

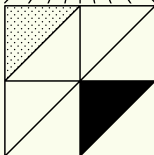
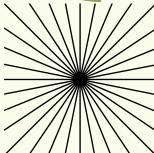
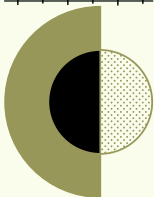
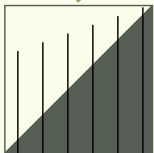
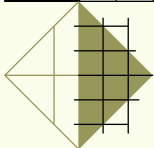
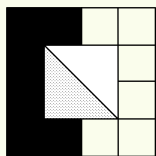
VOLUME-VII

2025-2026



**FOUNDATION'S
TERRA NIRMANN
BUILDING FUTURE**

**THEME: GREEN HORIZON- Eco Innovation in
Civil Engineering**



DEPARTMENT OF CIVIL ENGINEERING

Vision:

To impart quality education in Civil Engineering.

Mission:

M1: To provide an experiential teaching-learning environment and promote research culture.

M2: To establish a center of excellence by providing training of modern tools and emerging technologies.

M3: To instill social and ethical values among the students.

Program specific objectives (PSOs):

Our students will be able to

PSO1: Design and develop civil engineering structures with software proficiency.

PSO2: Address & give engineering solutions for environmental challenges & sustainable development.

PSO3: Execute civil engineering projects as a skilled professionals utilizing enhanced Management techniques.

Program Educational Objectives: (PEOs):

Our graduates will be able to

PEO1: Apply integrated knowledge and skills to solve complex civil engineering problems.

PEO2: Pursue entrepreneurship and innovation in civil engineering while upholding professional integrity, social responsibility, and ethical values.

PEO3: Excel in professional careers exhibiting leadership qualities.

Meet Our Editorial Team



Editor in cheif
**Dr. Aakanksha
Ingle**



Graphic
Design Head &
Design lead
**Tejaswini
Tongire**



Design Co-
Lead
Aditya Chobe



Associate
Designer
**Prasanna
Bodade**



Content
creator
Atharva Kashid



Editorial Team
Member
Riya



Editorial Team
Member
**Kalpesh
Sonawane**



Editorial Team
Member
Suyog Yande



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**Nikhil
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Member
Ajay Pillai



Editorial Team
Member
**Vaishnavi
Munjal**



Editorial Team
Member
**Vaibhavi
Bokare**



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Articles

"Each article dives into eco-innovations, environmental challenges, and green solutions that aim to protect and enrich our planet."

The CESA Team

"Together we explore, support, and achieve — learning more with every step."

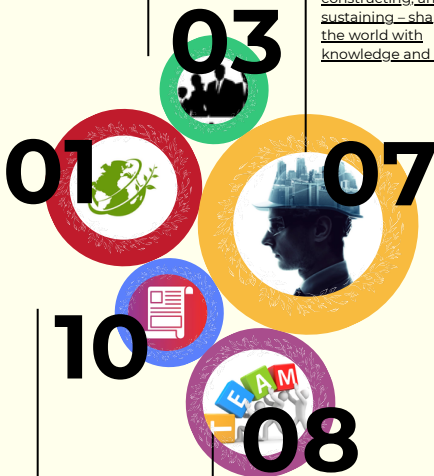


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riddles

"Let your mind wander and unravel the clues hidden between these lines."

POEM

"In this space, words weave emotions, capturing the essence of our thoughts and dreams."



GREEN HORIZON ECO INNOVATION *in civil engineering*

PRESENTED BY DEPARTMENT OF CIVIL ENGINEERING

Welcome to Green Horizons, a special edition proudly curated by the Department of Civil Engineering, dedicated to showcasing the future of sustainable innovation in our field.

In response to the growing environmental challenges facing our planet, civil engineering is evolving—embracing new ideas, green technologies, and eco-conscious approaches that are reshaping how we design, build, and sustain our world.

This issue takes you on a journey through the exciting realm of eco-innovation, where engineering meets environmental responsibility.

As the stewards of infrastructure and urban development, civil engineers today are called not just

to construct, but to create solutions that are efficient, resilient, and environmentally restorative.



GREEN HORIZON

Eco Innovation in Civil Engineering

You'll discover:

Feature articles on groundbreaking sustainable engineering projects across the globe

Expert interviews offering insights into the challenges and opportunities of green construction

Student innovations and academic research paving the way for a cleaner tomorrow

Design highlights that merge aesthetics with environmental function

And much more, all aimed at sparking thought, action, and inspiration.

As civil engineers step up to design not just structures, but sustainable legacies, this magazine invites you to imagine cities that breathe, bridges that coexist with nature, and systems that heal more than they harm.

Whether you're a professional, a student, or simply a curious mind, we hope this edition opens your eyes to the infinite possibilities of eco-innovation in shaping a greener, more resilient world.

Happy reading—and here's to building a better, greener tomorrow!



A GUIDING LIGHT: MESSAGE FROM OUR VICE PRESIDENT

It gives me immense pleasure to contribute to this edition of our college magazine, centered around the profoundly relevant theme — Green Horizon. In a time when the world stands at the crossroads of progress and sustainability, this theme serves as both a vision and a call to action. "Green Horizon: Eco-Innovation in Civil Engineering" is not merely a concept—it is a commitment to a future where growth does not come at the expense of the environment. It represents our collective hope for a world where innovation, education, and consciousness converge to create a sustainable tomorrow.

As students and future leaders, you carry the responsibility and the power to shape that horizon. Let this magazine be more than a compilation of articles and ideas. Let it be a reflection of our values, our awareness, and our determination to build a better world—one that respects nature, embraces clean technologies, and ensures equity for generations to come.

I commend the editorial team and all contributors for bringing this vision to life. May your words inspire action, spark innovation, and lead us all a step closer to the green horizon we aspire to reach.

**DR.
KAMALJEET
KAUR**

Executive Vice President
Ajeenkya DY Patil Group





PURSuing EXCELLENCE: A VISION FROM OUR PRINCIPAL



Dr. F.B.Sayyad

It is with great pride and appreciation that I extend my heartfelt greetings to the entire editorial team and contributors of this year's college magazine, themed "Green Horizon: Eco-Innovation in Civil Engineering"

This theme could not be more timely or significant. As we stand on the brink of environmental tipping points, Green Horizon urges us to rethink our relationship with nature, to act responsibly, and to envision a future rooted in sustainability, innovation, and ecological harmony.

Education is not just about imparting knowledge—it is about shaping character, values, and vision. Through this magazine, our students have demonstrated their awareness, creativity, and commitment to creating a greener and more equitable world. The articles, poems, artworks, and reflections within these pages are not only expressions of talent but also powerful reminders of the role we all play in protecting our planet.

Let Green Horizon be more than a theme—it should become a shared goal. I encourage each reader to carry forward the ideas and inspirations found here, and to be a catalyst for positive change within and beyond our campus.

Congratulations to everyone who contributed to this meaningful edition. May your voices continue to inspire action and hope.

**Principal-
Ajeenkya DY Patil School of Engineering**



A VISION FOR INNOVATION AND GROWTH: THOUGHTS FROM OUR HEAD OF DEPARTMENT

It gives me immense pleasure to pen down a few words for this year's college magazine, centered around the inspiring and timely theme — "Green Horizon: Eco-Innovation in Civil Engineering."

This theme reflects a forward-looking vision — one that embraces sustainability, environmental awareness, and responsible progress. As educators and learners, it is our duty to not only seek knowledge but also to apply it in ways that protect and preserve our planet for future generations.

A Green Horizon symbolizes hope — a future where innovation meets conservation, and development is aligned with ecological balance.

Through this magazine, our students have wonderfully captured the spirit of this vision — using creativity, critical thought, and a sense of purpose to express their ideas and concerns about our environment.

I wholeheartedly appreciate the efforts of the editorial team, contributors, and all those who worked behind the scenes to bring this edition to life. May this publication not only inform and inspire but also motivate each of us to take small, meaningful steps towards a greener tomorrow.

**Dr. Pallavi
Kharat**



HoD Civil Department
Ajeenkya DY Patil School of Engineering

★ FROM EDITORS DESK: SHAPING STORIES DEFINING PERSPECTIVES



**Dr.Aakanksha
Ingle**

Editor-in-Chief

It is with great pride and gratitude that I present this edition of our college magazine, woven around the thought-provoking theme — “Green Horizon: Eco-Innovation in Civil Engineering”

In an era marked by environmental challenges and rapid technological advancement, Green Horizon invites us to envision a future where sustainability and progress walk hand in hand. This theme is not just about protecting nature — it’s about reimagining our place within it, fostering awareness, responsibility, and action.

This magazine is a collective voice of our student community — a blend of articles, poems, art, and ideas that reflect not only creativity but also conscience. Each contribution echoes the urgency of change and the hope for a better, greener world.

As Editor-in-Chief, I am deeply thankful to our editorial team, contributors, faculty advisors, and all supporters who made this edition possible. Your dedication has turned a vision into a vibrant reality.

Let this magazine be more than a publication. Let it be a spark — one that encourages thought, dialogue, and meaningful steps toward a sustainable tomorrow. With hope for a brighter, greener future.

ABOUT THE DEPARTMENT

An affectionate welcome to the Civil Engineering discipline.

The Department of Civil Engineering strives for excellence in teaching and learning along with professional development.

The department has state-of-the-art laboratories which are NABL accredited with 150 tests. Ours is the first private engineering college in Maharashtra to get NABL accreditation.

The department, with its experienced faculties, offers practice-based education with the latest techniques, thereby preparing our students for a successful and rewarding career.

The department maintains its strong links with the construction industry by engaging in consultancy activities.

The students here are encouraged to engage extra-curricular and co-curricular activities, which are essential for personality development, nurturing of team spirit and development of organisational skills.

The field of Civil Engineering is very broad, covering many areas such as planning, design and construction of buildings, highways and bridges, irrigation schemes, water supply and sewerage schemes, powerhouses and transmission systems, tunnels and underground structures, etc. It is our aim to provide you with the necessary education to face these challenges with confidence



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Ritesh Molak

Head Photography



Vaishnav Tupe

*Head Social Media Activity
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Yash Randive

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Raviranjn Yadav

Head Discipline



Prasanna Bodade

Committee Member



Vishakha Gawali

Committee Member



Taniksha Dhome

Committee Member



Aditya Kokane

Committee Member



Sachin Gupta

Committee Member



Janhvi Raut

Committee Member



Sakshi Gawali

Committee Member



Building Futures: Rising Opportunities in Civil Engineering

Walk through any city today and you'll hear the heartbeat of construction all around you. Towers stretching higher, metros weaving through skylines, highways linking corners of the country—civil engineering is everywhere. And behind this concrete symphony lies an undeniable truth: the world needs more civil engineers than ever before.

The profession that once symbolized tradition is now at the center of transformation. From Bharatmala highways to smart city projects, from futuristic airports to eco-friendly housing colonies, every new plan opens doors of opportunity. What was once seen as a steady career has now become a field bursting with possibilities.

But what's most exciting is how the role of a civil engineer is changing. No longer limited to drawing plans or supervising construction, today's engineers are tech-savvy innovators. They fly drones to survey land, use 3D printers to create building components, and design green structures that breathe with nature. Each new skill mastered becomes a passport to a career that is global, dynamic, and deeply impactful.



This surge in opportunities isn't just about jobs—it's about pride. Civil engineers don't just work, they leave legacies. Every road you travel, every bridge you cross, every building you admire is a silent reminder of someone who dared to design it. Imagine being part of that story—your ideas etched in the skyline, your work serving millions every single day.

For students stepping into this world, the horizon is bright. Government projects, private ventures, and international collaborations are hungry for young minds that blend technical knowledge with fresh thinking. Sustainability, smart cities, renewable energy infrastructure—these are not just buzzwords, they are entire sectors waiting to be led by engineers who dare to dream bigger.

The world is building faster than ever before, but it needs builders who care—builders who understand that every brick placed is a responsibility toward the future. Civil engineering, today, is not only about structures but also about shaping societies.

So, as we flip through these pages filled with ideas and inspiration, let's remind ourselves: the growth in civil engineering employment is not just an opportunity—it's an invitation. An invitation to build, to innovate, and to rise as the architects of tomorrow's world.

*Because at the end of the
day,
the future will not just be
living in...
it will be engineered*

• **Tanvi Shelar(BE)**



GREEN HORIZON

REIMAGINING THE FUTURE OF HUMAN AND NATURE

The phrase Green Horizon embodies more than a picturesque view of nature. It symbolizes a forward-looking vision where human progress is intertwined with ecological balance, and where the pursuit of growth does not overshadow the health of the planet. In an age where the global climate crisis dominates discussions, the Green Horizon offers both a metaphor and a roadmap for a sustainable future.

A New Perspective on Growth

Traditionally, horizons have represented ambition, discovery, and the endless pursuit of new opportunities. Adding the element of “green” transforms this horizon into one that emphasizes mindful growth—progress achieved in harmony with the natural world. It challenges us to redefine success: not in terms of unchecked expansion, but in cultivating balance between innovation and preservation.



The Aesthetic of Sustainability

Sustainability is often discussed in scientific or economic terms, but its aesthetic value is equally important. Imagine cities framed by vertical gardens, skylines softened by green rooftops, and communities designed to flow seamlessly with surrounding landscapes. This vision is not distant fiction—it is an unfolding reality. Across the globe, architecture, fashion, technology, and art are all finding inspiration in ecological principles, proving that beauty and sustainability can coexist.

Why the Horizon Must Stay Green

The Green Horizon matters because it represents resilience in the face of uncertainty. As climate extremes intensify and natural resources decline, the future depends on how societies respond today. To embrace a green horizon is to commit to renewable energy, to prioritize clean air and water, to protect biodiversity, and to ensure that future generations inherit not only infrastructure, but also a thriving planet.

Beyond the Environment: A Cultural Shift

The idea of a Green Horizon is not limited to environmental action alone—it is also cultural. It encourages communities to shift values, to celebrate minimalism over excess, and to recognize that the quality of life is measured not only by material wealth, but by connection with nature, social well-being, and collective responsibility.

Conclusion

The Green Horizon is both a dream and a direction—a reminder that the beauty of tomorrow depends on the choices of today. To look toward a Green Horizon is to embrace hope, responsibility, and a commitment to shaping a world where progress and nature coexist in harmony.

-Hirkani Bhingare (BE)





Cracks Beneath the Concrete: The Struggles of Civil Engineers Today

From the outside, civil engineering looks glamorous. Towering skyscrapers, futuristic bridges, shining highways—these are the images we celebrate. But behind the glossy photographs and ribbon-cutting ceremonies lies a different story. The story of engineers working late nights, battling uncertainties, and solving problems that often don't make it to the headlines.

Civil engineers today stand at a crossroads. On one side lies ambition—cities hungry for growth, nations racing toward development. On the other side lies reality—the everyday hurdles that make this profession one of the most challenging.

Deadlines are the first storm to weather. Projects that should take months are expected in weeks, and the engineer becomes the one carrying the weight of impossible schedules. Add to this the constant tug-of-war between budgets and quality—clients pushing for cost cuts while expecting world-class results. It's like being asked to build a skyscraper with a pocket full of stones.



Then comes the environment—the silent but powerful player in every project. With climate change and stricter laws, engineers must find green, sustainable solutions. Yet, those solutions often come with higher costs or limited availability, leaving young engineers torn between responsibility and practicality.

Technology, too, is both a blessing and a challenge. Drones, AI, and BIM are rewriting the rules of construction, but not everyone has the training or resources to keep up. The industry is evolving at lightning speed, and many find themselves running just to stay in the same place.

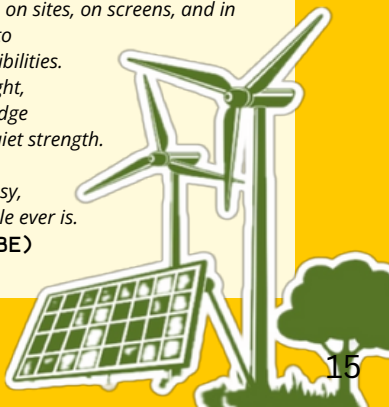
And let's not forget the human side of engineering—construction sites where safety is fragile, labor is scarce, and motivation runs low. Engineers often become mediators, mentors, and managers, juggling people as much as they juggle projects.

Finally, nature itself has joined the list of challenges. Floods, heatwaves, and unpredictable weather patterns mean that yesterday's designs no longer fit today's realities. Structures must now stand against forces that even science struggles to predict.

Yet, amid all these struggles, one thing remains constant: resilience. Civil engineers continue to show up on sites, on screens, and in boardrooms, turning challenges into blueprints and problems into possibilities. They may not always get the spotlight, but every road you travel, every bridge you cross, is a reminder of their quiet strength.

Civil engineering has never been easy, but then again—nothing worthwhile ever is.

~ Prasanna Deore (BE)



Redefining LIFESTYLE AND CULTURE IN THE AGE OF SUSTAINABILITY

The horizon has always captured the imagination of humankind. It is where the earth meets the sky, where dreams meet possibility. Today, the Green Horizon symbolizes more than an environmental shift—it represents a cultural awakening. It reflects a world where sustainability is not a niche movement, but a lifestyle woven into the fabric of everyday life, influencing how we dress, how we travel, how we create, and even how we define beauty.



Fashioning a Greener World

The fashion industry, once criticized for waste and exploitation, is now becoming a torchbearer of sustainable culture. Designers are embracing recycled fabrics, plant-based dyes, and zero-waste production methods. “Slow fashion” is replacing fast fashion, encouraging people to value quality over quantity. The aesthetic is not just in the look of the clothing, but in the story it tells—the story of responsibility, craftsmanship, and connection to the earth.

Green Horizons in Travel

Tourism, too, is undergoing a quiet revolution. The idea of green travel emphasizes experiences that are low-impact and community-centered. From eco-resorts built with natural materials to carbon-neutral flights and wildlife conservation tours, travelers are increasingly drawn to destinations that respect nature. This shift is not only ecological but also cultural—it allows people to rediscover simplicity, authenticity, and harmony with the landscapes they explore.

Art in the Age of Ecology

The Green Horizon also finds expression in art and design. Sculptures made from reclaimed wood, murals advocating climate awareness, and digital art installations powered by renewable energy highlight the intersection of creativity and sustainability.

Artists worldwide are using their platforms to remind society that beauty need not come at the cost of nature. The very definition of art is expanding—from aesthetics alone to aesthetics with purpose.

Food as a Cultural Shift

On our plates too, the Green Horizon is visible. Farm-to-table dining, organic produce, plant-based diets, and reduced food waste practices are shaping a healthier lifestyle for both people and the planet. Traditional recipes, once forgotten, are being revived as part of cultural heritage—demonstrating that sustainable eating is not just modern, but deeply rooted in wisdom passed down through generations.

Conclusion

The Green Horizon is not confined to policies or industries—it is alive in the choices we make every day. It is visible in the clothes we wear, the art we create, the journeys we take, and the meals we share. More than a theme, it is a cultural renaissance—one that proves sustainability can be stylish, purposeful, and profoundly human.



CIVIL ENGINEERING: *A Recession-Proof Profession*

When the world talks about recession, layoffs, and shrinking industries, one stream of engineering continues to stand tall—Civil Engineering. Why? Because while technology trends may rise and fade, while markets may boom and collapse, the need for roads, homes, water, and shelter never disappears.

Civil engineering is the profession of essentials. Long before words like “AI,” “apps,” or “startups” became buzz, societies were built on bridges, dams, and buildings. And even today, whether the economy is at its peak or struggling to recover, people still need safe houses, cities still need better roads, industries still need stronger infrastructure. Growth may slow, but construction never truly stops.

Unlike many industries tied to changing consumer behavior, civil engineering is tied to human survival and progress. No one can put a pause on drinking water, electricity, transportation, or shelter. Even in downturns, governments invest heavily in infrastructure to revive economies—roads, railways, and housing projects become the very tools to fight recession. In fact, history has shown us that construction is often the first sector that rebounds after financial slowdowns, bringing thousands of jobs along with it.



And now, with the vision of smart cities, green buildings, and climate-resilient infrastructure, the demand is only set to grow. Civil engineers aren't just builders anymore—they are innovators designing eco-friendly structures, integrating renewable energy, and creating sustainable spaces. These are not temporary trends; they are the foundations of the future.

Yes, the world may see recessions in technology, finance, or manufacturing. Startups may come and go, industries may rise and fall. But civil engineering remains timeless—because humanity will always build, always repair, always expand.

So, for every student in this field, here lies the reassurance: you are entering a profession that doesn't vanish with market crashes. You are stepping into a career that is not only stable but also deeply impactful. While others may fear uncertainty, civil engineers stand firm, because no matter what happens in the economy—the world still needs to be built.

After all, civilizations don't stop for recessions. And neither does civil engineering.

~Prasanna Bodade (SE)



Concrete Beyond Grey: Unlocking the Hidden Potential of an Everyday Material



When most people think of concrete, the image that comes to mind is a dull, grey slab of material—boring, lifeless, and functional at best. But for students of engineering, architecture, and design, concrete is far more than just grey. It's a canvas, a puzzle, a science experiment, and a story of human innovation rolled into one. Today, the world is discovering that concrete is not just a building material—it's a medium that can be vibrant, sustainable, and revolutionary.

Concrete: More Than Just Grey

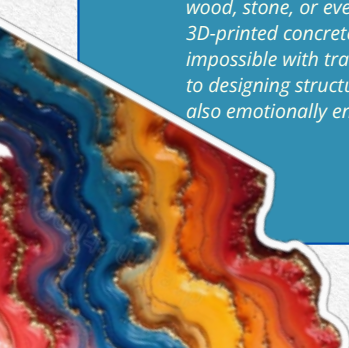
Traditionally, concrete is made of cement, water, and aggregates like sand and gravel. Its natural color is grey, but this basic formula is just the beginning. Engineers and designers are now exploring ways to manipulate concrete's appearance, texture, and even its internal properties to create structures that are visually stunning and environmentally smart. Imagine sidewalks that glow at night, walls that change color with temperature, or bridges that clean the air around them. These are not sci-fi dreams—they are real developments in modern concrete technology.

Colorful Concrete: A Playground for Creativity
Color in concrete is achieved through pigments, aggregates, or chemical admixtures. Students experimenting with colored concrete often find themselves in a mix of chemistry and artistry. For instance, adding iron oxide pigments can produce shades of red, yellow, or brown, while cobalt or copper compounds can create vibrant blues and greens. Beyond aesthetics, colored concrete allows urban designers to play with patterns and textures, turning streets, parks, and school campuses into lively, inviting spaces.

Texture and Form: Sculpting Grey Matter

Concrete isn't just about color—it's also about shape and texture. Using different molds, finishes, and surface treatments, students can turn ordinary slabs into pieces of art. Exposed aggregate finishes reveal the natural stones inside, giving the surface a rich, tactile feel. Stamped or etched patterns can mimic wood, stone, or even fabric. Architects are now using 3D-printed concrete to create intricate forms that were impossible with traditional methods. This opens doors to designing structures that are not only functional but also emotionally engaging.

~ Harshal Mhaske (SE)



BELIEVE, AND YOU WILL BECOME

I DID IT!

Walk through any college corridor and you'll notice something beyond the laughter and the chatter. Behind many smiles, there hides a quiet doubt. A doubt that whispers, "Am I good enough?" Far too often, students shrink their dreams because they don't believe in themselves. They hesitate to raise a hand in class, to step on a stage, or to share an idea—afraid of being judged, afraid of standing out.

But here's the truth: every achiever you admire once stood exactly where you are now—unsure, hesitant, and uncertain. The difference is, at some point, they chose to silence the doubt and take that one bold step forward. Confidence doesn't come from waiting; it comes from doing.

The problem with not believing in yourself is that you start living in the shadows of others. You measure your worth by comparisons, forgetting that every student has their own unique story, their own strengths, their own pace. The world does not need a second version of someone else—it needs the first version of you.

It's okay to stumble, it's okay to make mistakes. In fact, mistakes are proof that you dared to try. The stage you fear, the answer you hesitate to give, the competition you avoid—each one is a chance to discover yourself. Confidence isn't about never failing, it's about knowing that even if you fall, you have the strength to rise again.

If you don't believe in yourself, why should anyone else? The greatest projects, the boldest innovations, the most unforgettable performances—all began with someone saying, "I can do this." That spark of belief can transform an ordinary student into a leader, a creator, a changemaker.

So, to every student reading this: stop waiting for permission to shine. Stop thinking your voice doesn't matter. Start small—speak up in class, share your ideas, step forward in events. Every time you act, your confidence grows stronger.

The world outside is full of challenges, but it is also full of opportunities. And the first step to grabbing them is simple: believe in yourself. Because the moment you do, you stop being just another face in the crowd—you become the one who stands out.

After all, confidence isn't something you find. It's something you build. And the foundation of it all... is you.

Dr. Smita Daterao



Water: The Blue in the Green Horizon

When we imagine a green horizon, it is impossible to ignore the vital role of water—the shimmering blue thread that sustains life and nourishes every shade of green. Water is not just a natural resource; it is the very foundation of ecosystems, agriculture, industry, and human survival. Without the blue, the green cannot exist.

The Silent Crisis

Today, the world faces a growing water crisis. Rapid urbanization, deforestation, pollution, and over-extraction of groundwater have left rivers shrinking and lakes drying up. Climate change further intensifies this problem, bringing irregular rainfall, severe droughts, and floods. Ironically, while some regions suffer from water scarcity, others are inundated with excess water—reflecting how mismanagement is as much a threat as shortage.

Water Conservation: A Shared Responsibility

In the journey toward a sustainable future, water conservation is not a choice but a necessity. Traditional methods such as rainwater harvesting, step wells, and community ponds remind us of how wisely our ancestors managed water. Today, with advancing technology, we can revive these practices and blend them with modern solutions such as:

- *Rainwater Harvesting Systems in homes and institutions.*
- *Smart Irrigation in agriculture to reduce wastage.*
- *Greywater Recycling for domestic and industrial use.*
- *Watershed Management to rejuvenate rivers and groundwater.*



The Role of Students and Communities

Young minds are the most powerful catalysts for change. From campus initiatives like “water audits” and awareness drives to large-scale innovations in water treatment and conservation, students can actively contribute to the blue-green balance. By spreading awareness, adopting sustainable habits, and designing water-efficient infrastructure, communities can ensure that every drop is valued.

The Blue-Green Balance

The vision of a green horizon is incomplete without the blue. Just as plants need water to grow, cities need water to survive, and industries need water to thrive. By securing our water resources, we secure the foundation of sustainability itself.

Conclusion

Water is more than a resource—it is life itself. To move toward a green horizon, we must treat water as sacred, not scarce. Let us build a future where rivers flow clean, groundwater remains replenished, and every community respects the gift of water. In protecting the blue, we preserve the green, and in doing so, we secure a sustainable tomorrow.

- Prof. Shraddha Khandare



Happenings in Department :

"Revit Software Internship Opportunity for Third-Year Students in Our Department"



“

"Design and Modeling of an 8-Storey Residential Building Using Revit Software"

TEJASWINI TONGIRE (BE)



”

"Conceptual Massing of a Traffic Island at Road Junction for Aesthetic Enhancement Using Revit"

ATHARVA KASHID (BE)



“

"Design and Modeling of a G+2 Bungalow Using Revit Software"

SHRUTI BAVISKAR (BE)



**SE Induction Program
2025-26 Organized by the
CESA to welcome students
with academic guidance,
faculty interaction, and club
introductions.**

**Led by: Prof. S. P.
Chambulwar, Prof. D. Ghule
& CESA team.**



**Kargil Vijay Diwas Celebration
Organized by 1 Maharashtra Signal
Company NCC Unit to honor Kargil
War heroes. The event included cadet
speeches, a guest lecture by Lt. Col.
Sanjay Karodpati (Retd.), a
documentary, and a quiz competition.
Event Lead: Lt. Aniket Nemade**



**NEP Day 2025: Innovation in
Education
celebrated NEP Day with
Prof. Uzma Shaikh,
highlighting NEP 2020's focus
on flexibility, innovation, and
experiential learning through
interactive activities and
discussions.**



Pune, Maharashtra, India
Dr D Y Patil Knowledge City, Chhatrapati, Via Lohgaon, 7 Km From Airport
Bhopur, Pune, Maharashtra 411004, India
Lat: 18.52700° Long: 73.81191°
+91202228 0134 PM 041 +01 50

International Day of Combating Sand & Dust Storms
Organized CESA & DSW, the event raised awareness on
environmental impacts through tree plantation, posters, and
safety activities. Led by Prof. S.P. Chambulwar, Prof. A. Sankpal
& the CESA team.

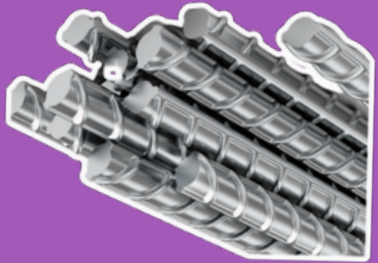


"EMPOWER YOUR MIND, SHAPE YOUR FUTURE."



Seminar on Higher Education & Careers Abroad
Held on Aug 6, 2025, for SE & TE Civil students, the seminar
offered insights into global study and career paths. Led by Prof.
Shraddha Khandare under the Higher Education Cell.

Kalika Steel



Industry Connect Session with Kalika Steels

Hosted an engaging session on KREATE 2025, a state-level competition aligned with UN SDGs. Led by Dr. Aakanksha Ingle under the T&P Cell, the event sparked innovation and offered key industry insights.



Seminar on Energy Performance in Urban Design
Organized with ISTE, the seminar on Aug 22, 2025, featured Dr. Chirag Deb and Prof. Richard (Univ. of Sydney), sharing insights on sustainability and energy-efficient urban planning. Led by Prof. Shraddha Khandare.

ISTE Student's





COLLABORATION FOR EXCELLENCE

MoU with EduCADD for Skill Development

The Civil Engineering Dept. signed an MoU with EduCADD, Akurdi, Pune on 14th Aug 2025 to enhance industry-academia collaboration and boost skill development. Led by Prof. Arun Sankpal and Prof. Shreedhar Patil.

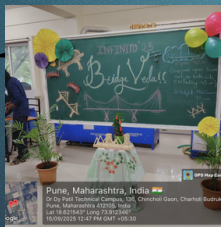




BRIDGE VEDA: BRIDGE-MAKING COMPETITION



CESA and led by Prof. S.P. Chambulwar, organized Bridge Veda, a hands-on bridge-making competition. The event encouraged creativity, teamwork, and application of engineering principles, promoting practical learning among students.

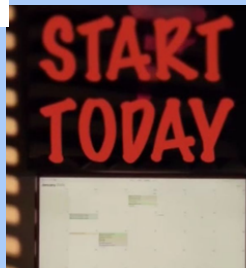


Nest & NATURE



Reel It up

Celebrated Engineers Day
with creative student
videos.





Expert lecture on the "Maharashtra Land Revenue Code, 1966" on 11th September 2025, led by Adv. Rutuja Jadhav, featuring practical insights and a student role play.

Visited a bridge construction site on Alandi Road, Pune, on 12th September 2025. B.E. and T.E. students gained practical insights into bridge construction, types, and processes.



CESA hosted a session on "BIM NEXT – The BIM Revolution Series" on 18th September 2025. Led by Mr. Kaustub Panse (MD, Design Studio), the session offered valuable insights into efficient project visualization and execution using modern BIM applications.



Seminar on
 "Careers in
 Defence Forces &
 Civil Services"
 was held on 19th
 September 2025,
 organized by
 Ajeenkya DY Patil
 School of
 Engineering, NCC
 Unit, and the
 Civil Engineering
 & AI departments,
 inspiring
 students and
 cadets to explore
 leadership roles
 and serve the
 nation.





LECTURE ON "THE ART OF COMMUNICATION & INTERVIEW PREPARATION" PRESENTED BY MS. ZOYA KHAN

In this comprehensive session, Ms. Khan explored strategies for effective verbal and non-verbal communication, enhanced presentation skills, and techniques to confidently prepare for interviews. The lecture aimed to equip students with tools for clarity, professionalism, and poise in both academic and professional settings.

Site visit to the Hot Mix Plant, Yerwada, Pune, on 25th September 2025, as part of the Transportation Engineering curriculum. The visit provided practical exposure to plant operations, with thanks to Er. Tushar Khare for his guidance and support.





The Civil Engineering Department proudly participated in the institute-level 'Taste of Wellness' competition and secured the Runner-up position



The team showcased an innovative 'Farali Foods' menu inspired by the vibrant eight colours of Navratri, promoting health, tradition, and creativity on one platter."



ACHIEVEMENTS



Proud Moment for the Civil Engineering Department! 🏆

Heartiest congratulations to Mr. Devesh Katlam (Batch OF 2023) for being recommended for SSC Tech 65 from 17 SSB, Bangalore on 29th June 2025. He will soon begin his training at the Officers Training Academy (OTA), Gaya, Bihar from October 2025.

Devesh has consistently showcased exemplary dedication and excellence — earlier being recommended for CDSE-Navy (AIR 82) at NSB Vizag, for the Air Force through AFCAT (AIR 232), and also for the Navy-Pilot entry from 12 SSB Bangalore.

Heartfelt congratulations to Prof. Abhijit Garad on completing his PhD degree from JJTU University on 29th August 2025.

Your dedication and perseverance have paid off. Wishing you continued success and growth!



ACHIEVEMENTS



SANDIP UNIVERSITY

Maharawal, Trilok Road, Nashik - 422 213

Website <http://www.sandipuniversity.edu.in> Email : info@sandipuniversity.edu.in
Ph: (02594) 222 340/2 Fax: (02594) 222 340

Ref. No: SUN/Ph.D./Allot. Of Co-Sup/ 593-1

Date: 18/09/2025

To,
Dr. Smita Kiran Daterao,
Assistant Professor,
Department of Civil Engineering,
Apeekya D.Y. Patil School of Engineering, Charholi (BK) Pune.

Reference: 1. Your application dated 04/04/2024 for consideration as Co-Supervisor.
2. Recommendation of Research Advisory Committee (RAC) dt.23/08/2025

Sub: Appointment as a Research Co-Supervisor for PhD Research Scholar

Dear Madam,
We are pleased to inform you that University Research Committee (URC) Sandip University, Nashik has approved your appointment as Research Co-Supervisor for the research scholar and research topic mentioned below:

Topic Name	Utilization of Municipal Solid Waste Ash from Thermal Power Plant in Self Compacting Concrete- An Experimental Investigation
Name of Research Scholar	Mr. Pail Shiveldar Deepak
PRN No.	232101347012
Name of Department	Civil Engineering
Name of Supervisor	Dr. Arun Kumar Dwivedi, Professor, Civil Engg., SoET, SUN
Mobile No.	8983788057
Email Id	aran.dwivedi@sandipuniversity.edu.in

The functions & responsibilities shall be as described in the Sandip University Ph.D. Regulations, 2018 and UGC (Minimum Standard and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016.

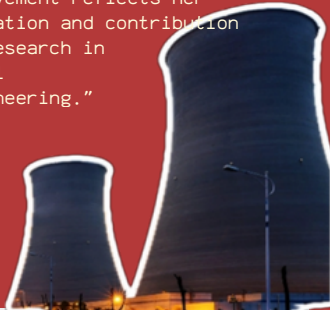
Thanking you,

Mr. Arun K. Dwivedi
Assistant Registrar
(Research)



Copy To:
a) Research Supervisor
b) DRG Chairperson
c) Student Personal File

"Dr. Smita Kiran Daterao has been appointed as Research Co-Supervisor for a Ph.D. scholar at Sandip University, Nashik. This achievement reflects her dedication and contribution to research in Civil Engineering."



"Shruti Baviskar has successfully completed multiple certified courses and actively participated in national-level hackathons. Her achievements reflect dedication towards learning, innovation and research excellence."



CERTIFICATE OF COMPLETION

Presented to

Shruti Baviskar

For successfully completing a free online course
Excel for Beginners

CERTIFICATE OF ACKNOWLEDGEMENT

THIS IS TO CERTIFY THAT

Shruti Somnath Baviskar

successfully submitted their idea for the Bharatiya Antariksh Hackathon 2025.
Their participation reflects innovation, curiosity, and commitment in solving real-world challenges of space and technology.
We acknowledge their contribution and celebrate their spirit of exploration in advancing India's space innovation journey.

Certificate Code: 2025090808405-410287





Our talented students showcased their creativity and skills by crafting an impressive steel trophy at the competition organized by Kalika Steel.

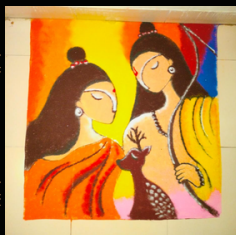
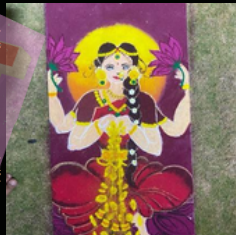
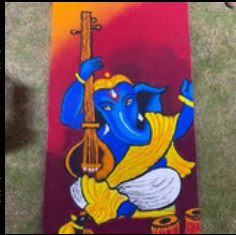




Celebrating Art and Aesthetics

The talented student of the Civil Engineering Department brought color and creativity to life through stunning rangoli designs and beautifully crafted bottle paintings, reflecting her artistic spirit and attention to detail.

_TEJASWINI TONGIRE
(BE)



FILM

FILM NEGATIVE

FILM NEGATIVE

FILM NEGATIVE

FILM NEGATIVE

FILM NEGATIVE

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We are proud to announce that our
students have been selected to
represent at the
"SPPU Zonal Level Water Polo Competition"

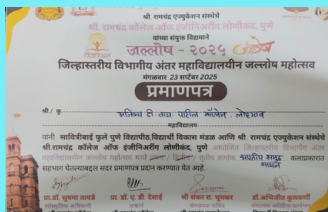


Secured 1st & 2nd Place & Selected For Zonal Matches.
Your outstanding performance and dedication have made
us proud.

Keep shining and achieving new heights!



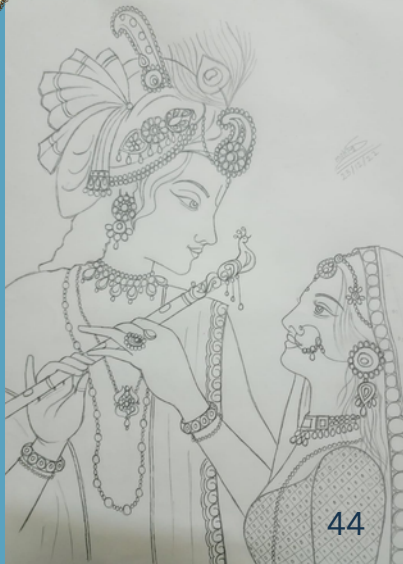
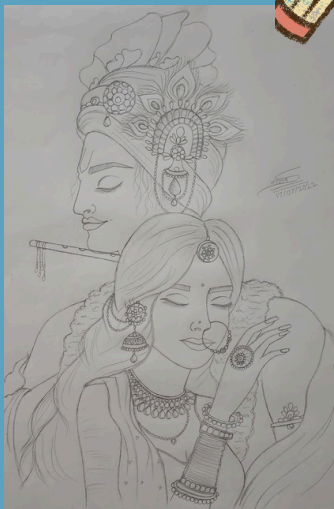
Sahil Taur & Vaishnavi Munjal bagged multiple prizes at the SPPU Youth Festival, showcasing her exceptional talent. There achievements in various cultural events brought glory and recognition to our institute.





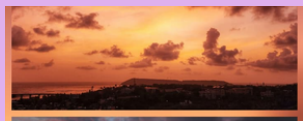
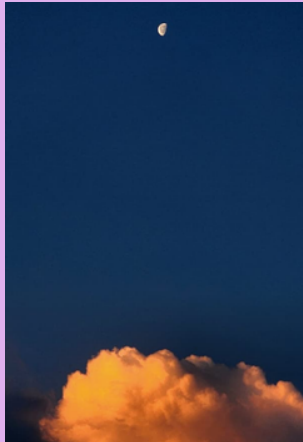
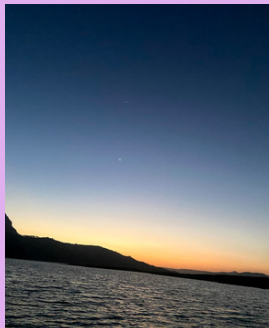
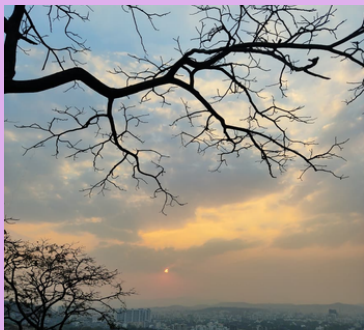
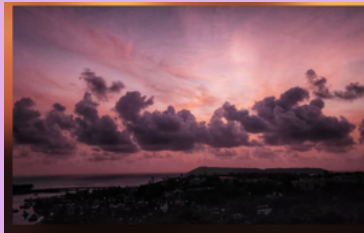
"Drawings that transform thoughts
into colors and dreams into
form." by
Sachin Mehta (BE)

"Every stroke tells a
story, every shade
reflects a young
imagination." by Janhi
Raut (TE)



"Each frame reflects the quiet poetry of nature as seen through a traveler's vision."

"Where learning meets wonder, the landscape finds its voice in these captures." by Sachin





“प्रकृति की गोद में”

हरी-भरी ये धरती प्यारी,
फूलों की मुस्कान न्यारी।
नदियों की लहरें गुनगुनातीं,
पंछी सुबह-सुबह गीत सुनातीं।

पेड़ों की छांव में सुकून है,
ठंडी हवा में जादू जून है।
सूरज जब उगता है नभ में,
आशा बिखरती हर रंग में।

सिखाती है ये हरियाली,
जीवन में रख सदा खुशहाली।
प्रकृति है माँ, इसका मान करो,
इसकी रक्षा में अपना योगदान करो।

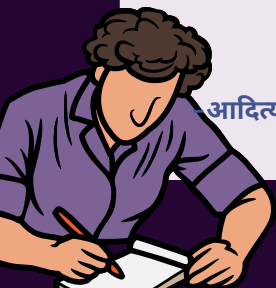
-गौरव गारदे (BE)



‘इंजिनियरिंग च्या स्वप्रातला प्रवास’

सकाळची घंटा, वहीतला कोरा पान,
आणि मेंदूत नाचणारे हजारा गणिती
मान. कधी लेक्चरची झोप, कधी
असाइनमेंटचा ताण, पण हाच तर आहे
आयुष्याचा सुंदर टप्पा महान.
वर्कशॉपचा धाम, प्रोजेक्टची झुंज,
कधी पास मार्कसाठी प्रार्थना, कधी
यशाची गूंज. मित्रांच्या गप्पा, कॅन्टीनचा
चहा, आणि स्वप्रात बांधलेला स्वतःचा
इथे फक्त नवुस्तकगामाही प्रहजीवन शिकतो
आपण, चुका करून, पडून, पुन्हा उभं
राहून. चार वर्षांचा हा प्रवास,
आठवणींचा खजिना, आणि मनात
एकच विश्वास - "उद्याचं आकाश
आपलं आहे ना!"

— आदित्य कोंकणे (SE)





Where Earth Meets Innovation

From stone and steel to sun and breeze,
We build with care the earth's decrees.

Bridges rise, yet rivers gleam,
Sustaining life, a shared dream.

Walls now breathe, and roads now heal,
With nature's touch in every steel.

Each blueprint holds a greener art

A vision born from mind and heart.

So let the skyline softly sing,
Of balance bright and hope we bring.
For every beam and brick we lay,
Builds greener worlds in every way.

_ Mrunal Shirsath (BE)



*Poetic message by
Editorial Team*



Be the Green Change
A tree you plant, a life you save,
A kinder path the world will pave.

Turn off the lights, the tap, the waste,
Let green return with gentle haste.

Walk, not drive; reuse, repair,
Show our planet that we care.

One small act by me and you—
Can paint the Earth in colors new.

So let's unite, both heart and hand,
To heal and guard this precious land.

Our future bright, our conscience clean,
Together we'll make the planet green!



Answer: A foundation.

Answer: The underground drainage system

Answer: The force of compression

I hold up buildings
but am never seen;
I'm buried deep
yet my strength is
keen.
What am I?

What's essential
for every road,
though you'll never
see it from above?

I'm all about
pressure, pushing
force down tall
spires,
I make sure
buildings stand,
resisting collapse
from fires.
What force am I?

RIDDLES

Four legs I have,
but I'm not alive; I
hold up what's high,
Scaffold's my
name, support my
game—above the
ground I lie.

I fill the gaps
'tween brick and
stone, binding every
piece;
Without me joints
would loose their
hold, building
strength would
cease.
What am I?

Answer: Scaffolding.

answer: mortar

TODAY, SOLAR ENERGY STANDS AS
THE BEACON GUIDING US TOWARDS
A BRIGHTER FUTURE.

SAVE ENERGY, SAVE EARTH!

