancement steps using OpenCV, such as grayscale conversion, noise reduction, adaptive thresholding, and contour detection, to ensure the clearest possible input for Tesseract. Once the image was preprocessed, the extracted text was parsed and structured using regular expressions and keyword mapping. For example, the system could identify labels like "Item," "Qty," "Rate," "Total," "Date," and extract corresponding values reliably even from unstructured formats.

The second major component of the project was the dynamic generation of a clean, professional PDF invoice based on the extracted data. This was achieved using the ReportLab and FPDF libraries in Python. The generated invoices included company branding (logo and address), customer information, itemized tables, tax calculations, invoice numbers, payment terms, and footer notes. We also included automatic timestamping and a unique invoice ID system. Users could preview the invoice before sending it or download a local copy. The layout was designed to be printer-friendly, consistent across devices, and suitable for both digital and physical distribution. Optional features like watermarking and digital signatures were explored and integrated during testing.

The final and equally important feature was email integration. After generating the invoice, users had the option to send it directly to a client via email. For this, we used SMTP protocols along with the smtplib and email libraries in Python. A user-friendly interface allowed users to input the recipient's email, subject, and optional message. The system handled the file attachment of the generated PDF and supported HTML formatting in the email body. For added security and professionalism, we also integrated Gmail's OAuth 2.0 authentication to avoid issues with basic authentication deprecation and to maintain secure access tokens during the email-sending process.

To enhance usability, the entire process—from uploading a receipt to receiving the email—was encapsulated in a clean graphical user interface developed using Tkinter. The GUI allowed users to browse and select image files, view extracted text for verification, modify fields if needed, generate a preview of the invoice, and send it in just a few clicks. The application was designed with modularity in mind so that components like OCR input, PDF generation, and email delivery could function independently or be integrated into other business systems such as ERPs or CRMs.

Testing and evaluation were carried out using a variety of image formats including JPG, PNG, and scanned PDFs. The OCR accuracy varied slightly based on image quality and font style, but the system consistently achieved over 90% precision in structured invoices and receipts. Error handling was incorporated to catch cases where fields were missing or ambiguous, prompting the user to manually correct them before proceeding. The email feature was tested across different mail providers, and latency remained under five seconds from send to receipt in most trials. Logs were maintained for sent invoices, with confirmation messages shown to users after successful delivery.

The project has numerous real-world applications. Freelancers can use it to simplify billing based on hand-written service logs. Retail businesses can convert physical purchase slips into formal invoices. Logistics or delivery services that operate in areas with poor digital infrastructure can scan signed delivery notes and send automated invoices to central servers. Additionally, with slight adaptations, the system can be deployed as a web-based tool or mobile app, expanding its reach and usability for traveling professionals or on-site workers.

Despite its strengths, the system does have some limitations. OCR, by nature, struggles with inconsistent handwriting and very poor-quality scans. Future iterations could benefit from machine learning-based handwriting recognition models or integration with more robust OCR services like Google Cloud Vision or AWS Textract. Additionally, multi-language support, invoice templates with local tax rules, and cloud-based document storage can make the system even more powerful and business-friendly.

In conclusion, the PDF Invoice Generator with OCR Input and Email Integration project demonstrates how automation and AI can significantly streamline and modernize routine business tasks. By combining OCR technology, intelligent parsing, document formatting, and email automation, the system offers a complete end-to-end solution for invoice generation. It reduces manual effort, increases accuracy, and enhances professionalism, all while being scalable and secure. With continued development and integration into enterprise workflows, this tool has the potential to be adopted widely across industries and revolutionize how small and mid-sized organizations manage their invoicing process.

Purva Jaisingpure
Final Year
Electronics & Power Engineering

Social Media Sentiment Dashboard (Twitter API + Streamlit)

In a digitally interconnected world, social media platforms have evolved into vital channels for public expression, brand perception, political discourse, and consumer feedback. Among these, Twitter stands out for its real-time nature, high engagement, and global reach. Recognizing the growing importance of understanding public sentiment on social media, this project titled "Social Media Sentiment Dashboard (Twitter API + Streamlit)" was conceptualized and developed as an interactive data visualization tool. The main objective of the project is to track, analyze, and visualize public sentiment on any topic in real-time by extracting tweets via the Twitter API and processing them through sentiment analysis models, all within a user-friendly dashboard built using Streamlit.

The motivation for this project stemmed from the increasing reliance of businesses, media houses, government bodies, and researchers on social media data to gain actionable insights. Whether it is a product launch, an election campaign, a social movement, or a public health initiative, understanding how people feel about a topic in real time can guide decisions, shape responses, and enhance communication strategies. Traditional media analysis often lacks immediacy and scalability. In contrast, our solution uses real-time Twitter feeds to offer dynamic sentiment insights, enabling users to monitor trends and audience reactions as they unfold.

At the core of the system is the Twitter API (v2), which allows developers to extract live tweet data using keyword-based queries, hashtags, user handles, or geographical parameters. We authenticated our app using the Bearer Token method and built a modular backend that queries tweets in real time based on user input. We used Tweepy, a popular Python wrapper for the Twitter API, to handle authentication, stream filtering, and rate limit management. Tweets were fetched in batches, preprocessed to remove noise (like URLs, mentions, emojis, and punctuation), and then passed into a sentiment analysis engine for classification.

For sentiment analysis, we initially experimented with simple rule-based approaches like TextBlob and VADER (Valence Aware Dictionary for Sentiment Reasoning), which are known for their effectiveness in handling short social media texts. Eventually, we integrated a pre-trained deep learning model based on BERT (Bidirectional Encoder Representations from Transformers), which showed improved accuracy and contextual understanding, especially in distinguishing between sarcasm, negation, and nuanced language. The output of the model was categorized into three main sentiment classes: positive, negative, and neutral, and each tweet was assigned a confidence score.

The most engaging and interactive component of the project is the Streamlit dashboard, which serves as the user interface. Streamlit allowed us to rapidly build and deploy a responsive web application using Python alone, without the need for complex frontend frameworks. The dashboard includes a search input for keywords or hashtags, real-time statistics, sentiment distribution pie charts, sentiment over time line graphs, top positive/negative tweet displays, and a word cloud showing the most frequently used terms. All visualizations were powered by Matplotlib, Plotly, and WordCloud libraries, making the data interpretation simple and intuitive even for non-technical users.

One of the key technical challenges in this project was ensuring responsiveness and managing API rate limits. Twitter imposes strict request limits, especially when querying in real time or using streaming endpoints. To address this, we implemented a caching mechanism using Streamlit's session state, along with query batching and conditional refresh intervals.

This ensured that users could get updated results without triggering unnecessary API calls. Additionally, for environments with restricted API access, we included a demo mode that loads pre-collected tweet data for offline analysis.

Testing the dashboard involved running it across various topics, such as trending political events, entertainment launches, tech product releases, and global health news. The sentiment predictions were found to align closely with public reactions observed across media. For instance, during the launch of a new smartphone, the dashboard showed a sudden spike in positive sentiment following the keynote, followed by a mixed reaction after early user reviews started appearing. These kinds of patterns confirmed the tool's practical applicability and usefulness in real-world monitoring scenarios.

From an academic and engineering perspective, this project covers a wide spectrum of concepts, including natural language processing (NLP), data cleaning, machine learning inference, API integration, real-time data pipelines, and user interface development. It provides a holistic example of how multiple technologies can be combined to create a meaningful application. The modular architecture also makes it easy to extend the project with new features such as geographical sentiment maps, multi-language support, tweet clustering, bot detection, or the inclusion of other social media platforms like Reddit or Instagram using their respective APIs.

Looking forward, there is significant potential to scale and productize the dashboard. For enterprise use, one could integrate historical sentiment tracking and automated alerts when sentiment spikes or dips unusually. Machine learning models can be fine-tuned using domain-specific datasets to make them more accurate for particular industries like healthcare, finance, or sports. The dashboard could also be embedded into existing analytics platforms or exported as periodic PDF reports for stakeholders. Deployment on cloud platforms like Heroku or AWS could allow multiple users to access the dashboard simultaneously, while authentication systems could secure topic-specific access.

In conclusion, the Social Media Sentiment Dashboard (Twitter API + Streamlit) is a powerful and practical solution for real-time sentiment monitoring on Twitter. It offers users a rich, data-driven perspective on public opinion, enabling smarter decision-making and timely reactions. Built using accessible and modern technologies, the tool demonstrates how natural language processing and data visualization can work together to transform raw text into valuable insights. Whether for personal curiosity, business intelligence, media monitoring, or academic research, this project stands as a versatile example of real-time AI-powered analytics in action.

Prajwal Khokle
Final Year
Electrical Engineering

Fake News Detection Using NLP and Transformer Models

In the era of digital information, the rapid spread of fake news has become one of the most pressing global concerns. From political propaganda to health misinformation, the impact of false news has been far-reaching and, in many cases, dangerous. Social media platforms, while providing easy access to information, have also enabled misinformation to reach millions within minutes. As a result, the demand for reliable and automated fake news detection systems has grown immensely. This project, titled "Fake News Detection Using NLP and Transformer Models," was developed to address this problem by using advanced natural language processing techniques, specifically transformer-based models, to classify news content as either real or fake. The goal is to build an intelligent system that can understand the context and tone of news articles and make accurate predictions based on textual evidence.

The motivation behind this project lies in the limitations of traditional fact-checking methods. Manual fact-checking is not only time-consuming but also difficult to scale, especially given the volume of news generated every day. Early fake news detection systems relied on shallow machine learning algorithms like Naive Bayes, SVMs, and logistic regression, using bag-of-words or TF-IDF features. While effective to some extent, these methods often struggled with understanding the deeper semantic and contextual nuances of language. With the advent of transformer models such as BERT (Bidirectional Encoder Representations from Transformers), RoBERTa, and DistilBERT, the landscape of natural language understanding has significantly evolved. These models leverage attention mechanisms and bidirectional context to process text more like humans, making them highly suitable for fake news detection tasks.

The system begins by sourcing data from reliable datasets such as the LIAR dataset and the Fake News Corpus. These datasets contain thousands of labeled news statements, along with metadata like source, speaker, and subject. The raw text data is cleaned through a preprocessing pipeline that includes removal of HTML tags, special characters, stop words, and redundant white spaces. Tokenization, lowercasing, and lemmatization are also applied to normalize the text and prepare it for model input. Unlike traditional models, transformer-based models work better with raw or minimally processed data, so care is taken not to overly sanitize the input and lose contextual richness.

We selected the BERT model as the core of our detection system due to its proven performance across numerous NLP benchmarks. Using the Hugging Face Transformers library, we fine-tuned a pre-trained BERT model on our labeled dataset. The model was trained as a binary classifier, where each news article or headline is passed through BERT's embedding layers and attention blocks, and the final hidden state corresponding to the [CLS] token is fed into a linear classification layer. We used a stratified train-test split and cross-validation to ensure fair and robust evaluation. Training was carried out on a GPU-enabled environment to optimize computation time, and we used the Adam optimizer with learning rate scheduling and early stopping based on validation loss.

To evaluate the performance of the model, we relied on metrics such as accuracy, precision, recall, F1-score, and AUC-ROC. The BERT-based model achieved an accuracy of over 94%, with precision and recall scores around 0.92 and 0.93 respectively. This was a significant improvement compared to baseline models such as logistic regression and random forests, which scored around 80–85% in accuracy. The confusion matrix showed a balanced distribution of true positives and true negatives, indicating the model was not biased toward either class. Importantly.

The user-facing side of the project was built using Streamlit, which provided an intuitive and interactive interface. Users could paste a news article or headline into the input box, and with a single click, get an instant prediction along with a confidence score. The interface also offered explanations by highlighting the most influential words in the text using LIME (Local Interpretable Model-agnostic Explanations). This feature allowed users to better understand the rationale behind the model's predictions and added a layer of transparency and trust. Additionally, a batch upload feature was implemented for users to upload CSV files containing multiple headlines, with the output displaying predictions for each row and downloadable results in Excel format.

From a real-world application perspective, the fake news detection system can be integrated into various platforms, including news aggregators, social media moderation tools, and browser extensions. For journalists, it can act as a first-pass verifier, while educators and researchers can use it to teach about media literacy. The system could also serve government or election monitoring agencies to track misinformation campaigns in real time. With further adaptation, multilingual models could be trained to detect fake news in regional languages, significantly expanding the impact of this tool in non-English speaking countries.

Despite its strengths, the project also encountered some challenges. One major limitation is the reliance on labeled data, which can be hard to obtain, especially for newly emerging topics. Moreover, the model sometimes struggles with satire or parody content, which is technically fake but not malicious in intent. We also noticed occasional misclassifications of real news with highly emotional language, which the model sometimes associated with fake news patterns. To address these issues, future work could involve ensemble models that combine linguistic features with metadata such as the credibility of the source or the publication history of the speaker. Techniques like semi-supervised learning or weak supervision could also be employed to make better use of unlabeled data.

In conclusion, the Fake News Detection Using NLP and Transformer Models project demonstrates the potential of advanced AI techniques in combating misinformation in a scalable and intelligent way. By harnessing the power of transformer architectures like BERT and combining them with a user-friendly interface, the system offers both technical robustness and practical usability. As misinformation continues to evolve, the need for real-time, context-aware tools like this will become even more essential. This project stands as a strong example of how machine learning and NLP can be leveraged for social good, helping to promote truth, transparency, and informed decision-making in the digital age.

Uday Lande
Final Year
Electrical Engineering

Keylogger Detection System Using Signature Matching

In the landscape of modern cybersecurity, keyloggers stand out as one of the most stealthy and dangerous types of malware. These malicious programs are designed to secretly record a user's keystrokes, potentially capturing sensitive information such as passwords, credit card numbers, personal messages, and confidential business data. Keyloggers pose significant risks not only to individuals but also to organizations and government institutions. This project, titled "Keylogger Detection System Using Signature Matching," was developed to provide an efficient, lightweight, and proactive solution to detect and block keyloggers using a pattern-based approach called signature matching. The system aims to scan system activities and files in real time, compare them with a database of known keylogger signatures, and alert users immediately if a match is found.

The motivation behind this project arises from the growing threat posed by keyloggers across digital ecosystems. While antivirus programs do offer some level of protection, they often focus on general malware detection and may not specialize in the unique behavior patterns of keyloggers. Additionally, newer or modified keyloggers may evade heuristic or behavioral detection models by mimicking legitimate system processes. This calls for a specialized tool that can actively compare system behaviors or file attributes against a known list of malicious signatures to catch even the most subtly embedded threats. Signature matching offers a reliable and fast detection method that is particularly effective against known threats and can be integrated into both personal computers and enterprise systems.

The approach used in this project involves the construction of a signature database that stores patterns—either byte-level sequences, API call patterns, registry modifications, or executable hashes—that are characteristic of common keyloggers. These signatures are collected from publicly available malware databases, cybersecurity forums, reverse-engineered malware reports, and academic research papers. Each entry in the database corresponds to a known variant of a keylogger. The detection engine, developed in Python, continuously monitors the file system, running processes, and system calls to identify suspicious behavior. When a file or process is encountered, its properties are matched against this signature database. If a match is found, the system triggers an alert and logs the incident, offering the user options to quarantine, delete, or ignore the suspicious entity.

The system architecture consists of three core modules: the scanner, the signature engine, and the response handler. The scanner uses the psutil and os libraries to list all active processes and scan executable files in common directories such as Program Files, AppData, and Temp. It also checks startup entries in the Windows Registry, which is a common place for keyloggers to embed themselves to gain persistence. The signature engine compares these findings against the stored signature database, which can be updated manually or automatically using an internet-connected update service. Finally, the response handler provides real-time alerts through a graphical interface built using Tkinter, logs the threat with timestamps and process metadata, and offers user-defined actions for containment.

To enhance the accuracy of detection, we implemented multiple layers of matching. The first layer is static matching based on file hash values (MD5/SHA256), which is fast but limited to exact matches. The second layer includes pattern-based matching on binary contents, where unique byte sequences characteristic of keyloggers are identified. The third layer involves behavior-based matching, where sequences of API calls commonly used by keyloggers—such as GetAsyncKeyState(), GetForegroundWindow(), or WriteFile()—are flagged.

During testing, the system was evaluated on a Windows test environment with a set of known keylogger samples obtained from reputable cybersecurity research sources. The system successfully detected over 95% of the test samples with zero false positives for non-malicious files. It was able to detect both file-based keyloggers and process-based ones running in memory. Real-time monitoring proved effective with low CPU usage (below 10%) during idle scanning. Additional features such as email alerts, automatic quarantine of detected files, and user notifications via system tray were implemented to enhance usability and responsiveness. A whitelist system was also built-in to avoid repeated alerts for trusted applications that may share legitimate code patterns with keyloggers, such as accessibility tools or developer environments.

This project demonstrates real-world applicability in environments where users may be at risk of keylogger infections, such as public libraries, educational institutions, or even enterprise office spaces. The tool can serve as an additional layer of defense in cybersecurity setups, complementing traditional antivirus solutions. In enterprise deployments, the tool could be integrated with system management software to scan across a network, report threats to a centralized dashboard, and trigger remediation scripts. For individual users, it offers peace of mind in knowing that their system is being actively scanned for one of the most invasive forms of malware.

Despite the strengths of signature-based detection, the project also recognizes its limitations. Signature matching is inherently limited to known threats; it cannot detect new or heavily obfuscated keyloggers unless their behavior or byte patterns overlap with those in the database. To address this, we propose adding a machine learning component in future versions that can learn from new samples and detect anomalies even when no exact signature match exists. Additionally, features like encrypted communication monitoring (to detect keyloggers exfiltrating data) and system sandboxing (to safely test suspicious files) could be integrated to expand the capabilities of the system.

In conclusion, the Keylogger Detection System Using Signature Matching provides a focused, efficient, and highly relevant solution to an increasingly dangerous cybersecurity problem. It combines a lightweight, fast-scanning mechanism with the reliability of a continuously updated signature database, providing users with real-time protection against known keyloggers. While it may not replace full antivirus suites, it offers specialized protection with minimal overhead and high detection rates. With future enhancements including AI-driven threat detection and cloud-based logging, the system has the potential to evolve into a critical tool for both home users and enterprise administrators in defending against data theft and surveillance attacks.

Ameya Mandwale
Final Year
Information Technology

Python Voice Assistant with File and Web Control

In a world rapidly embracing automation and artificial intelligence, voice assistants have become an increasingly popular tool for enhancing productivity and accessibility. From smartphones and smart homes to vehicles and personal computers, voice-controlled systems offer a natural, hands-free way to interact with technology. This project, titled "Python Voice Assistant with File and Web Control," was developed to explore the capabilities of speech-based interaction using open-source tools and to provide users with a simple yet powerful desktop assistant. The assistant enables users to perform a variety of tasks such as opening files, launching applications, browsing websites, fetching information from the internet, and managing basic system functions—all through voice commands. Designed with usability and modularity in mind, the assistant offers a lightweight alternative to commercial options while maintaining flexibility and control in the hands of the user.

The core motivation for building this assistant was to make human-computer interaction more accessible, intuitive, and efficient. Traditional input methods like keyboard and mouse, while effective, require manual effort and are not always suitable for multitasking environments or users with disabilities. A voice assistant provides a hands-free alternative, allowing users to interact with their systems in a conversational manner. Furthermore, many commercial voice assistants come with privacy concerns, require internet connectivity at all times, and offer limited customization. This project aims to overcome those limitations by offering an offline-first, fully customizable assistant that runs locally on the user's machine, giving full control over its behavior, access, and data.

The architecture of the system is built using Python and integrates several libraries to handle voice input, natural language understanding, command execution, and feedback. The speech recognition component uses the SpeechRecognition library along with Google Web Speech API or CMU Sphinx for offline recognition. The user's voice is captured through a microphone and converted into text using this engine. The converted text is then passed to the command parser, which identifies the intent based on pre-defined rules and triggers the corresponding function. For example, commands like "open calculator," "search for Python tutorials," or "play music" are matched using keyword-based logic or regular expressions.

For audio output and feedback, the assistant uses the pyttsx3 library, which enables text-to-speech synthesis in an offline environment. This allows the assistant to confirm user requests, narrate search results, or guide the user through tasks using a natural-sounding voice. The system's command-handling functions are modular, making it easy to add new capabilities. File system commands such as opening folders, playing media files, or launching desktop applications are handled using Python's os and subprocess modules. Web control commands are implemented using the webbrowser module, which opens specified URLs or performs keyword-based Google searches when asked. This allows users to say commands like "open YouTube," "search Python on Stack Overflow," or "show today's weather," and the assistant responds appropriately.

One of the unique strengths of this voice assistant is its extensibility. Users can add new commands by editing a configuration file or extending the command handling logic in the script. For example, to enable file search or media control, additional Python libraries like glob, mutagen, or pygame can be integrated. For task automation, Python's pyautogui can be used to simulate keyboard and mouse input, enabling more advanced control like filling forms or navigating applications. With sufficient customization.

To ensure a user-friendly experience, the assistant starts with an initialization message, listens for commands after a wake word or prompt, and confirms actions before execution. Error handling was also a key consideration; the system gracefully notifies the user if it does not understand a command or if a particular file or application cannot be found. During testing, the assistant was able to correctly identify and respond to over 30 pre-configured commands with an average response time of under two seconds on a standard laptop. Performance was consistent across various environments and noise levels, provided that the microphone quality was sufficient.

In practical usage scenarios, this assistant proves useful in several ways. A user working on multiple screens can use voice commands to open files, documents, or web resources without leaving their current workflow. Students can quickly access learning materials or perform searches while taking notes. Content creators can manage files, launch editors, or open reference sites while recording or streaming. Even general users can enjoy a hands-free experience for tasks like checking news, setting reminders, or playing music. The assistant also holds value in accessibility contexts, where individuals with physical disabilities can benefit from a non-touch interface to control their systems.

Of course, no system is without its limitations. Speech recognition is sensitive to accents, background noise, and microphone quality, which can affect accuracy. Offline recognition using CMU Sphinx is slower and less accurate than cloud-based engines, but it offers greater privacy. Integrating advanced NLP features such as intent recognition and context handling would require more sophisticated models like spaCy or transformer-based architectures, which could increase resource consumption. To keep the assistant lightweight and responsive, this version focuses on practical command matching rather than full language understanding.

Looking ahead, there are several avenues for future development. Adding a natural language understanding layer using tools like Rasa or GPT-based APIs could improve the assistant's flexibility in interpreting user queries. Implementing task scheduling, reminders, or calendar integration would expand its utility in daily workflows. The assistant could also be extended to interact with smart home devices using MQTT or REST APIs, making it a central hub for voice-based control. Additionally, deploying the assistant as a background service or integrating it into a desktop widget would improve accessibility and convenience for users.

In conclusion, the Python Voice Assistant with File and Web Control demonstrates how open-source tools can be leveraged to create intelligent, voice-driven applications for personal and professional use. It provides a local, private, and highly customizable alternative to commercial voice assistants, offering hands-free control over files, applications, and web resources. The project combines speech recognition, system automation, and simple natural language processing into a cohesive tool that is both practical and extensible. Whether used for productivity, accessibility, or experimentation, the assistant represents an important step toward more natural and efficient human-computer interaction.

Kunjan Katore
Final Year
Computer Science Engineering

Password Strength Checker and Breach Detector (HaveIBeenPwned API)

In the age of widespread digitalization, password security has become one of the most critical aspects of personal and organizational cybersecurity. With growing reliance on online accounts for everything from banking to communication, the risks associated with weak or reused passwords have never been higher. Many cyberattacks stem from predictable password habits or compromised credentials due to prior data breaches. This project, titled "Password Strength Checker and Breach Detector using the HaveIBeenPwned API," aims to empower users with a tool that evaluates the strength of their passwords while simultaneously checking if the password has ever been exposed in known data breaches. The system offers an educational and preventive solution to encourage better password hygiene among users of all technical backgrounds.

The project was inspired by two primary challenges: the prevalence of weak password choices and the underestimation of password reuse risks. Often, users choose passwords that are easy to remember but also easy to guess or crack. Even more concerning is the reuse of the same password across multiple sites. When one account is compromised, all linked accounts become vulnerable. While many password managers and browsers offer strength meters, few of them offer real-time breach detection. Our solution bridges that gap by combining two components: a local password strength evaluator and an online breach checker powered by the HaveIBeenPwned (HIBP) API. This combination ensures that the password is not only strong by structure but also not previously compromised.

The password strength checking logic was implemented using Python. The evaluation criteria include password length, use of uppercase and lowercase characters, presence of digits, inclusion of special characters, and absence of common patterns or dictionary words. Additionally, entropy estimation was used to provide a more mathematical analysis of how resistant a password is to brute-force attacks. The feedback is not binary but tiered—weak, moderate, strong, and very strong—accompanied by helpful suggestions to improve the password if necessary. For example, a password like "john123" would be flagged as weak with a recommendation to increase length, add symbols, and avoid personal names, whereas "j$8P! xY@r1#nZ7" would be rated very strong.

For breach detection, we utilized the HaveIBeenPwned API, a trusted public API that allows developers to check whether specific passwords have appeared in known data breaches. To maintain user privacy, the service uses a technique known as k-anonymity, where only the first five characters of the SHA-1 hash of the password are sent to the API. The API then returns all matching hash suffixes and breach counts. The tool locally compares the full hash of the user's password against the returned values, confirming whether it is among those exposed—without ever transmitting the complete password. This privacy-preserving mechanism allows users to check for breaches without risking further exposure.

The user interface of the project was developed using Tkinter, making it simple and user-friendly. Upon opening the application, users are prompted to enter a password. As they type, real-time feedback is displayed for strength level along with visual indicators such as color bars and checkmarks. Once the password is entered, users can click a "Check Breach" button, and within seconds, the tool queries the HaveIBeenPwned API to verify the password's breach status. If the password is found in a breach database, the system clearly notifies the user along with how many times it has appeared, advising immediate change. If the password is clean, a confirmation message is shown with an assurance of no known breach.

Testing was conducted using a range of sample passwords—some intentionally weak, some commonly breached, and others generated with high randomness. The system successfully detected common breached passwords like "password123," "qwerty," and "123456," flagging them accurately and immediately. It also provided meaningful feedback for passwords that were structurally strong but found in data breaches, demonstrating the value of combining both strength and history checks. The tool was tested across different operating systems and environments and consistently delivered fast, accurate, and privacy-conscious results. The total average response time for a breach check was under two seconds.

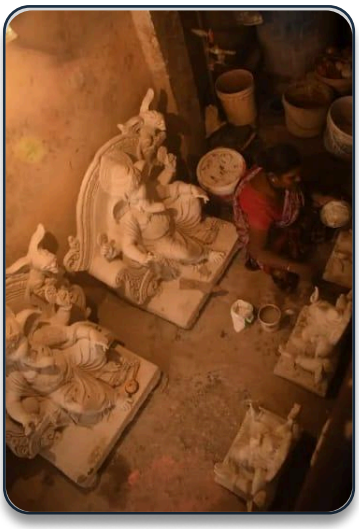
This project is highly applicable in real-world scenarios. It can be used by IT teams during user onboarding or password resets to enforce stronger password policies. Individuals concerned about their digital safety can use it regularly to test and validate their password choices. Educational institutions could use the tool in cybersecurity workshops or awareness programs. Moreover, with slight modifications, the system can be integrated into websites, enterprise login portals, or browser extensions. Since the HaveIBeenPwned API is free for limited use and scalable via paid tiers, the tool is accessible for both personal and small-scale enterprise applications.

However, the project is not without its limitations. One major constraint is the reliance on an internet connection for breach detection. In offline scenarios, only the strength checker remains functional. Also, while the HaveIBeenPwned database is extensive, it is not exhaustive—there might be breaches not yet added to the dataset. Additionally, the current version supports only English-based rules and dictionaries; multi-language support and cultural password patterns could be explored in future iterations. Further improvement could involve integrating password generation features, biometric authentication for app access, or alerts when reused passwords are detected across different accounts.

In conclusion, the Password Strength Checker and Breach Detector combines usability, privacy, and security in one compact application. By leveraging Python and the HaveIBeenPwned API, it provides users with real-time, actionable insights about the strength and safety of their passwords. Unlike many conventional tools, it does not just stop at structural evaluation but extends into historical breach data—making it more robust and forward-thinking. As cyber threats continue to evolve, empowering users with tools like this one is a step toward cultivating better digital habits and enhancing overall cybersecurity awareness. With future enhancements and broader integrations, the project has the potential to serve as a valuable utility for individuals and organizations alike.

Parimal Sangole
Final Year
Computer Science Engineering

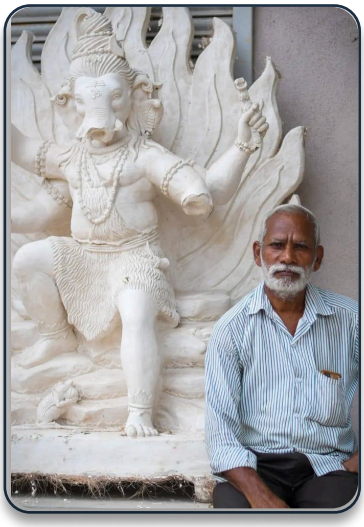

PHOTOGRAPHY
SECTION





Devesh Pawar













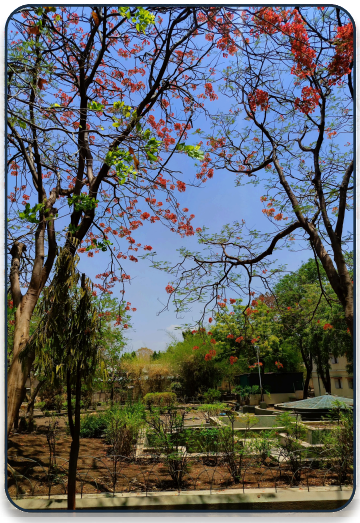
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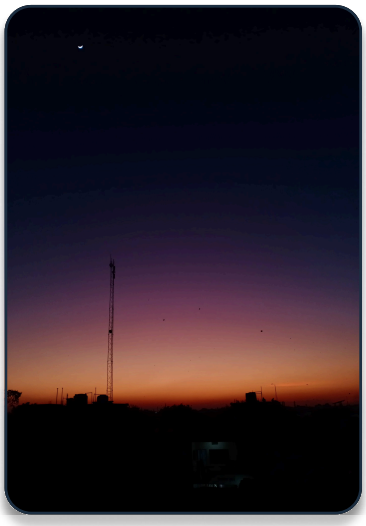







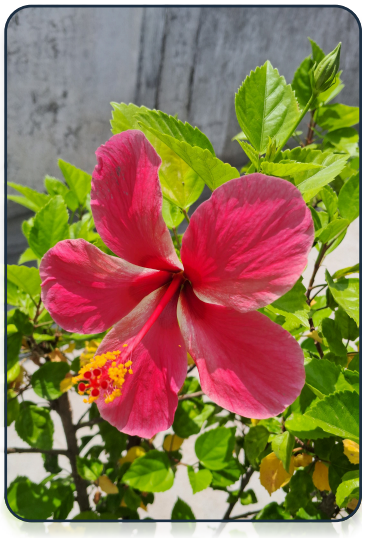
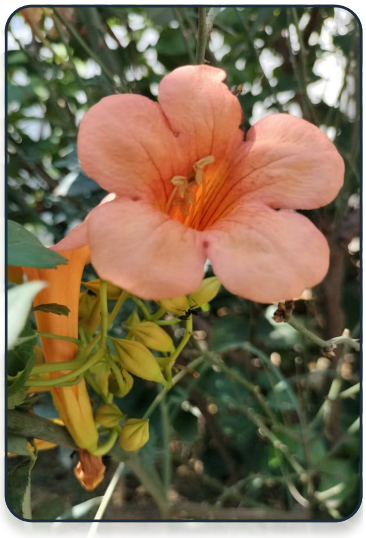
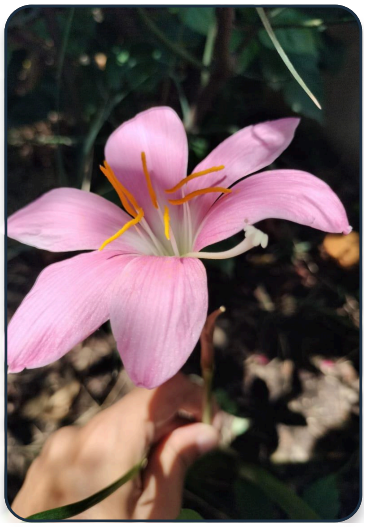

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Nayan Verma







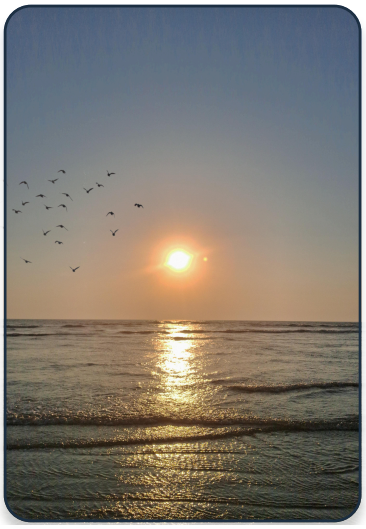
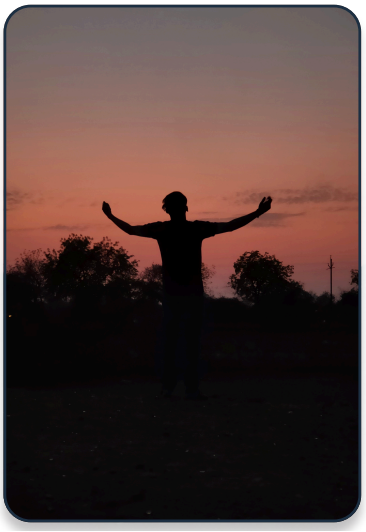


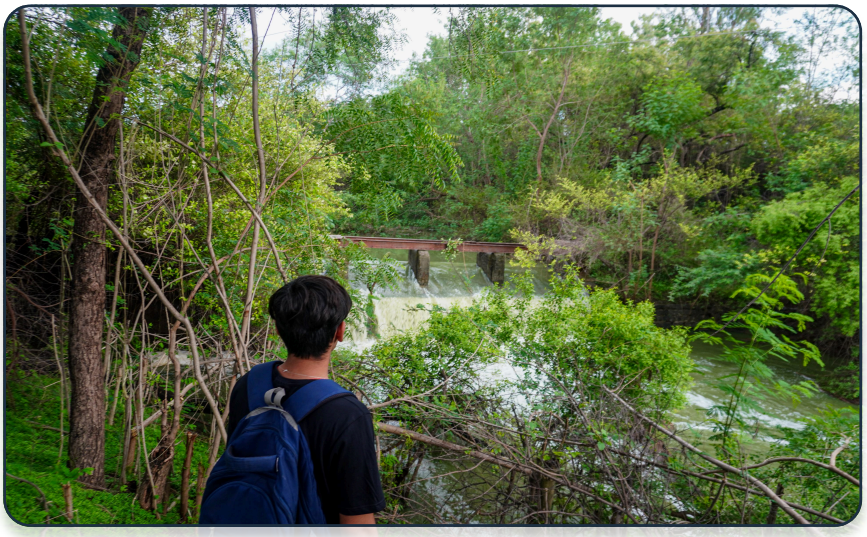


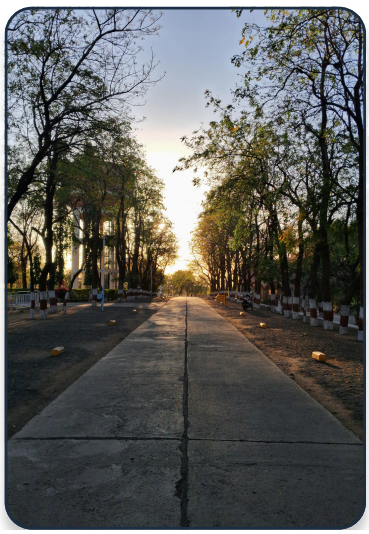




Sandesh Sanap

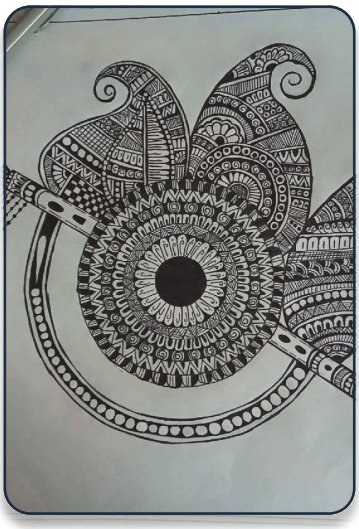




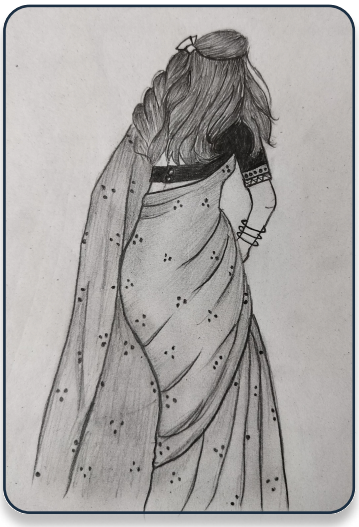
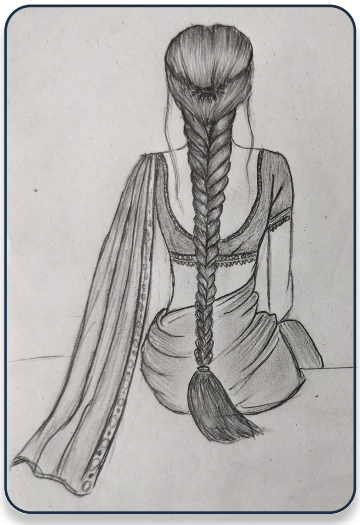
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PAINTING & SKECTHING SECTION



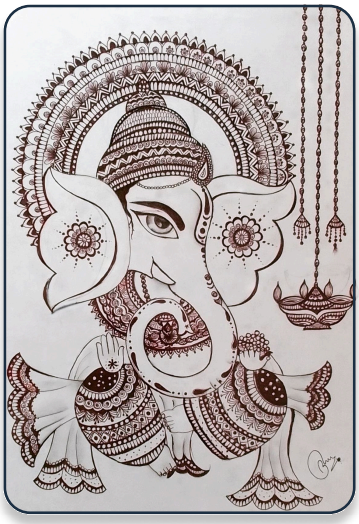




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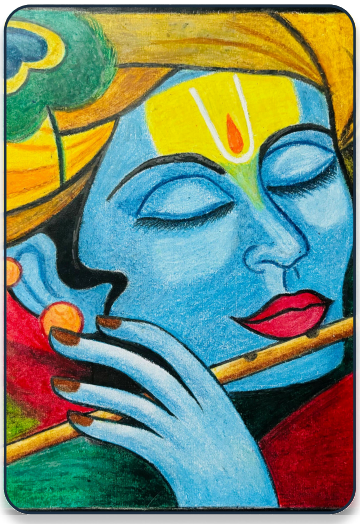
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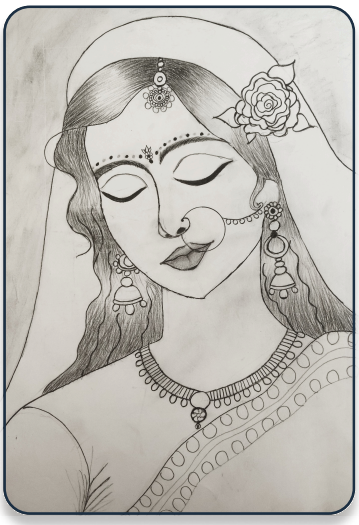
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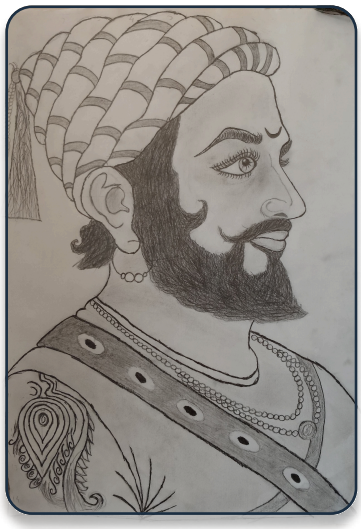
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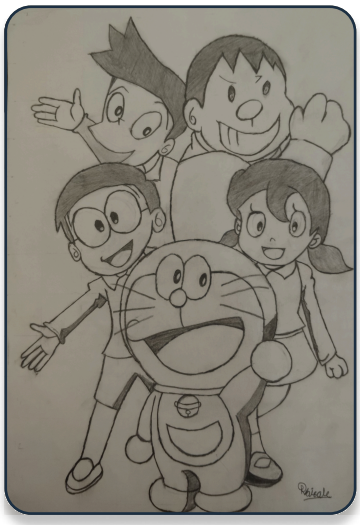




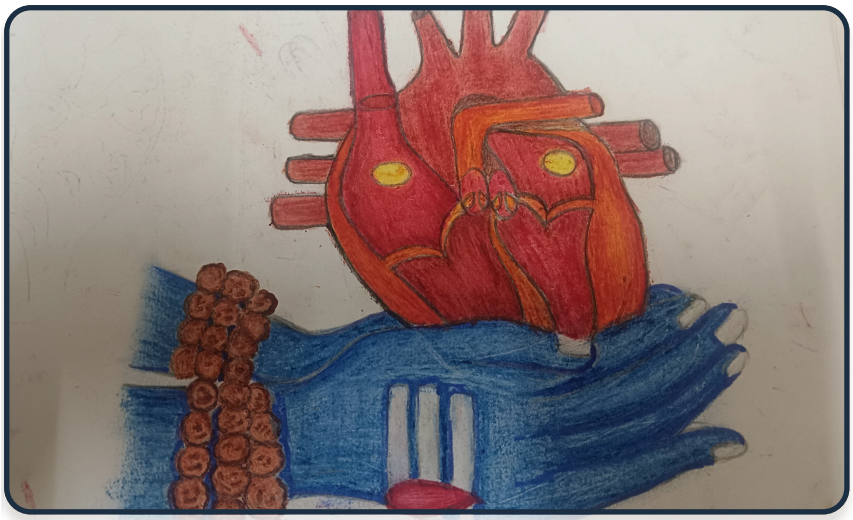
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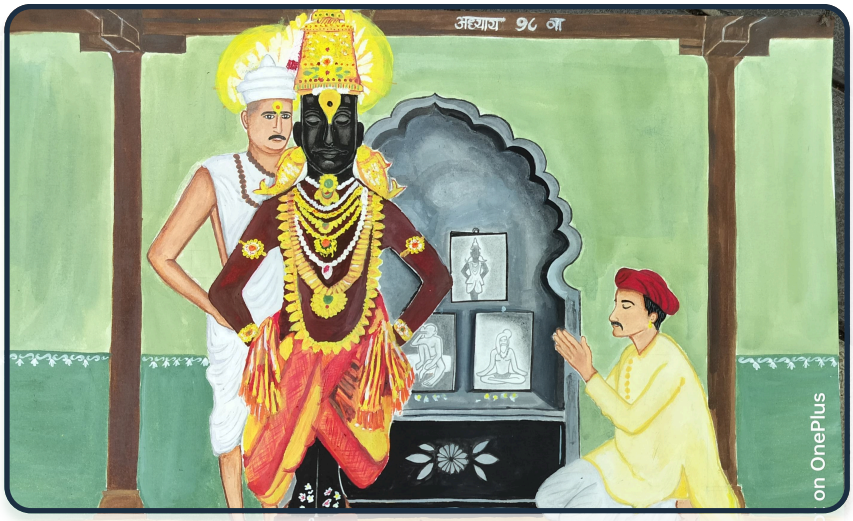


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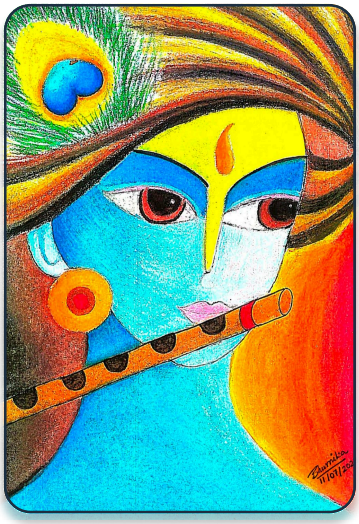


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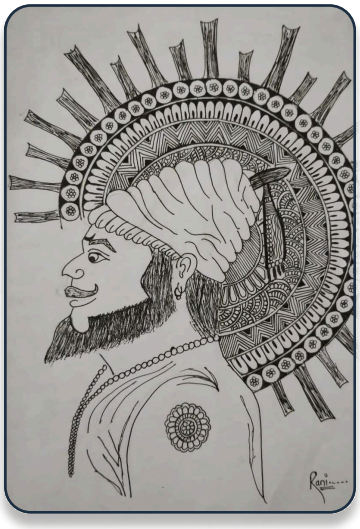
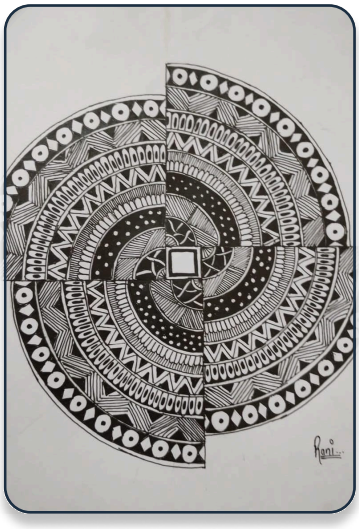
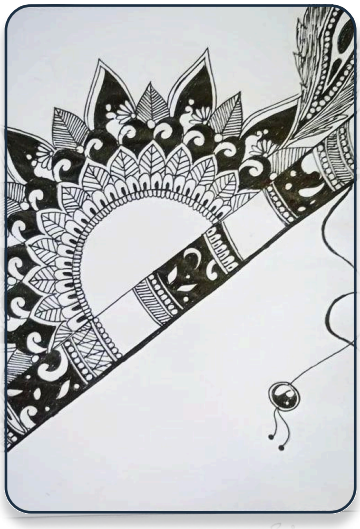
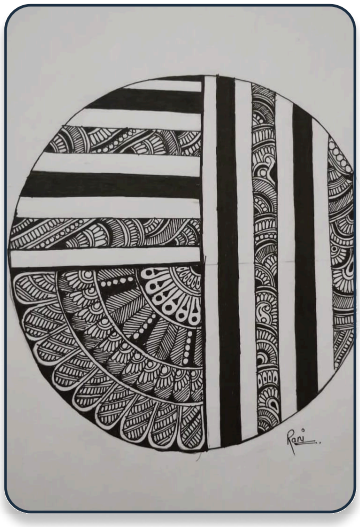
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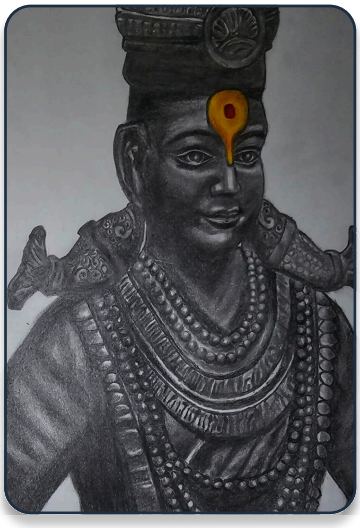
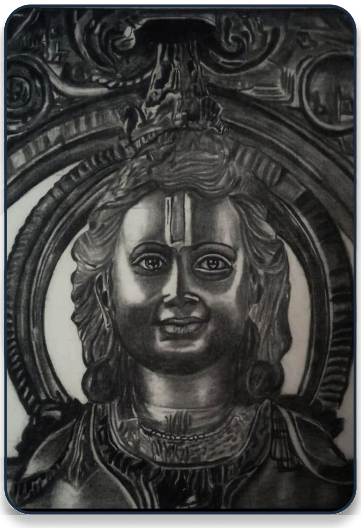


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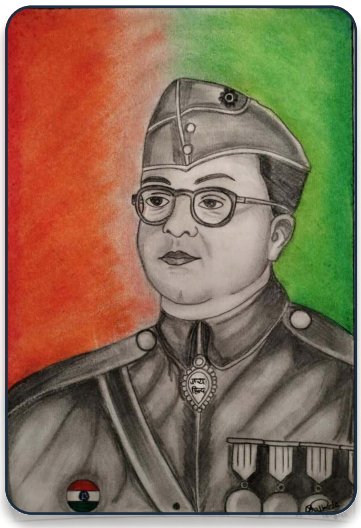





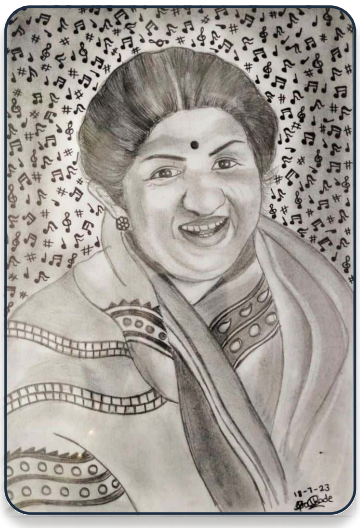


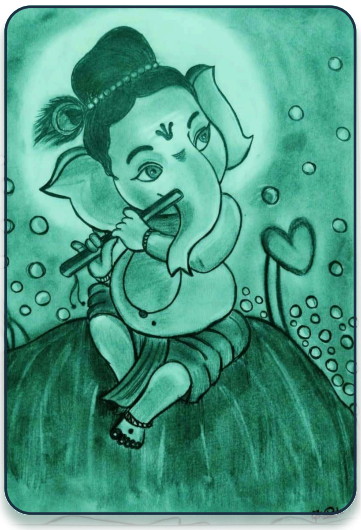
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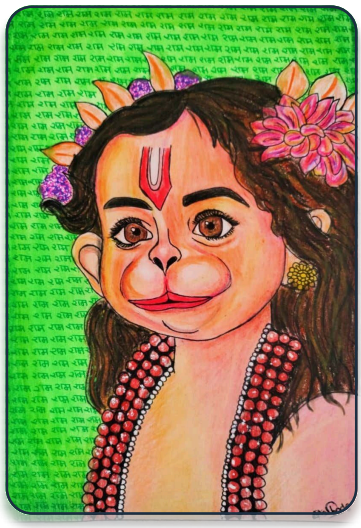

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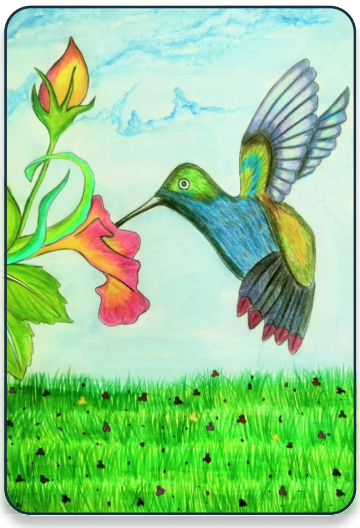


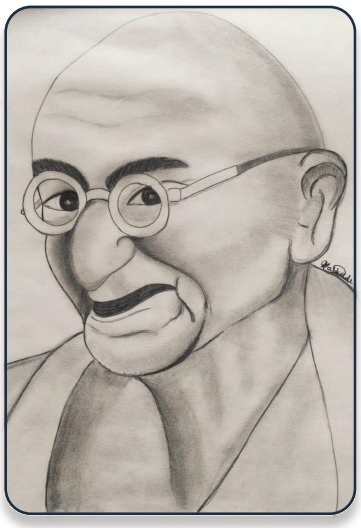






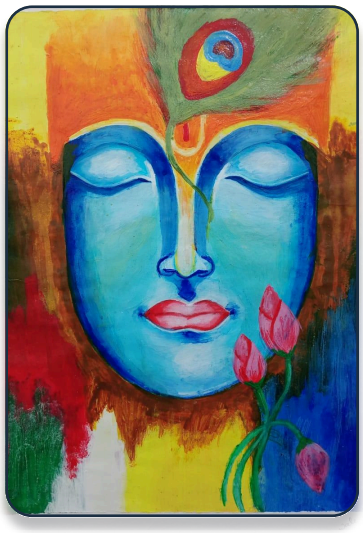
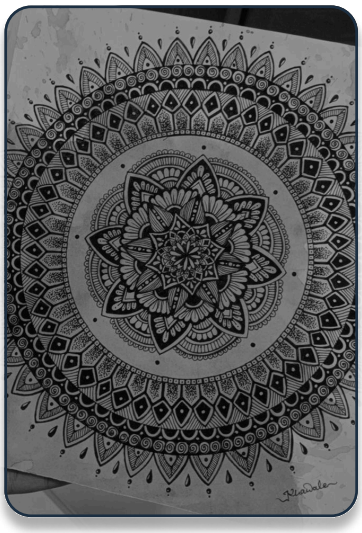


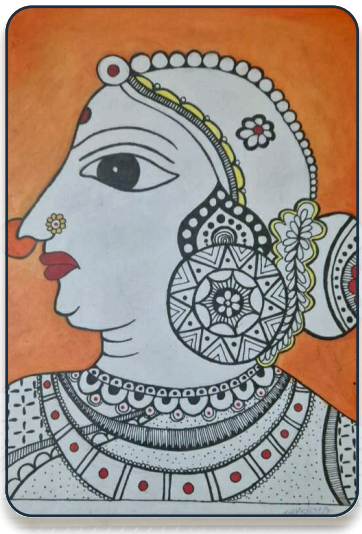


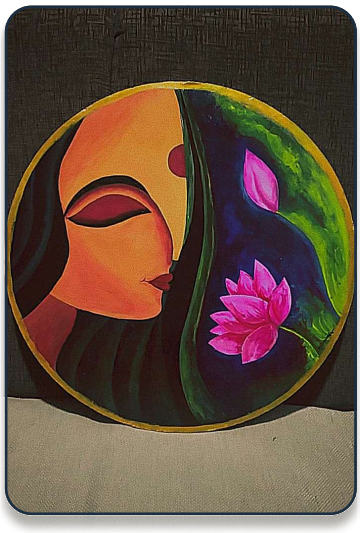
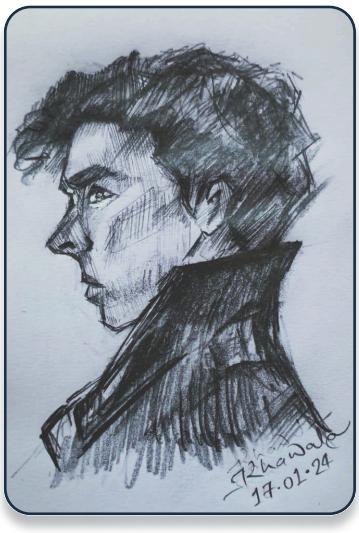


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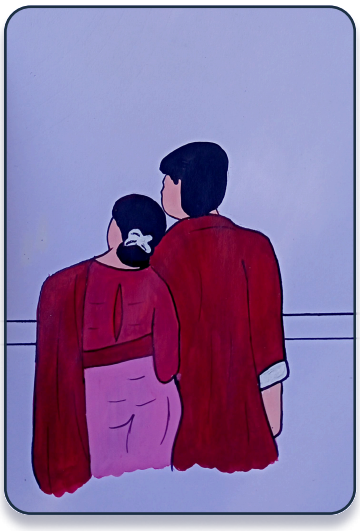




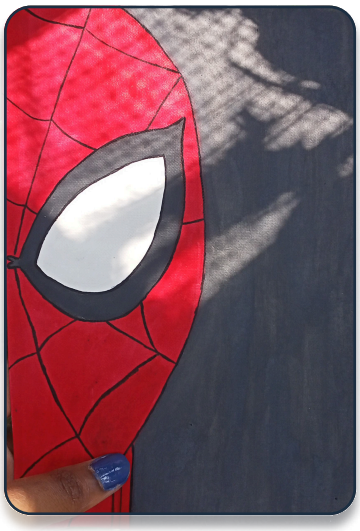
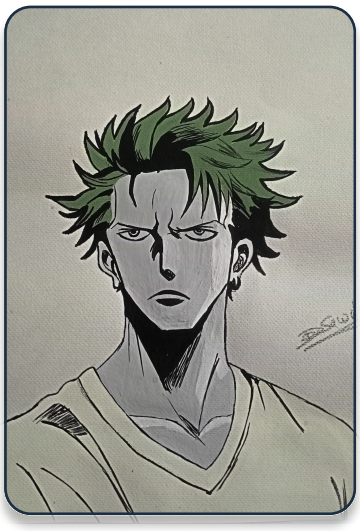
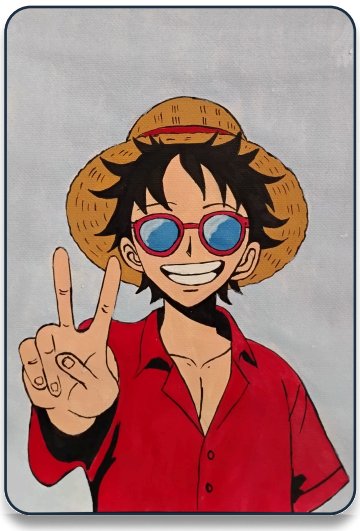



Tanushri Khawale







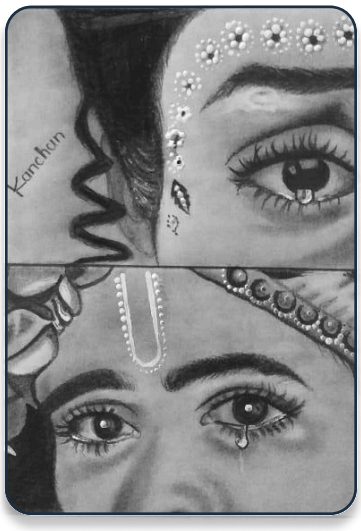
Dipika Sawale

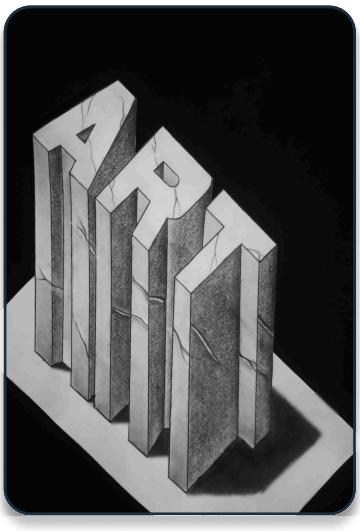
















Kanchan Khond

REPORT SECTION

The Report section presents a comprehensive overview of the academic, cultural, and institutional activities undertaken throughout the year."

ADMINISTRATIVE OFFICE PROFILE-2024-25

For more than four decades, SSGMCE has successfully nurtured young Indians in engineering and managerial professions for the betterment of society and humanity as a whole. The institute is well known for its visionary management, dedicated and devoted faculty, state-of-art infrastructure and discipline. It is also known for all round development of student's personality with distinct value based spiritual environment. SSGMCE is considered as one of the best in the region and it holds the strength to be accountable for the content and quality of education. The institute has its own vision and mission to steer it to become one of the best institute in the region.

The campus environment keeps abreast of the latest advancement in the respective domains and endeavors to develop student scientists of high quality. Graduates from SSGMCE are much sought after by companies in India and many have secured admission in prestigious institutions and companies abroad.

It is the first self-financed engineering college in Vidarbha amongst all colleges of the region to have obtained Accreditation from National Board of Accreditation - NBA in 2001, followed by reacrrediated five times in 2005, 2009, 2013, 2019 & 2022. The institutie was also accreditated by NAAC (National Assessment and Accreditation Council) in 2003, 2010 and re-accredited in 2025 with A+ for five years.

The institute has well equipped Central Administrative Office which covers all the administrative work of all the students and faculty. The Record Keeping of all the students and faculty is well maintained in the Administrative office. For the academic year 2024-2025, 1921 students are on a roll, out of with 862 are girl students. All the Staff, students & their parents/ guardian of SSGMCE are insured under Accidentantal Insurance scheme.

In Summer-2024 Examination conducted by university, 21 students of SSGMCE exceled in University Merit List. The 04 students from ELPO, 08 students from EXTC, 02 students from MECH, 05 Students from CSE, 01 from MBA and 01 from Master of Engineering i.e. Advanced Manufactureing and Mechanical System Desgin were reflected in University merit list. Students of SSGMCE participated in intercollegiate Technical events, sports and co-curricular activities with zeal and enthusiasm and achieved a remarkable performance.

Prof. A. V. Patil
Registrar

DEPARTMENT OF ELECTRICAL ENGINEERING

Department of Electrical Engineering offers a state of art facilities for UG & PG education and research in Electrical Engineering. Department has fourteen highly qualified, experience and dedicated faculty members, 234 students and fourteen supporting staff. To impart the practical knowledge to student department has well equipped laboratories, Advanced Centre of Excellence in Renewable Energy and Electric Mobility.

Electrical Engineering Department has strong bonding with leading Core Industries These Industrial relations facilitate the student for their project work, Hands-on Training, Internships and Placement opportunities. Thirty-five students from final Year BE Electrical (2025 batch) got placement in various reputed industries like ABB Ltd Nashik, Torrent Power Mumbai, Torrent Power Ahmadabad, Schneider Ltd, Vadodara, Adani Electricity Mumbai, FOX Solution Nashik. SCOPE T&M Pune, Infisol Energy Sambhajinagar. Thirty-eight students from third year BE electrical were undergone the Industrial Training at TPSDI, Mumbai in the month of January 2025. Thirty-six students were successfully completed the one-week training on Fuel Cell at TPSDI Shahad, Mumbai.

Ms. Sakshi Sondkar received a Gold Medal for securing first position in the university merit list for summer 2024 examination. Mr. Chetan Ambalkar, Ms. Kalyani Raut & Ms. Gauri Murkar also secure II, III & IV place in university merit list of 2024.

Ms. Jayashri Shetye student of final year BE Electrical is awarded the Colour in TAEKWONDO from SGBAU Amravati for representing university team in Inter-University Tournament held at Guru Nanak Dev University, Amritsar. She also participates in Inter-Collegiate Boxing Competition and secured first place in 57 kg category. Ms. Jayashri Shetye participate in 20th World Pencak Silat Championship during 18-22 December 2024 held at Abu Dhabi. Ms. Amruta Patil Secure first rank in Mehandi competition in Youth festival of SGBAU Amravati. Ms. Abhishek Banait & Mr. Om Adhau completed their paid internship in the reputed organization FOX Solutions Nashik & Zoho Corporation Nagpur respectively. Mr. Kunal Pisudde, Manthan Kolte, Rushikesh Payghan & Pranav Harne from third year and Nivrutti Raut from second year BE Electrical won the first/second prizes in national level project competition held at various reputed institutes for their Drone project. They also won the cash prizes of around eighty thousand rupees for their project. Mr. Dipak Ingle from third year and Mr. Soham Ambekar from second year BE won the first prize of rupees the thousand for his project at V B Kolte COE Malkapur, Students from electrical department were participated at university level sports events, project competitions and cultural events like Yuth Festival, Kalarang 2025.

Department of Electrical Engineering received the Distribution transformer cut section model from our ALUMNI Mr. Rahul Chordiya (2010 Batch). Power Linkers Ltd Mumbai, donated Relay testing kits for our lab upgradation. Dr. S. R. Paraskar is selected as a subject expert in the RRC committee of Electrical Engg at Savitribai Phule Pune University. Dr. S R Paraskar & Mr. V S Karale granted a copyright for their project. Mr. G N Bonde Sir, received first prize in the district level project competition of AAVISHKAR 2024" organised by SGBAU Amravati.

Mr. R S Kankale Sir successfully completed his PhD degree in Electrical Engineering from SGBAU Amravati in the month of July 2024. The faculty members of department published six research papers in various reputed International Journals and five in Conferences and published one Book chapters. They also participated in twelve AICTE/ISTE approved online FDPs, STTPs and Workshops to upgrade their domain knowledge and life-long skills.

Departmental Student chapter of Institution of Engineers (India) organized four expert lectures from the eminent personalities from Industries and senior Alumni on Emerging topics and two hands on training/workshops and two Industrial visits to improve the technical knowledge and update the students with recent developments in the field of electrical engineering as well as to aware them about carrier opportunities.

Dr. S. R. Paraskar
Head
Electrical Engineering

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

In the session 2024-25, the results of the CSE department were up to the mark, and five of our UG students—Ms. Dyaneshwari Chatarkar, Sneha Khatke, Riya Dangra, Surbhi Lahoti, and Mayur Shataskar—were placed in merit positions at the University Level Examination. The PG students' results were also commendable. During the same session, we successfully placed 24 students in multinational companies, and the placement process is still ongoing for the remaining students. A total of 36 students completed internships with various multinational companies, receiving attractive stipends. Additionally, 559 students registered for NPTEL/MOOCs courses, and 258 of them completed the courses and received certifications.

From the CSE Final Year, students Sakshi Nimbolkar and Gayatri Deshmukh won First Prize for their project, while Piyush Arogya and Anikesh Gadekar secured the First Position, and Krishna Kolekar and Samrath Zamare achieved Third Position for their project “HireAI.” These students demonstrated exceptional talent at the District Level Aviskar Project Competition held on 25th October 2024 at Rajashri Shahu College of Pharmacy, Buldhana. A One-Day Faculty Development Program was conducted on 11th January 2025 in coordination with the R&D Cell and CSE Department on the topic “Intellectual Property Rights,” under the guidance of Resource Person Dr. P. Williams from Pune. Furthermore, a Two-Day Faculty Development Program was conducted on 17th and 18th January 2025 in coordination with the IQAC and CSE Department on the topic “Outcome Based Education and Quality Approach in Education,” under the guidance of Resource Persons Dr. A. R. Bhagat and Prof. Vilas D. Algadeve from YCCE College, Nagpur.

An online session was also arranged on 11th January 2025 for final-year students on the topic “Space Science and Technology: An Interdisciplinary Research,” with the resource person being our alumni Ms. Gargi Tela, a Ph.D. scholar at IIT Jodhpur under IDRP Space Science and Technology. Four of our faculty members published books on various topics through different publishers. Dr. J. M. Patil, HOD of CSE, published the book “TEXTBOOK OF QUALITY ASSURANCE” with Shaswat Publication. Dr. N. M. Kandoi published a book on AI-Driven Healthcare with Vinisha Publication, while Prof. V. S. Mahalle and Prof. C. M. Mankar co-authored a book titled “Cyber Security,” published by REST Publishers.

During this session, a total of 4 patents and 9 research papers were published by our faculty members. Dr. Rupali A. Zamare received the “Best Paper Presentation Award” at the 4th International Conference on ICT in Business, Industry, and Government (ICTBIG 2024), organized by Symbiosis University of Applied Sciences, Indore, on 13th and 14th December 2024. One of our faculty members was also honored with the “Best Researcher Award” at the International Conference on Data Analytics and Artificial Intelligence (ICDAAI 2024) held on 30th–31st August 2024, organized by REST Labs and the REST Society for Research International in Kaveripattinam, Krishnagiri, Tamil Nadu, India.

Additionally, Prof. S. B. Pagrut was awarded the title of “Wipro Certified Faculty” in Database Solutions Expertise, and Prof. Ms. K. P. Sable successfully completed the Wipro Certified Faculty Training Program from 7th October to 25th October 2024.

Our HOD and all faculty members are actively working and providing guidance to students for placement in various companies, and the placement process is still ongoing for the remaining students.

Dr. J. M. Patil
Head
Computer Science & Engineering

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

The Department of Electronics and Telecommunication Engineering is a prominent part of the college, distinguished by its highly qualified faculty, trained laboratory assistants, supportive staff, and disciplined students. The department offers Bachelor of Engineering (BE), Master of Engineering (ME), and Doctor of Philosophy (PhD) degrees with a comprehensive educational framework. The department comprises 23 faculty members, 5 laboratory assistants, office support staff, and 9 attendants. It currently has 447 students enrolled in undergraduate second, third, and fourth years, along with ME students, and 10 PhD scholars. All laboratories in the department are recognized by the university for research purposes.

Currently, 11 faculty members hold PhD degrees in engineering from reputed institutions in India (such as IITs, NITs, and universities). Additionally, 9 faculty members are pursuing their PhDs, while 3 others hold ME/MTech degrees. The department has previously received special recognition five times from the National Board of Accreditation (NBA), Delhi, and is currently accredited for six years (2019–2025). This academic year, the department has also been awarded an "A+" grade by the National Assessment and Accreditation Council (NAAC).

Faculty members of the department actively contribute to various roles at the college level, such as Deans (Academic and Examinations), and lead student and teacher chapters of IEEE and ISTE. They also manage systems like EPABX and PA systems and engage with alumni networks. The department received a generous contribution of ₹22,84,224 from alumni to establish an AI-ML (Artificial Intelligence and Machine Learning) laboratory named "YOGIJIDIGI".

During the academic year 2024–25, the department organized numerous seminars, discussions, and skill development programs for students, faculty, and non-teaching staff through both virtual (online) and physical modes. Students from the department participated in competitive exams such as GATE, CAT, and others. Last year, research papers were published in national and international journals, and 45 students undertook internships at various companies.

Students from the department excelled in engineering and technology competitions. This year, fourth-year students secured the second prize in the university-level "Avishkar 2024" innovation contest, and their projects were selected for state-level exhibitions. Additionally, 17 final-year students have been placed in national and international companies for the 2024–25 academic year, with placement processes ongoing for others.

Final-year students are actively engaged in innovative and interdisciplinary research projects under expert faculty guidance, showcasing their skills across diverse fields. The department maintained its tradition of academic excellence, with 8 students graduating with distinction and an overall pass percentage of 93.2% in 2024–25.

The department organized 10 workshops and training programs virtually and on-site, involving students, faculty, and staff. Proposals for grants have been submitted to the All India Council for Technical Education (AICTE) and MSME. Senior faculty members have delivered lectures and served as expert evaluators at reputed institutions and national/international conferences, bringing pride to the department and institution. The department remains committed to the holistic development of students' academic, social, and ethical growth.

The department acknowledges the invaluable guidance of the Honorable Chairman, CEO, and all board members of Shri Gajanan Shikshan Sanstha. Their support encourages continuous academic progress for faculty, students, and staff, contributing to societal upliftment. Every student educated here continues to achieve progressive success in their lives.



Dr. D. D. Nawgaje
Head
Electronics and Telecommunication Engineering

DEPARTMENT OF MECHANICAL ENGINEERING

The Mechanical engineering department has unique facilities such as Internal Combustion Engine Lab, Mechanics of Material Lab, Fluid Power Lab, Energy Conversion Lab, Theory of Machine Lab, Heat Transfer Lab, Engineering Mechanics Lab, Engineering Graphics Lab, Refrigeration & Air Conditioning Lab, CAD/CAM Center, Production Technology Lab, Measurement System Lab, Engineering Metallurgy Lab, Robotics & Mechatronics Lab, Experimental Stress Analysis Lab, Seminar Hall, Sant Gajanan Tool Room, CNC Centre, Advance Welding Centre, and many more. Department has 16 faculty members (07 Ph.Ds) and 20 supporting staff members.

Around 56 students (approx. 85%) from final year got placed in various reputed industries. The Mechanical Engineering department always strives for all around development of the students by carrying out various curricular and extracurricular activities.

Programs organized by Department:

S.N.	Name of The Speaker	Topic of Lecture	Date & Venue	Number of Participants
01	Dr. Atul Wadegaonkar, MD, RKCL, Jaipur	Improving Teaching-(L)earning & Assessment Outcome through ICT Intervention	27/07/2024	42
02	Mr. Ram Thakkar Company Secretaries, Akola	Lean Start-up & Minimum Viable Product/Business	21/08/2024	42
03	Mr. Rahul Surwade Lead System Engineer, Forvia Hella, Germany	Career Opportunities in Germany	16/11/2024	62
04	Mr. Kamlesh Pande Formal VP, Thermax India (R&D)	Changing Gears to Succeed in Industry	04/12/2024	67
05	Dr. Shrikant Kallurkar Founder & CEO, Level Up, Pune	Passion to Profession	15/01/2025	59
06	Mr. Shivprasad Z. Jaju CEO, Pawan Group Sambhajinagar	Time & Team	28/01/2025	66
07	Mr Abhishek Channewar Thermal Development Engineer, LENOVO, New York, USA	Specializations in Mechanical Engg. and Its Future Perspectives	18/02/2025	65
08	Dr. A.S. Dhoble & Dr. S. Bhakre Associate Professor, VNIT, Nagpur	Testing of Electrical Vehicle and Their Batteries	24/03/2025	57

Dr. S. P. Trikal
Head
Mechanical Engineering

DEPARTMENT OF INFORMATION TECHNOLOGY

As of today, in the department of Information Technology we have a total of 09 faculties working. The Result Analysis of Summer-2024 of Final Year Information Technology was 99%. 12 Students of B.E. Final year of the department are placed in 13 different companies and 62 students are pipeline for the placement.

Event under ITSA:

1) BRAINIAC 2K24 Date:28th & 29th September 2024, Number of Participants: 140

2) Session on "Freelancing with Social Media" Date: 06th October 2024, Number of Participants: 80.

3) Expert Talk on "Speak to Inspire on "Setting a Career in the IT Industry After Engineering" By Dr. Yogesh Murarka, Senior Computer Scientist at Adobe, Bengaluru, Karnataka, India, Date: 10th October 2024, Number of Participants: 55

4) Expert Talk on "MATTER PROTOCOL: Revolutionizing the Internet of Things (IOT) with Open Standards" By Mr. Nitish Bhawarkar Senior Software Engineer NCPL Pune, Date: 01st February 2025, Number of Participants: 21

5) Kaun Banega Codepati in pursuit 2025, Date: 07th March 2025, Number of Participants: 40

6) Workshop on "Shadow Hackers & Dark Web " By Ms Riya Dangra Software Engineer ApexaiQ, Date: 08th March 2025, Number of Participants: 58

7) Workshop on Generative AI" collaboration with Think Quotient Pvt. Ltd., Pune

Date: 08th April 2025, Number of Participants: 18.

ACM Student Chapter Activities :

1. A National Summer School on "Web Development - 40 Hours Course" by Mr. Ketan Pachpande (M. Tech-IT), Sr Site Reliability Engineer, Veritas Technologies LLC, Pune, M.S., India from 17th to 21st July 2024, 49 students benefited.

2. Two-Days Cybersecurity Bootcamp "Hack & Defend" by Mr. Dhruv Gadewar and Harshal Chinchole on 19th & 20th October 2024, 31 students benefited.

3. Dr. S. D. Padiya (Faculty Sponsor), Mr. Prajwal Kunte (Chairperson), and Mr. Harshal Chinchole (Vice-Chairperson) participated in ACM India Chapter Summit 2024 at BMSCE & RVCE, Bangaluru on the 20th & 21st December 2024.

4. A Workshop on "Generative-AI & ML" under a National Level Technical Symposium "Pursuit-2025" by Mr. Nakul Deshmukh, Senior Software Developer & Trainer, iBase Electrosoft LLP., on 1st March 2025, 40 students benefited.

5. A National Level E-Gaming Event "Smash Kart" National Level Technical Symposium "Pursuit-2025" held on 8th March 2025; 16 Teams (64 members) participated.

Internship : This year 45 students have completed their internships from 23 different companies.

Lighthouse : Total 8 Student's ((1) Mr. Rushikeshh Borkar 2) Ms. Krima Agrawal 3) Ms. Smruti Gangane 4) Ms. Nidhi Agrawal 5) Mr. Prem Survyanshi 6) Ms. Apruva Kulkarni 7) Mr. Gaurav Kapale 8) Gaurav Dhale)) has received internship from onesmarter, Inc under project Lighthouse.

Sponsored Project : This year students received 04 Project Sponsorship: 1) Janta Services Web Application 2) Pharmaregtech Private Limited, Wardha 3) Laxmi Glass and Plywood, Shegaon 4) Humanity Club, Shegaon.

Event under Mozila club :

1) Event on “Introduction to Hacktoberfest” by IT Alumini Amit Molke under mozilla community to aware students about the Hacktoberfest. Total 31 students attended the session Date:21/09/2025.

2) Session on “Take Takeoff: A Roadmap to cutting-Edge Technologies” organised under mozilla community total 132 students attended the session Date:06/10/2024

4) Workshop on “Hacktoberfest” complete participation in hacktoberfest a mega open source event in which all the inspired developer worldwide contributes in it online total 51 students participated in the workshop. Date: 09/10/2025.

5) A workshop “"Build Solo" organised by mozilla community in Pursuit 2025 by Mr. Pratap Shukla CEO at Take it Idea Pvt ltd Nagpur total 71 students participated in the workshop. Date:02/03/2025.

GDSC Activities :

Our GDSC chapter achieved tier 1 in the very first event, Google Cloud Study Jams, setting a milestone among other GDSC chapters in India. This achievement showcased our dedication and competence in cloud technologies. Additionally, we conducted AIML and Android Dev workshops, receiving an overwhelmingly positive response from participants, which further solidified our position as a leading GDSC chapter.

In the Google Solution Challenge, teams from our college were selected based on their projects by Google itself, highlighting the caliber of talent and innovation within our community. This recognition not only reflects the hard work of our members but also emphasizes our commitment to fostering impactful projects.

Looking forward, our goals include organizing an event for the prestigious Google Summer of Code, providing knowledge to students to contribute to open-source projects, and implementing a GDSC lead training program to nurture leadership skills among our members. These initiatives align with our mission to empower students with valuable opportunities and resources in the tech industry.

Event under GDSC:

1. Kickstart Your AI Journey at the Google Cloud Gen AI Study Jam Date: 6th Oct.2024, Participants: 55
2. Gen AI Campaign, Date:20th October 2024, Participants:40
3. GDG’s Virtual Web Development Workshop, Date: 29th December 2024, Participants:60
4. Hack Your Career: Unlock Off- Campus Success by Mr. Abhishek Patil, Date:09th March 2025, Participants:45
5. AI/ML Hands-on Experience by Saurabh Gaikkwad, Date:27th March 2025, Participants:48

Dr. A. S. Manekar
Head
Information Technology

DEPARTMENT OF APPLIED SCIENCES AND HUMANITIES

All the seats for the B.E first year have been filled through MH-CET. The pass percentage for the students declared in the Summer 2023 session is 63%. Every year the faculty members of the department participate in the training programs, workshops, seminars and conferences organized at the national and international level and present research papers. During the academic year 2023-24, Prof. H.S. Patil, Prof. S. V. Bhagat and Dr. A.S. Tale presented research papers in national and international conferences.

Currently, four faculty members are pursuing Ph.D. All the faculty members in the department attend online national/international level conferences, seminars, HTTPS & Online Courses and students are also doing the NPTEL course. The induction program was conducted from 13 September 2024 to 25 September 2024 for First year students.

The college runs Japanese, German and French language classes for the students. Every year 30-35 students pursue these languages. Similarly, every year a welcome function, spiritual and educational lectures, science world, guest lectures, industry visit, fresher's day and various educational programs are organized for the students. First year students always participate in sports and inter-collegiate youth fests, competitive examinations and other activities held within the university.

Dr. A. S. Tale
Head
Applied Sciences and Humanities

DEPARTMENT OF BUSINESS ADMINISTRATION AND RESEARCH

The Department of Business Administration and Research achieved 100% admissions through the centralized admission process. An orientation program, as prescribed by AICTE, was organized for the new batch, in which renowned personalities from industry and academia were invited. The department was awarded A+ grade by Career 360 magazine in the 'India's Best B-Schools 2025' survey. Consequently, the department ranked among the top MBA institutes in the country—108th in India, 35th in Maharashtra, 41st in the western region according to IIRF 2024, and 237th in the Business Today B-School survey. Twenty three students have been placed so far in organizations like ESAF, IndiaMart, D'Mart, HFFC, Kidara, Kalash Seeds, DCB, Motilal Oswal, Shriram Finance, Vostok Industries, Daikin, Krutanic etc. Other placements are in process. .

Through the Institute Innovation Council (IIC), several events/workshops/discussions on 'Innovation and Entrepreneurship' were organized. Guest talks were organized under BARSA. Prof. Manojkumar Mishra, Mr. Vishal Mihani, Mr. Madhukar Bhurle, and Mr. Soham Belokar. Speakers such as Sapna Bhadresha from Pure Health, Dubai; Mr. Chirag Lasod, Head of Jain Exports, Neemuch, Madhya Pradesh; Mr. Rajesh Jadhav, Owner of Surya Consumer Products, Buldhana; Mr. Soham Belokar, Field Officer, Pokra (Climate Resilient Agriculture Project); and Mr. Avhez Sheikh, Senior Executive, HR, Vivaldis Foods and Health Ltd., Pune, Mr. Shekhar Rajguru, Entrepreneur, Nashik, Mr. Gagan Sharma, Shrikrushna Wadodkar, Entrepreneurs, Mrs. Mayuri More, M.S., USA. Shegaon, guided students on various contemporary topics.

Last year, three Memorandums of Understanding (MoUs) were signed with organizations like Circular Angle, Bajaj Finserv, and Kalash Seeds for various initiatives. All faculty members and students of the department published research papers in national and international conferences &s journals. Dr. Bilal Hussain and Prof. Vishal Patil published their research in ABDC and UGC Care journals. Dr. Pavan Kuchar submitted a proposal for AICTE ATAL FDP. Dr. H.M. Jha "Bidyarthi" and Dr. Satyamohan Mishra were selected as SEBI resource persons. Dr. Jha also contributed as a guest speaker at the UGC-Malaviya Mission Teacher Training Centre, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh. Dr. Mayur Dande, Dr. Pavan Kuchar, and Dr. Satya Mohan Mishra have sent a proposal under Textbook and Course Material Program, Indian Knowledge System Division (AICTE). Dr. Bilal Husain wrote and published a book titled “Foundational Hypothesis Testing” which is available on Amazon. Dr. Mayur Dande was honored by IGI Publishers, USA, for his contributions as a researcher, reviewer, and editor; he also received “Champion Blood Donor Award” for donating blood 25 times.

Three first-year MBA student projects (by Gayatri Deshmukh, Mayuri Hirulkar, Hemant Sonawane, Ankit Mahure, and Rohit Shirsath) on issues like solid waste management, agricultural innovation, and rape prevention were recognized at the district level in the 'Avishkar' competition and selected for the next round at the university level. One of these projects led to Gayatri Deshmukh being selected for the state-level competition at Dr. Babasaheb Technological University, Lonere (She represented SGBAU). She also won first prize in paper presentation at PRMITR, Badnera with cash prize of Rs. 3000. MBA second-year student Shruti Auti secured a position in the university merit list. Around 1050 students participated in seven events of Parishkriti 2025 wherein total sponsorship amount was Rs. 35,000. The Business Administration and Research Students Association organized various events and skill development activities such as extempore speeches, group discussions, debates, quizzes, and case study analyses for the overall development of students. Study visits were conducted to Reliance Mart, Brahmakumari Center, and Avishkar Social, Cultural, and Specially Abled Institution, Shegaon. These activities are part of the department's experiential teaching-learning methodology. The department continues its journey under the guidance of the respected Principal and Management.

Dr. P. M. Kuchar
Head
Department of Business Administration and Reasearch

TRAINING AND PLACEMENT CELL

The Training and Placement Cell of our institution organized a focused Campus Recruitment Initiative aimed at enhancing students' employability and preparing them for industry requirements. This initiative covered essential areas including soft skills, technical training, aptitude development, internships, projects, and placement drives.

The program began with soft skills sessions conducted by expert trainers, focusing on communication, group discussions, interview techniques, and professional behavior. These sessions helped students build confidence and improve their overall presentation in recruitment scenarios.

Next, technical sessions were conducted by industry professionals to bridge the gap between academic knowledge and practical industry needs. Students received exposure to current technologies such as AI, cloud computing, data science, and domain-specific tools, which enriched their technical competencies.

To strengthen core assessment skills, dedicated aptitude and verbal ability training sessions were organized. These included practice on logical reasoning, quantitative aptitude, and English comprehension, along with mock tests and feedback for continuous improvement.

The initiative also supported students in securing internship opportunities in reputed organizations, offering hands-on experience and a better understanding of professional work environments. Simultaneously, students were guided on executing academic and industry-relevant projects, fostering innovation and problem-solving skills.

Finally, a series of placement drives were held, featuring participation from leading companies across sectors. The Training and Placement Cell coordinated the entire process, including pre-placement talks, assessments, interviews, and post-offer assistance. Many students received job offers, marking the success of this initiative.

In summary, the Campus Recruitment Initiative provided a structured path for students to transition smoothly from academics to professional careers, strengthening their skills, confidence, and readiness for future challenges.

Prof. A. B. Solanke
Training & Placement Officer

IEEE STUDENTS' BRANCH

IEEE students Branch organized a Canva workshop to design certificate, presentation, resume, poster for IEEE students on 03rd August 2024.

IEEE students Branch organized a workshop on calculator "Chasing Calsi" on 02nd October, 2024 for first year students. Total 183 students participated and understand how to use calculator for engineering and scientific calc ulations.Robotics and Automation Society Chapter and IEEE students Branch organized two Days Workshop on "Robo Craft Workshop" on 19th and 20th October 2024. Total 65 students participated and successfully completed the hand-on workshop. Dr. Pramod Chopde delivered expert talk on, "Seven Must Have Traits for Building a Successful Engineering Career", on 06th Dec. 2024. This event coordinated by IEEE Student branch for second and third year students. Total 65 students attended the event. IEEE students Branch in collaboration with T & P department organized a workshop on, "Design Thinking Meets Technology: A Hands on workshop with CADENCE" on 28- Dec to 07 Jan.2025 for final year students. Total 58 students participated in the workshop and it helps the student for selection in Cadence Company as an intern cum Trainee Engineer.IEEE students Branch organized a workshop on, "PCB Design" on 11-12 Jan.2025 for third year students. Total 44 students participated in the workshop and it helps the student for selection in Zoho Company as an intern.IEEE WIE Affinity Group conducted Guest Lecture on "Wellness Her Way" by Dr. Mrs. Agrawal, on 16th January 2025 at Chincholi. Total 40 students are benefited in this event.IEEE students Branch organized a STEM workshop on Automation Awareness for school students at Chincholi on 16th January 2025. 50 Students from Zila Parishad School Chincholi participated and learn the basics of automation through electronics components.IEEE students Branch and IEEE Bombay Section conducted, "TECHNOVATION-2025" in Pursuit-25 on 07th March 2025. This event is technically sponsored by IEEE Bombay section. Total 137 students (37 groups) participated from various districts of Maharashtra.IEEE students Branch organized a workshop on, "Digital Design using Verilog" on 07-11 Apr.2025 for second and third year students. Total 27 students participated in the workshop and it helps the student for preparation in VLSI domain.

Prof. V. K. Bhangadiya
Faculty Advisor, IEEE

ISTE STUDENTS' BRANCH

IEEE students Branch organized a Canva workshop to design certificate, presentation, resume, poster for IEEE students on 03rd August 2024.

IEEE students Branch organized a workshop on calculator "Chasing Calsi" on 02nd October, 2024 for first year students. Total 183 students participated and understand how to use calculator for engineering and scientific calc ulations.Robotics and Automation Society Chapter and IEEE students Branch organized two Days Workshop on "Robo Craft Workshop" on 19th and 20th October 2024. Total 65 students participated and successfully completed the hand-on workshop. Dr. Pramod Chopde delivered expert talk on, "Seven Must Have Traits for Building a Successful Engineering Career", on 06th Dec. 2024. This event coordinated by IEEE Student branch for second and third year students. Total 65 students attended the event. IEEE students Branch in collaboration with T & P department organized a workshop on, "Design Thinking Meets Technology: A Hands on workshop with CADENCE" on 28- Dec to 07 Jan.2025 for final year students. Total 58 students participated in the workshop and it helps the student for selection in Cadence Company as an intern cum Trainee Engineer.IEEE students Branch organized a workshop on, "PCB Design" on 11-12 Jan.2025 for third year students. Total 44 students participated in the workshop and it helps the student for selection in Zoho Company as an intern.IEEE WIE Affinity Group conducted Guest Lecture on "Wellness Her Way" by Dr. Mrs. Agrawal, on 16th January 2025 at Chincholi. Total 40 students are benefited in this event.IEEE students Branch organized a STEM workshop on Automation Awareness for school students at Chincholi on 16th January 2025. 50 Students from Zila Parishad School Chincholi participated and learn the basics of automation through electronics components.IEEE students Branch and IEEE Bombay Section conducted, "TECHNOVATION-2025" in Pursuit-25 on 07th March 2025. This event is technically sponsored by IEEE Bombay section. Total 137 students (37 groups) participated from various districts of Maharashtra.IEEE students Branch organized a workshop on, "Digital Design using Verilog" on 07-11 Apr.2025 for second and third year students. Total 27 students participated in the workshop and it helps the student for preparation in VLSI domain.

Prof. H. B. Patil
Faculty Advisor, ISTE

PURSUIT

Shri Sant Gajanan Maharaj College of Engineering, Shegaon organized a national level technical symposium, Pursuit 2025, on 7th and 8th March 2025. The aim of this symposium was to provide a platform for engineering students from various colleges to showcase their talents and skills. The event witnessed a participation of more than 1500 students, who actively took part in 10 different technical events and 10 skill development workshops. Pursuit 2025 was a grand success, attracting students with a competitive spirit to showcase their achievements and accomplishments.

The technical events included Juniors Jam (CSE DEPT), Kaun Banega Codepati (IT DEPT), IPL Auction (EE DEPT), Debug & Dominate (ACM), E-Gaming-Free fire (ME DEPT), ASSULYM-BGMI (EXTC DEPT), Roadies 2.0 (E-CELL), Technovation (IEEE), Build Solo (Mozilla Community), Takeshi Castle (ISTE) organized by different chapters like IEEE, ISTE, IEI-Electrical, IEI-Mechanical, ACM, Mozilla Club, Electronics and Telecommunication, Information Technology, and Computer Science and Engineering student chapters.

The workshops included Nirmiti-elite, Shadow Hackers: Exploring the Dark Web & Cyber Defense, Robozon, Generative –AI and ML, AI & ML, The Placement Edge: Get ahead early, Junoon, Build Your First App- App development, Build-Solo, Auto cad 2D& 3D Software. The workshops were conducted by high qualified resource person from various reputed organization.

Mr. Haresh Shah, founder and managing director, Leben Life Sciences, Akola and Mr. Arshad Pimpare, area business manager Aditya Birla fashion and retail Ltd was the chief guest at the inaugural function on 7th March 2025. The inaugural function began with the national anthem and was attended by Dr. S. B. Somani, Principal, Mr. H. B. Patil - Pursuit-2025 Chief Coordinator, and Dr. M. A. Dande, Parishkriti-2025, Chief-Coordinator, HODs, Deans, Registrar, faculties and students. The guests enlightened the students about their career growth, scope for innovation, and advised students to find opportunities for research, higher education which would help society.

The valedictory function was held on the second day of Pursuit. Mr. Anand Joshi senior Engineer manager at Expedia group Pune was the chief guest at the valedictory function on 8th March 2025.The winners of all the events were awarded with certificates and prizes. The participants were also given certificates as a token of appreciation. Student coordinators, workshop resource persons, and volunteers were awarded with appreciation certificates.

The success of Pursuit 2025 can be attributed to the efforts put in by the members of each student chapter, motivated and dedicated faculties, and the support of the SSGMCE family. The symposium was a great success beyond expectations, and for this we express gratitude to our management, Dr. S. B. Somani Principal for his motivation and guidance. We extend our gratitude to all the committee members teaching and non-teaching, administrative staff and our dedicated students. We extend our most sincere thanks to the entire SSGMCE family for their persistent support, guidance for making PURSUIT-2025 a grand success.

Mr. H. B. Patil
Chief Coordinator, Pursuit 2024

PARISHKRITI 2025

Parishkriti 2025: A Successful National Management Symposium

Parishkriti 2025, the flagship National Level Management Symposium of the Department of Business Administration and Research at Shri Sant Gajanan Maharaj College of Engineering, Shegaon, took place on 7th and 8th March 2025. This event, organized in collaboration with the engineering symposium Pursuit 2025, provided a dynamic platform for students from across the country to engage in intellectual discussions and demonstrate their managerial skills. It attracted bright minds from different institutions, offering them an opportunity to compete, learn, and connect in a vibrant environment.

Theme and Sub-Events

The theme for this year, "IKS – Indian Knowledge System," highlighted the importance of integrating traditional Indian wisdom with modern business practices. This theme prompted enriching discussions on how ancient knowledge systems, philosophies, and methodologies still hold relevance in today's fast-paced, technology-driven world. By focusing on IKS, the symposium sparked a dialogue about how traditional wisdom can be blended with contemporary management techniques to create more sustainable and ethical business models.

The event featured seven diverse and engaging sub-events that allowed students to explore different facets of business and management:

1. Business Quiz – A competitive quiz testing participants' knowledge of business concepts, current trends, and economic practices.
2. Paper Presentation – A platform for students to present innovative research and ideas on various management-related topics.
3. Movie Mania – A creative event where participants analyzed popular movies through the lens of business and management principles.
4. Community-Based Learning – A unique event encouraging students to apply their theoretical knowledge to real-world problems through community engagement.
5. IKS Quiz – A specialized quiz designed to deepen participants' understanding of Indian cultural heritage, philosophies, and traditional knowledge systems.
6. Stock Market Quiz – A quiz focused on the fundamentals of the stock market, investment strategies, and market analysis.
7. MS Excel Quiz – A skills-based event testing participants' proficiency in Excel, which is essential for data analysis and business decision-making.

These sub-events provided students with a comprehensive platform for enhancing their business knowledge, creativity, and critical thinking.

Sponsorship and Financial Support

The success of Parishkriti 2025 was made possible through the generous sponsorship of local businesses. Key sponsors, including Nutan Udyog, Yadav Bakers, Amar Coating and Anodizing, Cold N Melt/Amul, Diwanka Wholesale, Grahak Super Bazar, and Mohta Furniture Mall, played a significant role in supporting the event. With a total sponsorship of Rs. 35,000, and Rs. 28,000 in prizes distributed among the winners, the event was not only financially supported but also enriched by the sponsors' valuable insights. Their involvement added immense value to the experience, ensuring that both participants and organizers benefitted from their contributions.

Inaugural and Valedictory Functions

The inaugural function of Parishkriti 2025 was marked by the presence of two distinguished guests: Mr. Haresh Shah, Founder of Leben Life Sciences, Akola, and Mr. Arshad Pimpare, Area Manager at Aditya Birla Group (Peter England). Their motivational speeches set the tone for the symposium, encouraging participants to approach the event with curiosity, learning, and growth. They emphasized the importance of innovation, business ethics, and the need for sustainable business practices in today's competitive world.

The valedictory function, held at the conclusion of the symposium, was graced by Mr. Anand Joshi, Senior Engineer at Expedia. His words of encouragement and recognition of the participants' efforts left everyone feeling inspired. His acknowledgment of the hard work and dedication shown by the students reinforced the event's theme of growth, learning, and professional development.

Participation and Reach

This year's Parishkriti witnessed an impressive turnout, with over 1050 students participating from the host institution and colleges across India. Prestigious institutions such as P.R. Pote Institute, Amravati, PRMITR, Badnera, Meherbano College, Akola, and colleges from Karnataka, Andhra Pradesh, and Tamil Nadu were among the participants. The diverse geographical reach of the event emphasized its national appeal and fostered valuable intellectual exchange and collaboration among students from different regions.

Objective and Impact

The core objective of Parishkriti is to provide a platform for growth-oriented students to showcase their talents, exchange ideas, and improve their managerial acumen. By engaging in these events, students not only enhanced their confidence but also improved their employability skills and developed an entrepreneurial mindset. The symposium encouraged students to think critically, collaborate with peers, and approach challenges with innovative solutions.

Dr. M. A. Dande
Chief Coordinator, Parishkriti

NATIONAL CADET CORPS (NCC)

Aims of the NCC –

To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless service amongst the youth of the country.

To create a human resource of organized, trained and motivated youth, to provide leadership in all walks of life and always available for the service of the nation.

To provide a suitable environment to motivate the youth to take up a career in the Armed Forces.

The NCC unit at SSGMCE came into existence in the year 1993, and is attached to 3MAH. SIGNAL COMPANY, NCC AMRAVATI with Enrolled Strength of 54 cadets.

ACTIVITIES OF THE YEAR 2024-2025

Sr. No.	Activity	Date	Cadets Strength
1	Inter-National Yoga Day	21 June 2024	54 Cadets
2	Re-Enrollment	16 July 2024	24 Cadets
3	Motivation Campaign To BE 2nd Yr Boys	18 July 2024	-
4	New Enrollment and Registration	21 July 2024	30 Cadets
5	Commencement Of Training Parade	22 July 2024	54 Cadets
6	Training Parade	Every Friday	54 Cadets
7	Independence Day Parade	15 Aug 2024	54 Cadets
8	Tree Plantation Drive	15 Aug 2024	54 Cadets
9	Awareness on “De-addiction of Drugs & Alcohol”	24 Aug 2024	54 Cadets
10	Swacch Bharat Abhiyan	01 Oct 2024	54 Cadets
11	NCC Day Celebration	25 Nov 2024	38 Cadets
12	Combined Annual Training Camp – CATC I	25 Nov 2024 – 04 Dec 2024	16 Cadets
13	Combined Annual Training Camp – CATC II	06 Dec 2024 – 15 Dec 2024	01 Cadets
14	Youth Day Celebration	12 Jan 2025	54 Cadets
15	Republic Day Celebration	26 Jan 2025	54 Cadets
16	C - Certificate Examination	15 Feb 2025 - 16 Feb 2025	10 Cadets

Sr. No.	Activity	Date	Cadets Strength
17	B - Certificate Examination	15 March 2025 - 16 March 2025	13 Cadets
18	Earth Day Celebration	22 July 2025	10 Cadets

Achievements : -

· 5 and 13 Cadets of SSGMCE NCC Unit cleared the NCC C-Certificate and NCC B-Certificate Examination respectively.

Prof. P. R. Dhabe
NCC Officer

CAREER GUIDANCE CELL

The Career Guidance Cell at Shri Sant Gajanan Maharaj College of Engineering (SSGMCE), Shegaon plays a crucial role in supporting students' academic and professional development. Its primary objective is to guide students toward informed career choices by helping them understand their strengths, interests, and opportunities. The cell works actively throughout the year to provide counseling, mentorship, and exposure to various career paths including higher studies, government exams, private sector jobs, and entrepreneurship. It functions under the guidance of experienced faculty members and maintains strong connections with industry experts and alumni to ensure students receive relevant and up-to-date information.

Throughout the academic year, the cell organized a range of activities including career counseling sessions, expert guest lectures, and industry-oriented workshops. Sessions on resume writing, interview preparation, and soft skills were conducted to prepare students for recruitment. Additionally, targeted sessions for competitive exams like GATE, GRE, UPSC, and MPSC helped aspirants with preparation strategies and resource planning. The cell also collaborated with the institute's Innovation and Entrepreneurship Cell to promote startup awareness, offering insights into business planning, incubation, and funding. Guidance for higher education—both in India and abroad—was provided through orientation programs on entrance exams, application processes, and scholarship opportunities.

The impact of the Career Guidance Cell has been significant, with many students gaining clarity in their career direction, improving their employability skills, and pursuing higher education or professional careers successfully. The cell continues to bridge the gap between academic learning and industry requirements, fostering both confidence and competence among students. A guidance session on “Government Career Opportunities for Engineering Graduates” by Mr. Sachin Warudkar, Educator & Council Member, Unacademy, India on 25th March 2025, 103 students benefited.

Dr. S. D. Padiya
Coordinator - Career Guidance Cell

CENTRAL LIBRARY

1. Total Library carpet Area sq mtrs. 2200
2. Reading Hall Seating Capacity 200 Students
3. Periodical Section Seating Capacity 100 Students
4. Library Working Hours—

Monday to Saturday - 8.00 am to 12 night for Boys
8.00 am to 8.00 pm for Girls

Sunday & Holiday - 11.00 am to 5.00 pm

Exam. Period - 8.00 am to 8.00 pm

Particular	No.s
Details of Library books: -	
Total No of Titles	30133
Total No of books	92361
Journals / E- Journals: -	
Technical Journals (International)	36
Technical Journals (National)	33
Non Technical Journals	11
Online e-Journals	1907
Digital Learning Resources	895

Online Access e-journals: - No of E-journals

Science Direct Periodicals Package 275

ASME e-Journals Package 32

IET e-journals Package 1600

e-books

DELNET: - Delhi Library Network - 1.5 Carore e-books & e-journals

Central Library Services: -

1. Online Access to e-books and e-journals.
2. Online Access to Library Information
   Services through SLIM 27 Library Software
3. Round the Clock Internet & Intranet facility.
4. Round the clock Wi - Fi Connectivity.
5. Network Resource Sharing Service.
6. Reprographic Service in Nominal Rate.
7. Providing book sets to all the Students.
8. Digital Learning Materials.
9. Books for Competitive exam – Such as GATE, GRE,
   CAT, TOFFEL, MPSC, UPSC, NDA, SSB, BANKING etc.
10. CAS & SDS Services.
11. BAR CODE Technology.
12. Plagiarism Detection Software Facility.

Mr. D. P. Patil
Librarian

CULTURAL COUNCIL

The Cultural Council of Shri Sant Gajanan Maharaj College of Engineering, Shegaon (SSGMCE) had an eventful and vibrant academic year in 2024-25, marked by numerous cultural activities, performances, and celebrations that brought together students, faculty, and staff in a spirited showcase of creativity and tradition. These events were organized under the able leadership and coordination of Cultural Coordinator Prof. M.B. Bhambere, General Secretary Ajinkya Nagare, Girls' Representative Samruddhi Tambatkar whose hard work and vision made each event memorable.

1. Independence Day (15th August 2024): The academic year kicked off with a grand Independence Day celebration, where Chief Guest hoisted the national flag. The event included patriotic performances, speeches, and a cultural program that inspired a deep sense of national pride. Students and faculty participated enthusiastically, honoring India's freedom struggle and the sacrifices of our freedom fighters.

2. Janmashtami Celebration (27th August 2024): The Girls' Hostel came alive with vibrant festivities during Janmashtami. On the night of August 27, 2024, the girls of SSGMCE celebrated Krishna Janmashtami with deep devotion and enthusiasm at Sant Muktabai Girls' Hostel. The prayer hall was beautifully decorated with flowers and a “jhula” (swing) for Lord Krishna's idol. The event, led by Girls' Representative Samruddhi Tambatkar and organized by the cultural council, featured melodious bhajans and a spiritually uplifting atmosphere. The celebration fostered unity, devotion, and a sense of shared faith among the participants. This special night, which was a blend of devotion and fun, also saw by Lady faculty members participating, showing their support and adding to the celebratory spirit.

3. Dahi Handi (29th August 2024): The highly anticipated Dahi Handi festival was a big hit on campus. Held on August 29, 2024, in front of the Library Building, the Dahi Handi celebration was a dynamic and culturally rich event. Coordinated under the leadership of Prof. M.B. Bhambere and the cultural council, the event included a grand entry of Lord Krishna, enthusiastic student participation in the Dahi Handi competition, and cultural performances. With safety precautions in place and strong faculty involvement, the celebration highlighted teamwork, tradition, and community spirit. The event concluded with Prasad distribution and received high praise for its organization and vibrant execution. GS.Ajinkya Nagare and GR.Samruddhi Tambatkar actively coordinated the event, ensuring smooth participation across various student groups.

4. Ganesh Festival (September 7 – 13, 2024): The Cultural Council of SSGMCE Shegaon organized a grand seven-day Ganesh Chaturthi celebration from September 7 to 13, 2024, fostering cultural unity, devotion, and student leadership. Under the coordination of General Secretary Ajinkya Nagare, Girls' Representative Samruddhi Tambatkar, and Cultural Coordinator Prof. M.B. Bhambere, the event brought together students and faculty in a spiritually enriching atmosphere.• Day 1 (Aagman – Sept 7): Lord Ganesha's idol was welcomed with a grand procession featuring dhol-tasha, lezim, and vibrant decorations. The Pran-Pratishtha was performed in the presence of Principal Dr. S.B. Somani and other dignitaries. The first aarti and prasad distribution followed, with safety and logistics managed excellently by students.

• Days 2–4 (Sept 8–10): Daily morning and evening aartis were conducted, with students ensuring smooth rituals and cleanliness. Special highlights included Bhajan Sandhya performed by final-year engineering students and MBA students, filling the air with devotional energy through traditional music. • Day 5 (Sept 11): Final-year girls contributed handmade garlands and modaks. They led the aarti in recognition of their efforts. Names like Kunjan Katore, Dipti Meghare, Ambika Patil, Meghna Uike, Nikita Warade, and Ishwari Nikam were among the active contributors. • Day 6 (Sept 12): Regular aartis continued with great devotion. Students from engineering and MBA departments, along with faculty, participated with enthusiasm. • Day 7 (Visarjan – Sept 13): The final farewell began with aarti and a dindi-style procession organized in collaboration with the Gajanan Maharaj Sansthan. Prof. M.B. Bhambere and GS. Ajinkya Nagare, GR. Samruddhi Tambatkar led the final aarti at the visarjan site. With heartfelt devotion, the idol was immersed, concluding the week-long spiritual journey. Throughout the event, students showcased exceptional teamwork, cultural dedication, and leadership, making the Ganesh Chaturthi celebration a memorable and spiritually fulfilling experience for the entire campus community.

5. YouthFest (September 27 – 30, 2024): In collaboration with neighboring colleges, SSGMCE students actively participated in the prestigious Youth Festival 2024, organized by Sant Gadge Baba Amravati University (SGBAU) at Shankarlal Khandelwal College (SKC), Akola from September 27 to 30, 2024. This annual event is a vibrant and competitive platform for young talents to exhibit their excellence in performing and fine arts, literature, and creativity. The students had the opportunity to compete in various categories such as dance, music, drama, quiz, and creative arts alongside peers from colleges across the region. The Cultural Council, played a pivotal role in coordinating the participation and ensuring SSGMCE's strong presence and performance throughout the festival. SSGMCE students brought laurels to the institution with their remarkable achievements: • Roshni Borle was awarded the prestigious Gunwant Kalawant Puraskar (Youth Festival 2024, SGBAU, Amravati) for her exceptional artistic contributions. • Amruta Patil secured First Prize in Mehendi Art, showcasing exquisite skill and creativity. • Priyal Kolpe, Atharva Tayde, and Parth Uplenchwar won Second Prize in the Quiz competition, demonstrating their academic acumen and teamwork. • The team comprising Ms. Snehal Kubade (4N), Ms. Boshani Borle (40), Ms. Rushadi Gaidhane (4N), and Ms. Ankita More EXTC (4U) secured the Third Prize in Installation Art, reflecting innovation and strong conceptual expression. These accolades highlighted the talent and dedication of SSGMCE's student community and marked a proud moment for the Cultural Council, reinforcing the college's reputation for cultural and artistic excellence.

6. Garba Night (11th October 2024): Garba Night 2024, held on 11th October at Sant Muktabai Hostel, was a vibrant celebration exclusively for the girls of SSGMCE. Organized under the leadership of the Girls' Representative and in the presence of the hostel warden, the evening began with a devotional aarti of Durga Mata and Ganpati performed by GR, warden ma'am, and fellow students. Dressed in traditional lehenga-choli, the girls lit up the night with graceful Garba moves, celebrating culture and unity with infectious joy and enthusiasm. The event was beautifully coordinated, leaving behind cherished memories of dance, devotion, and togetherness.

7.Black Day (15th February 2025): On 14th February, the Cultural Council observed Black Day to challenge the commercialization of Valentine's Day. Students, organized protests and discussions to raise awareness about the importance of meaningful connections and emotional values in relationships. The day was marked by engaging debates and activities promoting cultural and emotional intelligence over consumer-driven celebrations.

8. Marathi Bhasha Divas (27th February 2025): On Marathi Bhasha Divas, the students showcased the rich cultural heritage of the Marathi language. The event included recitations of Marathi poetry, storytelling, and performances that brought forward the beauty of the Marathi language. Prof. M.B. Bhambere delivered a speech on the importance of preserving local languages, and the event was widely appreciated by both students and faculty alike.

9. Republic Day Celebration (26th January 2025): Republic Day was celebrated with great enthusiasm, starting with the hoisting of the national flag. The Cultural Council organized a special ceremony with patriotic songs, dance performances, and a speech by Ajinkya Nagare, where he reminded everyone of the values enshrined in the Indian Constitution and their relevance in today's society.

10. Culfest 2K25 – Kalarang (11th -12th April 2025): The crown jewel of the Cultural Council's calendar was Culfest 2025 – Kalarang, which took place over two thrilling days, 11th and 12th April 2025. Under the leadership of Ajinkya Nagare and Samruddhi Tambatkar, this cultural extravaganza brought together students, faculty, and guests for a memorable experience. The event kicked off with a Grand Cultural Procession Rally, featuring energetic performances like Shivgarjana, Shambhu Ghatha, and Talwarbaji, portraying the strength and valor of Maratha culture. The day continued with performances in dance, music, and drama. The One Act Play – Chitrangada, a powerful performance that linked the tale of Chitrangada from the Mahabharata with a modern-day story, was one of the emotional highlights of the event. The Valedictory Ceremony, hosted by Prof. M.B. Bhambere, recognized outstanding performers and volunteers, with prizes distributed to winners of various competitions. The event ended on a high note with heartfelt vote of thanks delivered by Prof. Bhambere, acknowledging the contributions of the Cultural Council, students, and faculty members.

Conclusion: The Cultural Council, under the leadership of Prof. M.B. Bhambere (Cultural Coordinator), Ajinkya Nagare (General Secretary) and Samruddhi Tambatkar (Girls' Representative); and successfully executed a year full of cultural events that not only showcased the diverse talents of students but also promoted the core values of tradition, unity, and creativity. The events brought together various forms of art and culture, allowing students to express themselves while contributing to the overall growth of the SSGMCE community.

Prof. M. B. Bhambere
Faculty Advisor, Cultural Council

IEI-MECHANICAL ENGINEERING

Institute of Engineer's India, SSGMCE Mechanical Engineering student chapter is a student body of Mechanical Engineering students which runs under faculty advisor

Prof. K V Chandan & Riddhi Patil as student Convener. IEI is a charter body of Govt. of India, established in 1935 and runs students chapters in entire country in various technical campuses and holds various curricular and co-curricular activities such as Students conferences, quizzes, expert talks and many more social and student focused activities.

This Year chapter kicks session with An expert talk session was conducted over three days, during 21st – 23rd October 2024 focusing on the topic "Impact of Jet Under Course Fluid Mechanics." By Dr. Atul Shinde, An assistant professor , SGGS, Nanded. The event aimed to enhance students' understanding of jet behavior and its applications in fluid mechanics. The sessions included theoretical insights and practical applications, followed by an engaging Q&A session with active student participation.

Another Expert Talk on "Career Opportunities for Mechanical Engineers in Germany (Motherland of Automobile)" By Mr. Rahul Surwade, Lead System Engineer, Forvia, Germany dated 16th November 2024, Saturday shared valuable insights into career pathways for mechanical engineers in Germany, focusing on automotive engineering opportunities. He discussed key skills, educational pathways, work culture, and future technological advancements in the German automotive industry. The session was especially beneficial for students considering higher education or job opportunities abroad. Another Expert Talk on "Changing Gears to Succeed in Industry" by Mr. Kamlesh Pande, Former Vice President, Thermax Ltd. (R&D) on 4th December 2024 during 11:00 AM at Mechanical Seminar Hall. This session was organized to bridge the gap between academic knowledge and industry expectations. Mr. Kamlesh Pande, with his extensive industrial experience, guided students on adapting to industry trends, honing technical and soft skills, and preparing for leadership roles. His motivational talk inspired students to take proactive steps towards successful engineering careers. On 8th March 2025, one-day hands-on workshop introduced students to the fundamentals of Generative AI and Machine Learning. By Mr. Akshay Agrawal conducted sessions covering real-world applications, tools, and case studies. Students engaged in interactive demos and basic model training exercises, gaining exposure to cutting-edge technology impacting modern industries.

These expert talks and workshop provided an enriching experience for students, helping them stay updated with industry trends, gain global perspectives, and explore interdisciplinary skills. The Department of Mechanical Engineering remains committed to organizing such knowledge-enhancing events regularly.

Prof. K V Chandan
Faculty Advisor-IEI (MECH)

IEI- ELECTRICAL ENGINEERING

The IE(I) - Department of Electrical Engineering Students' Chapter continuously works for the betterment of the student community. It organizes, coordinates and manages programs for student development including expert talks, webinars, workshops and Hands-on Trainings. During 2024-25, it has organized many such events. The students showed great deal of enthusiasm and got benefitted.

The prominent programs of the many organized by IEI- Department of Electrical Engineering Students' Chapter are listed below.

1. One Week Training Programme on "Industrial Automation" in collaboration with Prolific Systems & Technologies Pvt. Ltd., Nagpur.

2. One-week Hands-on Training Program on "Renewable Energy Ventures : Training for Aspiring Entrepreneurs" by Dr. Ajaykumar Damral (Faculty, SSGMCE Shegaon).

3. One-Day Workshop on "Challenges and Innovations in EHV Substations" by Mr. Chandrakant Thakkar, Additional Executive Engineer, MSETCL, Akola, Maharashtra.

4. Two-Day workshop "ROBOZON" by the student coordinators of The Department of Electrical Engineering Students' Chapter, SSGMCE Shegaon.

5. Seminar on "Opportunities in Core Electrical Industry" by Miss. Pallavi Karale, GET, ABB Pvt. Ltd., Nashik.

6. Seminar on "Job Opportunities in Banking Sectors" by Mr. Siddheshwar Konghe, Director, SAARTHI Education, Chh. Sambhajinagar.

7. Guest Lecture on "Opportunities for Electrical Engineers Abroad" by Mr. Nayan Tale, Electrical Engineer, Merchant Navy, New York.

8. Seminar on "Medium-Voltage Switchgear Testing" by Mr. Harshal Shegokar, GET, ABB Pvt. Ltd., Nashik.

9. Event "IPL Auction" by the student coordinators of The Department of Electrical Engineering Students' Chapter, SSGMCE Shegaon.

10. One Day visit to 500 MW Thermal Power Station, Paras.

11. One Day visit to 400 KV Substation Apatapa, Akola.

One-Day Visit to 100 MW Solar Power Plant, Avaada.

Prof. P. R. Bharambe & Prof. P. R. Dhabe
Faculty Advisor (IEI-Electrical)

SCIENCE WORLD

1. The new Science World team has been constituted by the Faculty Advisor together with former Science World Committee (2022-23), which includes students of B.E. Third Year.
2. Students of B.E. First Year were selected on the basis of following three rounds:-
3. Aptitude Test that, evaluates logical thinking of aspirants.
4. Personnel Interview wherein, students were asked to present their skills.
5. The results of above mentioned rounds were published on 25th Nov. 2025.
6. In total, 25 students were selected & they will lead the said Committee for the Academic Year 2024-25.
7. The constituted committee conducted 'Orientation Program' on 08/11/2023.The Logo & Vision of committee have been launched by committee in the of Principal, Dr. S.B. Somani Sir.

Details of activities carried out during the session:-

Event Name	Duration	Intended Audience
Science Trivia	28/02/2025 (1 Day)	B.E. First Year
Photon Fest	01/03/2025 (1 Day)	B.E. First Year

Impact Analysis:-

1.The activities encouraged participants to take initiative, lead teams & manage tasks effectively.

2.The activities had potential impact on providing relaxation, reducing distress & improve overall morale.

Prof. R. G. Raut
Faculty Advisor, Science World

INSTITUTE INNOVATION COUNCIL (IIC)

The Institute Innovation Council (IIC) at SSGMCE conducted various activities throughout the session 2024-25 aimed at fostering innovation and entrepreneurship among students and faculty members. The following is an overview of the key activities conducted by the IIC:

Formation of IIC Council: At the beginning of the session, the IIC conducted a meeting to form the council and delineate the roles and responsibilities of its members.

Quarterly Meetings: The IIC council organized quarterly meetings at the onset of every quarter to assign calendar activities and celebration events, ensuring smooth functioning and coordination of activities.

Achievement of 3.5-Star Rating: The institute achieved a significant milestone by attaining a 3.5-star rating for IIC 6.0, marking it as the highest-rated institution in the region.

Calendar Activities: Throughout the session, SSGMCE_IIC conducted total calendar activities, focusing on various aspects of innovation, technology, and entrepreneurship.

Celebration Activities: Additionally, the IIC organize celebration activities to commemorate important events and achievements, fostering a culture of celebration and recognition within the institute.

Self-Driven Initiatives: Apart from the scheduled activities, the institute also conducted several self-driven initiatives to promote innovation and entrepreneurship. Notable events included the National Level Hackathon - INNOVO-25 and a workshop on Intellectual Property Rights (IPR) conducted by Dr. P. William, Dean, R&D, Sanjivani Group of Institutes, Kopargaon.

Overall, the IIC at SSGMCE demonstrated proactive engagement and commitment to nurturing innovation and entrepreneurship within the institution. Through a combination of structured activities and self-driven initiatives, the IIC played a pivotal role in fostering a culture of innovation and contributing to the holistic development of students and faculty members.

Dr. A. S. Manekar
President, IIC

E-CELL

The Entrepreneurship Development Cell, SSGMCE was initiated with a vision to promote entrepreneurship amongst the students of SSGMCE and to build an exhaustive resource pool to aid potential student to become entrepreneurs. Since our inception, we have organized various events ranged over social entrepreneurship events on campus to business plan contests and we have definitely brought about a surge in entrepreneurial activities in campus.

For the academic year 2024-25, ED Cell, SSGMCE, Shegaon, has participated for the Advance Level of "National Entrepreneurship Challenge (NEC)", organized by E-cell IIT, Bombay. The main objectives are

- To aware students about entrepreneurship.
- To aware and train the students for various activities like hackathons, startups, pitching competitions etc.
- To organize guest lecture on entrepreneurship.
- To nurture and motivate students for entrepreneurship.

Summary of Events Conducted under ED Cell:

1. Internal Hackathon was organized by E-Dell/IIC, SSGMCE, Shegaon on 9th September 2024. Dr. R. S. Mahamune (SPOC), Mr. G. S. Wahile, student members were present as ED Cell coordinators along with four internal judges and one external judge. To select the best teams for Smart India Hackathon, this event was organized. Location for this event was Seminar Hall, Mechanical Engineering Department, SSGMCE, Shegaon.

Total thirty three teams were participated in this event. Judging at the Internal Hackathon is a crucial phase where the teams presented their solutions to a panel of expert judges. Event was started at 11am. Jury panel had one external judge Mr. Vivek Nimkarde and four internal judges from college, Dr. S. Jadhao, Dr. K. T. Kahar, and Dr. Sagar Padiya, and Prof. N. B. Borkar. Each team was given 15 minutes for the presentation, and10 minutes for evaluation by Judges.

2. Guest lecture on "Product Market Fit and Minimum Viable Product (MVP)" was delivered by Mr. Pankaj Nirale, Country Head, Red Lane Group, Pune (MS).

3. A guest lecture on "Innovation in Energy Sector: Entrepreneur to fill the gap" on 21st March 2025, was delivered by Dr. Subhanarayan Sahoo, Associate Professor, Adani University, for the students of SSGMCE, Shegaon.

4. On the 28th of September 2024, ED Cell successfully organized a highly engaging Pitching Competition, aimed at encouraging innovation and entrepreneurship among students. The event, held under the coordination of Mr. G. S. Wahile and student members, witnessed active participation from 20 teams of budding entrepreneurs. Each team presented their business ideas, showcasing creativity, strategic thinking, and problem-solving capabilities.

5. One day workshop on App Development was organized by team ED Cell on 7th March 2025 at Web Tech Lab, IT department, SSGMCE Shegaon. Mr. Ankush Dongre, Freelancer, Khamgaon, was the resource person for this event.

6. Students of SSGMCE participated in different National Level Hackathon events throughout the year.

7. The ED Cell student members participated in E-Summit at IIT Bombay on 1-2 February 2025. E-Summit is the annual flagship event of E-Cell IIT Bombay organized in February each year. The purpose of the summit is to bring together all the stakeholders of the entrepreneurship ecosystem. Our student members participated in different competitions conducted in E-Summit.

Dr. R. S. Mahamune / Prof. G. S. Wahile
Faculty Advisor, E-Cell

NPTEL / MOOCS

The National Programme on Technology Enhanced Learning (NPTEL) is an initiative by the Ministry of Human Resource Development (MHRD), Government of India, in collaboration with seven Indian Institutes of Technology (IIT Bombay, IIT Delhi, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Guwahati, and IIT Roorkee) and the Indian Institute of Science (IISc). This program aims to provide high-quality education to all interested learners through web-based and video courses in major engineering disciplines, physical sciences, and postgraduate-level management topics.

NPTEL offers online courses that are free to learn, with a nominal fee for those who wish to take an exam and earn a certification.

Our college has been an NPTEL Local Chapter since 2016, and it continues to encourage students to participate in these high-value learning opportunities.

Summary of Student Participation (2024–25)

- Total Registrations in NPTEL Courses: 206 students
- NPTEL Certificate Earners: 81+ students (Some exam results are still awaited)
- Other MOOCs (Coursera, Udemy, etc.): Over 100 courses completed by students

Prof.Ms.K.P.Sable
NPTEL-SPOC, MOOCs Coordinator

CSESA

Sr. No.	Name of Event	Date	Level of event	No. of Participants	Outcome of the Event
1	Web Development Workshop	19/10/24 & 20/10/24	Institute	40	Gain experience of Languages like HTML, CSS. Basics of Git and Github.
2	NirmitiElite (Workshop)	07/03/2025	National	140	Content Creation Skills, Video editing, Freelancing, Shooting methods,
3	Junior's Jam 2 (Fun Event)	08/03/2025	National	48	Content Creation Skills, Video editing, Freelancing, Shooting methods,

Dr. P. V. Deshmukh
Faculty Advisor, CSESA

ELECTRONICS STUDENTS AND STAFF ASSOCIATION

The Electronics Students and Staff Association (ESSA) of the EXTC Department actively organized a series of events and workshops throughout the academic year 2024–25, aimed at enhancing the academic, professional, and personal development of students. These events catered to various aspects of student life, including orientation, career guidance, alumni networking, and cultural engagement.

The academic year began with the First Year Orientation Program titled “Know Your Department”, held on 24th September 2024 from 1:00 PM to 4:00 PM in the EXTC Seminar Hall and Department. The session witnessed participation from 120 first-year students who were welcomed into the department with a warm and informative introduction. Dr. M. N. Tibdewal, Dr. K. T. Kahar, and Mrs. K. S. Vyas addressed the students, explaining the department’s structure, academic roadmap, lab facilities, and overall vision. The program also included a guided tour of the department to help students become familiar with their new environment.

Following this, an Expert Talk on “Career Guidance” was conducted on 28th December 2024 from 10:30 AM to 11:30 AM at the EXTC Seminar Hall, with 53 students in attendance. The session was led by Mr. Milind Mohite, who provided valuable insights into various career opportunities available for engineering students. He emphasized the importance of early career planning, continuous skill development, and staying informed about industry trends. Students actively engaged with the speaker, making the session both informative and motivational.

Another significant event, the Alumni-Faculty-Student Interaction, was held on 25th January 2025 from 11:00 AM to 1:00 PM at the New Auditorium, with a strong participation of 210 students. Esteemed alumni of the EXTC branch of SSGMCE returned to their alma mater to share their professional experiences and offer guidance on career choices, internships, and higher studies. Their success stories and practical advice created a strong connection between past and present students and served as a source of inspiration.

On 7th March 2025, a fun-filled event titled “ASYLUM” took place at Swadhyay Kaksh from 6:00 PM to 10:00 PM, involving 80 students. This informal gathering provided a platform for students to express themselves creatively and bond with peers. Although there was no official speaker, the event included interactive activities, games, and light-hearted performances that helped students unwind and foster stronger friendships.

The final event of the session, “JUNOON”, was organized on 8th March 2025 from 12:00 PM to 3:00 PM in the New Seminar Hall, with 164 students participating. This inspirational session featured young achievers Bipin Mahore, Tanvi Kakad, and Rajat Wankhede who shared their journeys, struggles, and successes. The session focused on igniting passion and motivating students to pursue their goals with determination and creativity.

In conclusion, the events conducted by ESSA during the academic year 2024–25 were well-received and impactful. They provided students with opportunities to grow academically, gain career insights, interact with alumni, and enjoy cultural activities. These programs reflect the department’s commitment to the all-round development of its students and the continuous efforts of ESSA to create a vibrant, supportive academic community.

Prof. K. S. Vyas
Faculty Advisor, ESSA

ANNUAL REPORT- BARSA (BUSINESS ADMINISTRATION AND RESEARCH STUDENTS' ASSOCIATION) (2024-25)

BARSA (Business Administration And Research Students' Association) organized 29 activities during 2024-25. The details are mentioned below-

Sr. No.	Activity	Outcomes
1	Group Discussion and presentation on diffusion of innovation	Communication, Arriving at a collective decision or understanding
2	A Hands on session on Soft skills and Team building by Mr. Avez Shaikh	Assimilation of prerequisites of Soft skills and Team building
3	Extempore	Presence of mind, Co relational fluency
4	Guest Talk by 1- Mr. Chirag Lasod, Jain Exports, Neemuch, M. P. 2- Mr. Rajesh Jadhav, founder, Surya Consumer Products, MIDC, Buldana 3- Mr. Soham Belokar, District Officer, Pradhan Mantri Sukshma Anna Prakriya Udyog, Buldana	1- Comprehension of agricultural exports procedures and documentation 2- Grasping of marketing strategies 3- Comprehension of Government agricultural schemes and documentation
5	Kridastuti (Sports Meet)	Team cohesiveness
6	Workshop on Yoga, Meditation and Indian Version of Zumba by Ms. Nishtha Purwar, Crossbeat Fitness, Khamgaon	Learning basics of Yoga, Meditation and Indian Version of Zumba
7	Group Discussion on various topics	Communication, Arriving at a collective decision or understanding
8	Study visit to Brahmhakumari Center, Shegaon	Analysis of need for indigenous aspects in modern times with current lifestyles.
9	Badminton matches	Aspirants attempted for physical fitness.
10	Study visit to "Avishkar" Social and Cultural Organization, Shegaon	1- Grasping functioning of a non profit organization. 2- Analysis of artistic creations by specially abled children
11	Workshop on stress management by Mrs. Manisha Naik, Psychological Counselor, Akola	Practice of basics of Ashtang Yoa and Anulom- Vilom

12	A session on “Classical Singing as a remedy for Stress Management” by MBA I year student Gauri Apte	Comprehension of Indian Classical Ragas and their relation to stress relief.
13	Virtual Talk “A philanthropist speaks” by Sudha Murthy Ji	1- Grasping of CSR activities of conglomerates
14	Study Visit to Reliance Trends, Shegaon	1- Grasping functioning of Reliance trends outlet
15	Study Visit to Peter England Outlet, Shegaon	1- Comprehension of sales promotion activities and brand loyalty
16	Live Session on “Union Budget”	1- Experience of national level resource allocation 2- Experience of national level policy formation
17	Treasure Hunt	Curiosity Building, Team Cohesiveness
18	Performing Community Based Learning Projects- I	1- Team cohesiveness 2- Creativity
19	Performing Community Based Learning Projects- II	1- Team cohesiveness 2- Creativity
20	Study Visit to Yadav Bakers, Shegaon	1- Grasping functioning of small scale business
21	Study Visit to Shah Agencies, (Dealer of Birla White Cement/ Wall Putti) Shegaon	1- Know how of process and documentation for becoming authorized dealer
22	Study Visit to Satpuda Engineering Services, (Distributor of GM Electrical products) Shegaon	1- Know how of process and documentation for becoming authorized dealer 2- Comprehension of channel management
23	Guest Talk by Mr. Gagan Sharma, Shegaon Kachori	1- Grasping functioning of family business 2- Comprehension of digitization and expansion of family business
24	Guest Talk by Mr Shekhar Rajguru, Entrepreneur, Nashik on "Mindfulness and Focus: Enhancing Productivity in the Workplaces"	Participants gained a better understanding of how mindfulness practices can help manage stress, improve concentration, and foster a more engaged and positive mindset at work.
25	Guest Talk by Mr. Shrikrushna Wadodkar (Gurukrupa Industries, Shegaon) (Manufacturing of Paver Blocks)	1- Comprehension of journey of a youngster in setting a plant 2- Know how of marketing, managing people

26	Study Visit to Gurukrupa Industries, Shegaon	1- Grasping of small scale production 2- Comprehension of industrial/ organizational buying (raw materials)
27	A movie session- 12 Angry men	Assimilation of leadership, decision making and conflict management
28	Panel Discussion	1- Assimilation of personality traits of the business owners
29	An expert talk by Mayuri More "Digital Transformation in Business: How Technology Is Reshaping Industries".	Attendees gained clarity on what digital transformation entails and how it extends beyond mere digitization to include cultural shifts, process reengineering, and customer-centric innovation.

Dr. M. A. Dande
BARSA Coordinator

NSS

Year 2024-25 Started with NSS Volunteer registration followed by different regular activities like Har Ghar Tiranga Program, Tree Plantation & Independence Day celebration, Swachhata Hi Seva, Voter Awareness Program and many more activities. Volunteers actively participated in all events showcasing their team efforts and skills for successfully completing the objectives of each event. Blood Donation Drive was arranged on 25th February in which total 180 donors donated the blood and achieved the divine objective of being life savior. NSS team arranged the special residential camp at dattak gram Chincholi Karfarma for seven days in which various social activities are carried out which ultimately benefitted the village peoples and helps students in gaining the field knowledge. Various poster making competitions are arranged on socio economic issues and themes given by government of Maharashtra. Acupressure camp, dental checkups, veterinary checkup, social empowerment, and many more programs were arranged successfully during the entire camp period. All mandatory events given by government of India for NSS directorate were successfully conducted during this session. Through this Scheme, students developed sense of gratification towards society and their responsibilities.

Dr. S. P. Joshi
Program Officer-N.S.S.

सर्वे भवन्तु सुखिनः

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