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Earth Crosses Its First Climate Tipping Point: A New Reality Begins

Mugdha Jugran

New Delhi: The world has just crossed a line that can't be undone. Not one drawn on a map, but one that marks the start of a new climate era - a reality scientists have warned about for years.

In a historic declaration earlier this month, researchers from the University of Exeter and the Stockholm Resilience Centre confirmed that Earth has officially passed its first climate tipping point: the large-scale collapse of warm-water coral reefs.

This is the first irreversible shift among the 16 global tipping systems - natural processes so vital that their breakdown can permanently alter the planet's balance.

Coral reefs have always been described as the "rainforests of the ocean." Though they cover less than 1% of the sea floor, they support about a quarter of all marine life, while providing food and livelihood to millions of people. According to the 2025 Global Tipping Points Report, these colourful underwater ecosystems are now undergoing "widespread dieback" which is a scientific term for massive, irreversible coral death.

The report estimates that this tipping point was triggered when global temperatures rose between 1.0°C and 1.5°C above pre-industrial levels, with the central estimate around 1.2°C. Earth's temperature has already increased by roughly 1.4°C, meaning the boundary has been crossed. Since early 2023, around 84% of coral reefs across more than 80 countries have been affected by extreme heat and bleaching.

The main cause is heat. Rising greenhouse gas emissions have pushed ocean temperatures to record highs, leading to intense and prolonged marine heatwaves. When exposed to such heat, corals expel the algae that give them their colour and energy, leaving them pale and fragile. Without recovery time, they die. Ocean acidification and coastal pollution only worsen the damage, pushing ecosystems past the point of return.

Earth's first confirmed climate tipping point is the irreversible collapse of warm-water coral reefs, triggered when global temperatures surpassed 1.2°C above pre-industrial levels.

The loss of coral reefs extends far beyond marine life. Reefs act as natural barriers, protecting coastlines from erosion, storms, and rising sea levels.

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Indian's Concerns

- India, with major coral regions like Lakshadweep, Andaman-Nicobar Islands, and Gulf of Mannar, faces direct ecological and economic risks.
- India's rapid coastal warming and frequent marine heatwaves have accelerated coral bleaching in its coastal waters.
- Indian coral reefs, particularly around Lakshadweep and the Andaman Sea, have already experienced mass bleaching events due to rising ocean temperatures.
- Pollution, destructive fishing practices, and tourism pressure in areas like the Gulf of Kutch worsen coral vulnerability.
- Millions of Indians depend on coastal fisheries and tourism supported by coral reefs.
- The loss of reefs increases coastal erosion and storm damage, especially affecting fisherfolk and low-income coastal populations.
- Coral reefs contribute to fisheries, tourism, and shoreline protection, all vital to India's Blue Economy.
- Their decline threatens food security, tourism revenue, and coastal protection infrastructure.
- India must balance development with environmental protection, ensuring resilience of its marine ecosystems and coastal communities.

Vastav AI–India's Shield Against Deepfakes

In a time when anyone can make "real" look fake and "fake" look real, India has stepped up with a smart defense - Vastav AI. Created by Zero Defend Security, this new-age system can spot AI-generated deepfakes across videos, images, and audio clips within seconds. Deepfakes have become a global nightmare-realistic enough to trick even the sharpest eyes. From political speeches to celebrity videos, the internet is flooded with synthetic media that spreads faster than the truth. That's where Vastav AI comes in. It scans every pixel, soundwave, and data pattern to check if the content has been digitally manipulated. Powered by machine-learning algorithms and forensic AI tools, Vastav AI doesn't just identify fakes - it learns from them. The more it detects, the smarter it becomes. This helps journalists, investigators, and social-media platforms verify content quickly before it misleads millions. What makes this invention stand out is its Indian origin and its mission-l realities. As misinformation becomes more sophisticated, tools like Vastav AI remind us that technology can also be our strongest shield. In a world where lies travel at the speed of light, Vastav AI gives truth a fighting chance - proving that India isn't just keeping up with the AI revolution, it's leading it.

MoJo Magic at IMS: Turning Smartphones into Newsrooms!

IMS News Service

New Delhi: In a bold leap toward the future of media education, the Department of Journalism and Mass Communication at IMS Ghaziabad (University Courses Campus) has introduced an exciting new specialization -Mobile Journalism (MoJo). With smartphones transforming into mini newsrooms, the initiative signals a fresh, dynamic approach to storytelling in the digital age.

At IMS Ghaziabad, learning no longer stops at the classroom door. Students now step into the field - capturing stories, recording interviews, editing visuals, and publishing content right from their mobile devices. From day one, they've been immersed in hands-on workshops that blur the line between learning and professional practice.

The MoJo specialization isn't just about technology-it's about reinventing journalism. Students are trained to frame the perfect shot, conduct compelling interviews, and craft impactful video stories, all while adhering to journalistic ethics and accuracy. They also explore mobile tools for live reporting, podcasting, and instant publishing, mastering the rhythm of modern digital newsrooms. What sets this course apart is its industry-aligned focus. Designed to match the pulse of contemporary media, it prepares learners for a fast-paced world where creativity meets credibility. The result? Self-reliant storytellers who can produce professional-quality content anytime, anywhere. The excitement on campus is palpable. For many, this new way of learning has unlocked a deeper understanding of how journalism is evolving-faster, leaner, and more mobile than ever before. With the launch of MoJo, IMS Ghaziabad has reaffirmed its commitment to innovation in media education-empowering students not just to report the news, but to redefine how it's told in the digital era.

Biodiversity is Facing Crisis in India

Yashika Kaushik

New Delhi: Biodiversity means the variety of all living things – human beings, animals, birds, fishes, and even microorganisms – that together keeps nature in balance. But…in today's world, this balance is in serious danger. Recent global reports show that nature's richness is fading faster.

According to the living planet report 2024 by WWF and the Zoological society of London, wildlife populations around the world have fallen by 69% since 1970. This shows how Human Actions like – deforestation, pollution, and, climate change are harming the planet. Scientists warn that if this continues, many species could soon disappear for forever.

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Guest Editor of This Issue

From the Editor's desk

Ms. Neha Singh
Vice Principal (e-Kidz)
Narayana e-Techno school, Ghaziabad

Importance of Yoga, Knowledge of the Vedas, Chanting, and Meditation in Students' Lives

Education is not only about gaining academic knowledge but also about developing a balanced mind, body, and soul. In today's fast-paced and competitive world, students often face stress, distractions, and a lack of focus. This is where the ancient Indian practices of Yoga, Vedic knowledge, chanting, and meditation play a vital role in shaping a student's overall development.

Yoga helps students maintain physical health, improve concentration, and build mental strength. Regular practice of yoga keeps the body flexible and the mind calm, allowing the students to manage stress and perform better in their studies. It also instills discipline, patience, and self-awareness-qualities essential for success in life.

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पत्रकारिता में सच और ईमानदारी ही सबसे बड़ा हथियार: सईद अंसारी

आईएमएस गाज़ियाबाद (यूनिवर्सिटी कोर्सेज कैंपस) द्वारा आयोजितप्री-ओरिएंटेशन कार्यक्रम 'PHOENIX 2025' में मुख्य अतिथि सुप्रसिद्ध ऐंकर एवं आज तक के कार्यकारी संपादक सईद अंसारी रहे। इस अवसर पर IMS Today की रिपोर्टर मोक्षा त्यागी को श्री अंसारी से विशेष बातचीत का अवसर मिला। इस संवाद में उन्होंने मीडिया की विश्वसनीयता, डिजिटल पत्रकारिता की चुनौतियाँ और युवाओं की भूमिका जैसे महत्वपूर्ण विषयों पर अपने विचार साझा किए। प्रस्तुत हैं इस वार्ता के प्रमुख अंश:

मोक्षा त्यागी

आजकल पत्रकारिता में फैक्ट्स को लेकर बड़ी चुनौती है। सोशल मीडिया के जरिए कई बार लोगों तक गलत खबरें चली जाती हैं। ऐसे में उदीयमान पत्रकार को क्या करना चाहिए?

पत्रकारों को फैक्ट्स पर टिके रहना चाहिए। अपनी आंखों से देखना चाहिए। फैक्ट्स चेक करना चाहिए। जो सच है वही बात करनी चाहिए। किसी भी खबर का स्रोत बहुत महत्वपूर्णहै। कोई जानकारी आपके पास आई कहां से है, वह देखना आवश्यक है।

आपने 10 तक और कई अन्य प्राइम टाइम शोज होस्टकिए हैं। आप एक शो को बनाने के लिए क्या तैयारियां करते हैं?

हमारी पूरी टीम होती है। किसी भी एक शो को बनाने के लिए कई घंटों का समय लगता है। सबसे पहले एक एडिटोरियल मीटिंग होती है। उसमें तय होता है कि हम क्या-क्या दिखाएंगे। फिर रिसर्च का प्रक्रिया होती है। फिर हमारे प्रोड्यूसर्स स्क्रिप्ट लिखते हैं। फिर ग्राफिक डिजाइनर उसे सुंदर बनाते हैं। ग्राफिकली प्रेजेंटेशन होता है और कैमरामैन अच्छी तरह से शूट करता है। संवाददाता रिपोर्टभेजते हैं। ये किसीएक इंडिविजुअल का शो नहीं होता। हम तो सिर्फ प्रेजेंट करते हैं उस शो को। लेकिन उस शो के पीछे प्रोड्यूसर, डायरेक्टर, कैमरा पर्सन, हमारे रिपोटरों, टेक्निकल स्टाफ, ग्राफिक डिजाइनर सबकी मेहनत छुपी होती है। जैसे मम्मी घर में खाना बनाती है। बढ़िया खाना हमारे सामने होता है। उसी खाने को अगर हम परोस देते हैं तो तारीफ हमें भी मिल जाती है।

एआई के दौर में पत्रकारिता में क्या चुनौतियां हैं?

एआई के दौर में पत्रकारिता और भी आसान हो गई है। एआई आपकी मदद के लिए है। हमें कभी भी टेक्नोलॉजी से डरना नहीं चाहिए। हमें उसका सही इस्तेमाल करना चाहिए।

जो छात्र पत्रकारिता के क्षेत्र में सपना देखते हैं वो इस क्षेत्र में आगे जाने के लिए क्या करें?

पत्रकारिता के क्षेत्र में आगे जाने के लिए हमें ईमानदारी से अपना काम करना चाहिए और सच को सच बोलना चाहिए। किसी से डरना नहीं है। बिना डर के सवाल पूछें। सबसे महत्वपूर्णहै, एक अच्छा इंसान बनें। हम अच्छा इंसान होंगे तो किसी के साथ भेदभाव नहीं करेंगे।

When Happiness Turns Hazardous

Bhumi Chaudhary

Diwali, the festival of lights, joy, and togetherness is one of the most cherished celebrations in India. Streets glow with lamps, homes sparkle with decorations, and hearts overflow with happiness. Yet, amid the laughter and light, an invisible darkness rises—the darkness of pollution. Every year, as fireworks fill the skies, the same joy that unites us begins to harm the very air we breathe. This is the story of how happiness, in excess, turns hazardous.

The essence of Diwali lies in light overcoming darkness and good defeating evil. Traditionally, people celebrated by lighting diyas, sharing sweets, and spreading love. But with time, commercialization and modern enthusiasm have replaced simple traditions with loud crackers and dazzling displays of smoke and sound. These crackers, though short-lived in beauty, leave behind long-lasting harm - thick layers of smog, toxic chemicals in the air, and choking pollution levels that linger for days.

Each burst of a firecracker releases harmful gases like sulphur dioxide, carbon monoxide, and nitrogen oxide. The fine dust particles settle in the air, making it difficult to breathe, especially for children, the elderly, and those with respiratory problems. Cities like Delhi, Mumbai, and Patna often record "severe" air quality levels after Diwali, where the air becomes unsafe even to step outside. Hospitals witness a rise in asthma attacks, coughing fits, and irritation in the eyes and throat. What was meant to be a celebration of light ironically turns into a night of suffocation.

The damage doesn't stop at air pollution. The noise from crackers disturbs animals, birds, and even infants who are terrified by the constant explosions. Stray dogs run in panic; birds abandon their nests. Rivers and soil are polluted when leftover chemicals and cracker debris wash away into the environment. The festive joy that should heal and unite life instead becomes a source of harm for every living being around us. Yet, all is not lost. The realization is slowly dawning upon people. Schools, communities, and even young children have begun to spread awareness about celebrating an eco-friendly Diwali. Many families now choose diyas over crackers, sweets over smoke, and compassion over carelessness. Green crackers, community fireworks, and collective celebrations in open spaces are small yet meaningful steps towards a safer festival.

Happiness need not be loud to be felt. The glow of a diya is brighter than the sparkle of a cracker when it carries the warmth of thoughtfulness. The true spirit of Diwali lies not in how much we light outside, but how much we enlighten within. If we wish to honour the festival's message, we must let awareness and responsibility guide our joy.

Let this Diwali be different - one where our smiles don't come at the cost of the planet's tears. For when happiness becomes hazardous, it ceases to be happiness at all. But when celebration meets conscience, Diwali truly becomes what it was meant to be - a festival of light, life, and lasting peace.

Pollution of Delhi and NCR After Diwali

After Diwali 2025, Delhi and the surrounding NCR region witnessed a sharp rise in air pollution levels due to widespread firecracker bursting, low wind speed, and cool weather conditions. The thick smog blanketed the city, reducing visibility and causing discomfort such as eye irritation and breathing problems among residents.

According to monitoring agencies, Delhi's overall AQI touched around 352, falling in the "Very Poor" category, while several areas like Anand Vihar and Jahangirpuri crossed 400, entering the "Severe" zone. Neighboring cities such as Ghaziabad (~375), Noida, and Greater Noida (~329) also recorded "very poor" air quality levels.

Environmental Literacy During Festivals

For example, burning firecrackers during Diwali leads to heavy air pollution and respiratory problems, especially among children and the elderly. Awareness of this issue has encouraged many people to choose "green crackers,"

Hritik

Festivals bring joy, devotion, and unity among people. Yet, they often leave behind a trail of pollution, waste, and resource depletion. In such situations, environmental literacy becomes vital-it helps individuals understand how to celebrate festivals responsibly without harming the environment. Being environmentally literate during festivals means making wise choices that respect both cultural traditions and ecological balance.

Environmental literacy encourages people to learn about the environmental impact of their actions and adapt sustainable alternatives. For example, burning firecrackers during Diwali leads to heavy air pollution and respiratory problems, especially among children and the elderly. Awareness of this issue has encouraged many people to choose "green crackers," which emit fewer pollutants, or to celebrate by lighting diyas and spending quality time with family instead. This shift in behavior reflects true environmental literacy. Another strong example is the transformation of Ganesh Chaturthi celebrations in Pune and Mumbai.

Traditionally, large idols made of Plaster of Paris and chemical paints were immersed in rivers, damaging aquatic life and polluting water bodies. However, with increasing environmental awareness, many communities and organizations have started using clay idols decorated with natural colors. Some even promote "home visarjan" (immersion at home in a bucket) or use small, soluble idols. The Pune Municipal Corporation also provides separate water tanks for eco-friendly immersion. These changes show how collective awareness and education can turn a cultural event into an environmentally responsible celebration.

Similarly, during Holi, people are now choosing natural colors made from turmeric, flowers, and beetroot instead of harmful synthetic dyes. In Navratri and Durga Puja, pandals are being decorated with biodegradable materials and solar-powered lighting. These examples prove that when people become environmentally literate, they can keep cultural values intact while reducing ecological harm.

Educational institutions and media play a significant role in promoting this literacy. Schools organize awareness programs before festivals, and media campaigns encourage eco-friendly celebration tips. This motivates communities to understand that protecting nature is also an act of devotion.

In conclusion, environmental literacy during festivals teaches us that true celebration is not just about rituals and lights, but about harmony between humans and nature. Through awareness, education, and mindful practices, every festival can become a symbol of sustainability-where faith meets responsibility.

Earth Crosses Its First Climate Tipping Point:

Continued Page 1...

Their disappearance leaves millions in coastal areas, particularly in nations like Indonesia, Australia, and India, more exposed to natural disasters. The collapse also threatens fisheries and tourism industries worth billions of dollars globally, putting livelihoods and food security at risk.

But beyond economics, this marks a deeper turning point. Coral reefs are essential for maintaining ocean chemistry and biodiversity. Their collapse weakens marine food chains, alters carbon storage, and destabilizes ecosystem - effects that will ripple through the entire planet.

The Global Tipping Points Report warns that this may only be the beginning. Other critical systems such as the Greenland and West Antarctic ice sheets, the Amazon rainforest, and major ocean currents are dangerously close to their own tipping points.

Each system is connected; when one falls, others become more vulnerable. The collapse of coral reefs shows how fast those dominoes can start to fall once a threshold is crossed.

Still, scientists insist that all is not lost. The same report highlights the emergence of "positive tipping points" - rapid shifts toward renewable energy, electric vehicles, and sustainable farming that could trigger self-sustaining progress. These transitions, if accelerated, might help slow the pace of planetary warming and prevent more tipping points from being crossed.

This moment is not just another climate warning; it is a confirmation that the world has already begun to change in irreversible ways. The ocean, once stable and abundant, is now shifting before our eyes. The loss of coral reefs is a signal that climate change is no longer a distant scenario; it's happening now, shaping the future of ecosystems, economies, and human life. Crossing the first climate tipping point is both a wake-up call and a test of response. What happens next will depend on whether humanity continues on its current path or chooses to act fast enough to keep the rest of Earth's systems from collapsing too. The reefs are gone. The next line is already forming.

Biodiversityis Facing Crisis in India

India, which is home to some of the world's most unique ecosystems-from the Himalayas to the Sundarbans – is also facing this crisis. The India state of Forest Report2023 says that although tree cover has slightly increased, dense forests are reducing in several states due to urban growth, farming, and, mining. As a result, animals like – tigers, elephants are losing their homes.

A 2025 study by the university of Zurich also found that human activity has reduced biodiversity by almost 20% worldwide, especially in rivers and lakes. In India, water bodies like- the Yamuna river and Chilika lake are heavily polluted. Many fishes and amphibian are dying, and people who depend on these ecosystems for their livelihood are suffering too. India has joined the Kunming-Montreal Global Biodiversity Framework, a global plan to protect 30% of earth's land and oceans by 2030. But experts say that stronger action is needed to turn promises into result.

Still, there is hope. Community projects like mangrove restoration in Sundarbans and forest protection by local groups in Odisha prove that people can bring back life to nature when they work together.

Our generation must raise awareness about this issue. Protecting biodiversity is not only about saving animals and trees –it is about protecting our own future, our food, and our planet.

From the Editor's desk

Importance of Yoga...

The Vedas , the ancient scriptures of India, contain timeless wisdom about life, ethics, and the universe. Learning about the Vedas helps students understand values such as truth, respect, and compassion. This moral foundation is important in developing character and guiding young minds toward righteous living.

Chanting and meditation are equally powerful tools for students. Chanting mantras creates positive vibrations that help in improving focus and memory. Meditation , on the other hand, trains the mind to stay calm and present. These practices enhance emotional balance, creativity, and decision-making—skills that are crucial in both academic and personal growth.

As educators, our responsibility is not just to teach lessons but to guide, inspire, and nurture students in every aspect of life. We must help them develop good habits, moral values, and a love for learning. By blending modern knowledge with our rich cultural traditions, we can create a generation that is not only intelligent but also compassionate and balanced.

In conclusion, including yoga, Vedic wisdom, chanting, meditation, and elements of the Gurukul system in today's education will lead to a more holistic and value-based learning environment—one that truly shapes both the mind and the heart.

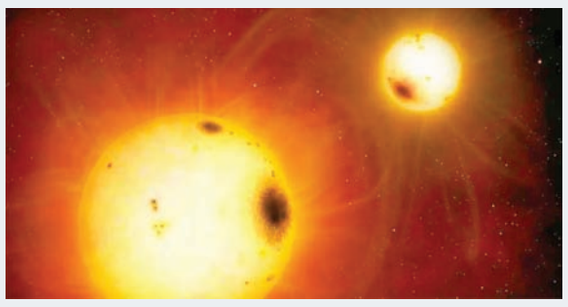
Jigyasa

SCI-TECH WORLD

Sahara's 7,000-Year-Old Skeletons Reveal Secrets of Unknown People

Archaeologists in southwestern Libya discovered a rare burial site in the Takarkori rock shelter, revealing 15 ancient skeletons, including two well-preserved women. DNA analysis of these women uncovered an unknown human lineage, proving that the Sahara was once home to a genetically isolated people. Thousands of years ago, the "Green Sahara" was a fertile land with rivers and lakes where humans thrived. These findings challenge old beliefs about migration, showing that this group lived independently for millennia despite their mobile lifestyle.

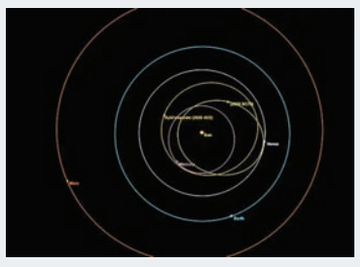
Earth-Sized Planets with Twin Suns Could Exist Beyond Our Solar System



Using NASA's TESS spacecraft, astronomers have found three Earth-sized planets orbiting a pair of stars about 190 light-years away. This system, called TOI-2267, challenges the long-held idea that binary star systems are too unstable for complex planetary formation. The discovery not only changes our understanding of how planets form but also sets new records in exoplanet research. What makes it even more fascinating is its resemblance to Star Wars' Tatooine — these planets may witness double sunsets, with two worlds circling one star and the third revolving around its stellar companion in a rare cosmic arrangement.

Newly Found Asteroid Circles the Sun Inside Venus's Orbit

Astronomer Scott Sheppard discovered asteroid 2025 SC79 using the Dark Energy Camera on the Victor Blanco Telescope in Chile. Measuring about 700 meters wide, it orbits the Sun in just 128 days, mostly within Venus's orbit - a rare trait shared by only one other known asteroid. Because such "twilight" asteroids are hard to detect, they pose potential risks if their paths shift toward Earth. Strong sunlight and thermal radiation, known as the YORP effect, could destroy 2025 SC79 within a million years, offering insight into hidden inner-Solar asteroids.



From Air to Brain: How Pollution Is Harming More Than Just Your Lungs

Anshu Kumari

In today's digital era, all of us are running behind technology. While technology gives many benefits, we often forget about its impact on the environment. Modern and digital industries and urbanization produce extreme pollution, creating numerous problems and even damaged lives.

Air pollution is no longer just about harming our lungs, skin, but it also affects the brain - sometimes even contributing to brain cancer. Polluted air contains tiny particles like PM2.5 and PM10 which are so small that they enter the nose and mix with the blood and reach the brain. These particles can cause inflammation in the brain, weaken brain cells, and reduce cognitive power. For pregnant women, exposure to polluted air can damage the healthy brain development of their babies.

Long-Term Exposure to Air Pollution

A Harvard University study on long-term exposure to air pollution found that chronic exposure to fine particulate matter not only harms the lungs but also accelerates brain aging and increases the risk of cognitive decline. **-: Dr. Elissa Wilker, Environmental Epidemiologist, Harvard University.**

Children's Brain Function and Air Pollution

A joint study by AIIMS and IIT Delhi compared 300 school children from highly polluted areas of Delhi with children from cleaner regions. The findings were alarming: Delhi children scored 20–30% lower on memory and attention tests and had higher levels of inflammatory markers in their blood. Air pollution is silently affecting children's developing brains. The damage we see today can translate into long-term learning and behavioral disorders. **Dr. Randeep Guleria, Former Director, AIIMS**

How can we prevent the damage of brain caused by air pollution

- Wear masks when going outdoors
- Take healthy diet including nuts, salad,vegetable, fruits,antioxygen Omega 3S.
- Plantation of lots of trees.
- Do daily exercises
- Cognitive activities
- Medical monitoring in a month

Air pollution contributes to

- Neurodegenerative diseases like Alzheimer's and dementia
- Stroke and vascular brain disorders
- Cognitive impairment and learning disabilities in children
- Mental health disorders such as ADHD, anxiety, and depression.

The World Health Organization reports that millions of people worldwide lose years of healthy life due to pollution-related cognitive and neurological disorders.

A Big Initiative : IMS Ghaziabad Goes Green with Smart Weather Station

IMS News Service

Ghaziabad: In a decisive move toward environmental sustainability and scientific advancement, IMS Ghaziabad University Courses Campus has signed an MoU with the Indian Institute of Tropical Meteorology (IITM), Pune, under the Ministry of Earth Sciences (MoES), Government of India, for the installation of an All-in-One Compact Automatic Weather Station (AWS) on its campus.

This modern AWS system will continuously record and monitor essential urban weather parameters including temperature, humidity, rainfall, wind speed and direction, and atmospheric pressure. The data collected will play a vital role in understanding urban weather behaviour and formulating sustainable solutions to rising environmental challenges in the Delhi-NCR region.

The MoU formalizing this collaboration was signed by Prof. (Dr.) Jaskiran Kaur, Director, IMS Ghaziabad University Courses Campus; Dr. Thara Prabhakaran, Scientist-G and Project Director, IITM Pune; and Dr. Shivasi Ajit Dixit, Scientist-F (Principal Investigator), IITM Pune. HR Manager C. S. Verma and IT head Gaurav Kaushik were also present on this occasion.

The initiative reflects IMS Ghaziabad's proactive vision of integrating scientific infrastructure with environmental responsibility, ensuring that research and education together contribute to India's larger mission of climate resilience and sustainability. The weather station will operate through a solar-powered system, ensuring minimal environmental impact while maintaining uninterrupted data collection.

विश्वविद्यालयों की खबरें

Nandini

Gujarat University to Build 'Akhand Bharat' Open-Air Museum

Gujarat University, Ahmedabad, has announced an ambitious plan to build an open-air museum and cultural gallery named "Bahuratna Vasundhara." The ! 7-crore project will highlight India's civilisational and spiritual heritage, depicting mountains, rivers, pilgrimage routes, and cultural diversity through 3-D installations and light-and-sound shows. Spread over 10,900 sq ft near the university gate, it will include an amphitheatre and digital experience zones, aimed at promoting cultural learning among students and visitors.

CUSAT is Launching Hybrid Supercomputing Facility 'Tejaswi'

Cochin University of Science and Technology (CUSAT), Kerala, is preparing to launch India's first university-based hybrid supercomputing facility, Tejaswi, worth ! 26 crore. This facility will combine high-performance computing and artificial intelligence tools to support research in climate modelling, data science, molecular chemistry, and advanced physics. The 2-petabyte storage system and GPU-based nodes are expected to significantly enhance India's research capabilities in science and technology.

Nine UK Universities Approved to Set Up Campuses in India

In a major international education development, nine UK universities have received official approval to establish branch campuses in India under the National Education Policy (NEP 2020). These campuses, expected to be located in cities like Bengaluru and Mumbai, will offer degree programs aligned with global academic standards. The move strengthens India-UK educational ties and gives Indian students access to world-class education within the country.

UGC Publishes List of 22 Fake Universities

In a major crackdown on fraudulent education institutions, the UGC released an updated list of 22 fake universities operating without proper recognition. The list includes several institutes in Delhi, Uttar Pradesh, and West Bengal. UGC advised students and parents to verify credentials before enrolment, as degrees from such unrecognized universities hold no legal validity. This step aims to protect students from exploitation and ensure academic integrity in higher education.

Sudoku

3						8		
		4		3				
						2		1
4							1	
			7		5			
	6							2
9		1			6			
						3		
		2						7

The Impact of Groundwater Pollution on Agriculture

Aaradhya

Groundwater pollution in agriculture occurs when chemicals like fertilizers, pesticides, and animal manure applied to fields seep through the soil into underground aquifers, contaminating water sources used for drinking and irrigation. Excessive use and improper management of nitrogen-based fertilizers and pesticides allow harmful substances such as nitrates, heavy metals, and pharmaceutical residues from animal waste to leach into groundwater, posing health risks for humans and ecosystems. Over-application, rainfall, and flood irrigation intensify the movement of these pollutants, making agriculture a leading cause of groundwater contamination worldwide.

According to the Food and Agriculture Organization (FAO), agriculture is the primary cause of groundwater pollution in rural areas, and globally "agricultural pollution has overtaken contamination from settlements and industries".

In the European context, agriculture is responsible for at least 38% of water-body pollution from nitrates and phosphates (though that's surface waters rather than strictly groundwater) and is a major source of groundwater contamination via nitrates.

It is also estimated that worldwide around 70% of groundwater withdrawals go into agriculture (irrigation, crops, livestock). While this is about use rather than pollution, it helps illustrate how agriculture dominates groundwater exploitation.

A survey shows contamination from nitrates (largely agricultural runoff) in around 56% of India's districts. A comprehensive paper reports non-point pollution from fertilisers/pesticides in agriculture in 11 states, covering 95 districts.

Groundwater contamination (all sources) due to arsenic is present in 25 states, and fluoride in 27 states. The Government of India (GoI) has put in place multiple central-level steps to tackle groundwater pollution, depletion, and contamination - particularly as related to agriculture and water use. Below are key measures (with some focus on agriculture where relevant), along with how they link to groundwater protection.

Groundwater monitoring, mapping and recharge enhancement:-

- Central Ground Water Board (CGWB) has undertaken the National Aquifer Mapping and Management Programme (NAQUIM) covering vast areas of the country.
- The "Master Plan for Artificial Recharge to Ground Water – 2020" outlines the construction of around 1.42 crore (14.2 million) artificial recharge and rain-water harvesting structures nationwide.
- Improved monitoring: For example, the number of monitoring wells and digital water-level recorders is being increased.
- Making groundwater quality data publicly available: CGWB data on quality is made available via website, bulletins, etc.
- These steps help detect contamination sources (including agricultural leachates), monitor over-extraction, and design recharge structures, which together help and mitigate groundwater pollution.

Some steps takenby Central Government:-Atal Bhujal Yojana (ABJ / AtalJal)

This scheme (launched December 2019) targets sustainable groundwater management through community participation in 7 states (Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh).

It emphasises institutional strengthening (water-user associations, gram-panchayat-wise water security plans) and capacity-building.

It connects to agriculture by improving "water budgeting" and improving efficiency of water use (which reduces over-extraction).

Schemes to improve water-use efficiency in agriculture:-

Pradhan Mantri Krishi Sinchayee Yojana (PMKSY): Aims to expand irrigation coverage and improve water use efficiency on farms.

Under the umbrella of agriculture, the "Per Drop More Crop" component (under the broader agricultural mission) promotes micro-irrigation techniques like drip and sprinkler, especially in water-stressed and critical groundwater blocks. These reduce reliance on heavy groundwater extraction for irrigation, hence indirectly reducing groundwater stress and potential contamination risk.

Knowledge — Solve Quiz No. 133 — For Students

Solve the following quiz and reply promptly through email. Names and photos of students who answer correctly will be published in IMS TODAY. IMS Engineering college students can provide reply through personal submission-Editor. Email imstoday.imsec@gmail.com

1. The Comptroller and Auditor General of India is appointed by?
a) The Prime Minister
b) The President on the Advice of Prime Minister
c) The Parliament
d) The President on the advice of Parliament

2. Which court in India works as a Human Rights Court?
a) The Commissioner's Court
b) The District Magistrate Court
c) The District Session Court
d) None of the above

3. In which of the following years was India declared Polio-free?
a) 2010
b) 2012
c) 2014
d) 2016

4. In which of the following positions of Sun, Earth and Moon, does the full lunar eclipseoccurs?
a) Conjunction
b) Opposition
c) Quadature
d) None of the above

5. Which of the following cities the Indian Standard Meridian (82½° East) passes through?
a) Bangluru
b) Allahabad
c) Mirzapur
d) Indor

6. The Gobi desert is located in
a) Mangolia
b) Ukraine
c) Russia
d) Tazikistan

7. Which of the following is the largest coal field of India?
a) Raniganj
b) Jharia
c) Bokaro
d) Giridih

8. If the price of a television set is increased by 25%, then by what percentage the new pricebe decreased to bring the price back to the original level?
a) 15%
b) 20%
c) 25%
d) 30%

9. Grave's disease occurs due to
a) Hypothyroidism
b) Hyperthyroidism
c) Hyperadrenalism
d) Hypoadrenalism

10. The normal pH value of saliva is
a) 7.30 to 7.45
b) 1.5 to 3.5
c) 6.0 to 8.5
d) 6.0 to 7.4

Participation format

Quiz No.....
Name of Student.....
(also attach your PP size Photo)
Class.....Year.....
College ame.....
Mobile umber.....
Email.....
Present Address.....
Permanent Address.....

Answers (QUIZ-132) October, 2025 issue:

1	2	3	4	5	6	7	8	9	10
c	c	c	a	a	c	d	c	d	b

Prepared By: Prof. Pradeep Kumar, Assistant Professor (AS&H)

सम्पादकीय

सड़क दुर्घटनाओं पर अंकुश: एक सार्थक पहल

देश में बढ़ती सड़क दुर्घटनाएं आज एक गंभीर चिंता का विषय बन चुकी हैं। हर वर्ष हजारों लोगों की जान सड़क हादसों में चली जाती है और लाखों लोग स्थायी विकलांगता का शिकार हो जाते हैं। ऐसे में सड़क परिवहन एवं राजमार्ग मंत्रालय द्वारा लिया गया यह निर्णय किराष्ट्रीय राजमार्गों के किसी एक हिस्से पर एक वर्ष में एक से अधिक दुर्घटनाएं होने पर संबंधित ठेकेदारों को दंडित किया जाएगा, एक स्वागत योग्य कदम है। हालांकि इसकी सार्थकता तभी सिद्ध होगी जब यह निर्णय जमीनी स्तर पर सड़क सुरक्षा में ठोस सुधार लाएगा।

मंत्रालय के अनुसार, बिल्ड-ऑपरेट-ट्रांसफर (BOT) मॉडल के तहत बनने वाली सड़कों पर अब ठेकेदारों की यह जिम्मेदारी होगी कि वे दुर्घटनाओं को रोकने के लिए सभी आवश्यक कदम उठाएं। इसका उद्देश्य उन्हें सिर्फ सड़क निर्माण तक सीमित न रखकर सड़क सुरक्षा के प्रति भी जवाबदेह बनाना है। राजमार्गों के उन हिस्सों को, जहां बार-बार दुर्घटनाएं होती हैं, 'दुर्घटना बहुल क्षेत्र' के रूप में चिह्नित किया गया है। मंत्रालय के आंकड़ों के अनुसार, देशभर में ऐसे 3,500 से अधिक क्षेत्रहैं। यह संख्या अपने आप में भयावह है। लेकिन सवाल यह उठता है कि आखिर हमारे राजमार्गों पर इतने अधिक दुर्घटना बहुल क्षेत्र क्यों हैं? वर्षों से सुधार योजनाओं और अभियानों के बावजूद ये क्षेत्र अब तक सुरक्षित क्यों नहीं बन पाए? यह भी विचारणीय है कि क्या राजमार्गों के निर्माण के दौरान ही ऐसी सावधानियां बरती जा रही हैं जिससे भविष्य में किसी हिस्से को 'दुर्घटना बहुल' बनने की नौबत ही न आए? दरअसल, भारत में सड़कों के निर्माण में दोषपूर्ण डिजाइन और कमजोर इंजीनियरिंगकी समस्या लंबे समय से बनी हुई है। सड़क निर्माण में ढलान, मोड़, दृश्यता, लेन की चौड़ाई और निकासी की उचित योजना का अभाव ही कई बार दुर्घटनाओं की जड़ बन जाता है। कई राजमार्गों पर अचानक मुड़ते मोड़, अधूरी डिवाइडर व्यवस्था और संकेतकों की कमी आम दृश्य हैं। परिणामस्वरूप, चालक चाहे कितनी भी सावधानी बरतें, दुर्घटनाओं की आशंका बनी रहती है। अब जब बीओटी मॉडल के अंतर्गत ठेकेदारों को दुर्घटनाएं रोकने की जिम्मेदारी दी जा रही है, तो यह प्रश्न स्वाभाविक रूप से उठता है कि किसी दुर्घटना की स्थिति मेंजिम्मेदारी तय कैसे की जाएगी? क्या ठेकेदार यह कहकर बच निकलेंगे कि दुर्घटना चालक की गलती से हुई? यदि जवाबदेही का निर्धारण स्पष्ट नहीं हुआ तो यह नई नीति भी पूर्ववर्ती योजनाओं की तरह केवल कागजों तक सीमित रह जाएगी। इसी क्रम में एक और महत्वपूर्ण प्रश्न यह भी है कि जिन सड़कों का निर्माण बीओटी मॉडल के अतिरिक्त अन्य व्यवस्थाओं-जैसे सरकारी फंडिंग या सार्वजनिक कार्य विभागों के माध्यम से किया जाता है, उन पर दुर्घटनाओं की रोकथाम की जिम्मेदारी कौन लेगा? क्या वहाँ भी किसी निश्चित एजेंसी या इंजीनियर को जवाबदेह ठहराया जाएगा? यदि नहीं, तो सड़क सुरक्षा की यह पहल अधूरी रह जाएगी। यह आवश्यक है कि मंत्रालय केवल ठेकेदारों पर दंड लगाने तक सीमित न रहे, बल्कि एकसमग्र उत्तरदायित्व तंत्र तैयार करे, जिसमें सड़क डिजाइन, निर्माण, रखरखाव, यातायात प्रबंधन और निगरानी-सभी पक्षों को शामिल किया जाए। साथ ही, दुर्घटना बहुल क्षेत्रों में वैज्ञानिक अध्ययन कर यह समझा जाए कि किन भौगोलिक या संरचनात्मक कारणों से दुर्घटनाएं बार-बार होती हैं। वास्तविक सुधार तभी संभव है जब सरकार, निर्माण एजेंसियां और स्थानीय प्रशासन मिलकर इस दिशा में ठोस और समन्वित प्रयास करें। केवल ठेकेदारों को दंडित करने से समस्या का समाधान नहीं होगा, आवश्यक है कि सड़क सुरक्षा को एकसामाजिक दायित्वके रूप में देखा जाए और इसके लिए दीर्घकालिक रणनीति बनाई जाए। आज भारत में जैसे-जैसे राजमार्गों, एक्सप्रेसवे और फ्लाईओवरों का तेजी से विस्तार हो रहा है, वैसे-वैसे दुर्घटनाओं और उनसे होने वाली मौतों की संख्या भी बढ़ती जा रही है। विश्व स्वास्थ्य संगठन (WHO) की रिपोर्ट के अनुसार, सड़क दुर्घटनाओं में होने वाली मौतों के मामलों में भारत अब विश्व में शीर्ष स्थान पर है-जबकि हमारे देश में विकसित देशों की तुलना में वाहन संख्या अपेक्षाकृत कम है। कुल मिलाकर, यह नीति तभी प्रभावी मानी जाएगी जब इसके परिणामस्वरूप राजमार्गों पर दुर्घटनाओं में वास्तविक कमी आए। ठेकेदारों पर दंड लगाना एक माध्यम हो सकता है, लेकिन लक्ष्य होना चाहिए-हर नागरिक की सुरक्षित यात्रा।

Are We Too Late to Save the Earth?

Bhawya

Too Late To Save The Earth" the question of whether it is already too late to save our planet often arises as we witness increasing environmental crises around the world. Rising temperatures, shrinking ice caps, deforestation, and polluted air and water clearly show how deeply human actions have affected nature. The signs of distress are visible everywhere-from changing weather patterns to vanishing species. Yet, despite the damage, all hope is not lost. The Earth still has the capacity to recover if we act with urgency and responsibility.

Now, through a few simple lines, I wish to express how we can still save our Nature, our Earth beautifully:

And in the whisper of the winds, a plea is heard,
To heal the world with deed and word.
Let forests bloom, let rivers sing,
And life once more take gentle wing.

Even if our Earth seems wounded today, it is not beyond healing. With care, awareness, and collective effort, we can make our planet beautiful again. Every mindful action no matter how small-brings new hope. There is still time to restore what has been lost, to rebuild what has been broken, and to create an Earth that thrives beautifully once more. What is needed now is awareness, collective effort, and a shift in the way we live. Choosing renewable energy over fossil fuels, reducing waste, protecting forests, and adopting eco-friendly habits can make a real difference. Governments must enforce strict environmental laws, and individuals must also take accountability in their daily lives.

Saving the planet is not just a scientific necessity but also a moral responsibility. It is about preserving life itself ours and that of future generations. The time to act is now, not tomorrow.

In conclusion, we are standing at a turning point. Though we cannot erase the harm already done, we can still choose a path that leads toward healing and sustainability. The Earth has given us everything; it is now our turn to give back by protecting it with care, respect, and determination.

How an Eco-Friendly Lifestyle Can Help Build a Pollution-Free Nation

Harry Garg

An eco-friendly lifestyle goes far beyond simple recycling. It is a way of living that focuses on reducing pollution, conserving resources, and adopting sustainable habits. Building a pollution-free nation cannot be achieved overnight. It requires consistent awareness, practical steps, mindful compromises, and the collective adoption of renewable and eco-friendly practices across all levels of society.

Every small action, from sustainable packaging to treating industrial waste properly, contributes to the larger goal of a cleaner environment. India faces serious environmental challenges.

Recent studies reveal that cities such as Delhi, Lucknow, Kanpur, and Patna rank among those with the worst air quality in the world. The PM 2.5 particulate levels in many regions regularly exceed safe limits. Moreover, only about ten percent of India's water bodies are clean, while the remaining ninety percent are polluted with toxins, untreated sewage, and waste. This pollution causes more than 300,000 premature deaths every year. It also damages the climate, soil, and water systems, increasing the frequency of natural disasters such as floods, wildfires, and droughts. Pollution affects every form of life-plants, animals, aquatic species, and humans alike.

Yet, the situation can change if individuals and communities take small, meaningful steps. Simple lifestyle changes can make a difference. Choosing renewable energy sources instead of conventional ones, using public transportation instead of private vehicles, and preferring electric vehicles over fuel-based ones can significantly cut pollution levels. Adopting organic and locally produced food instead of processed and pesticide-laden products not only benefits health but also reduces the use of harmful chemicals in agriculture.

Fossil fuels remain one of the main contributors to environmental degradation. Switching to solar and wind energy can reduce harmful emissions of sulfur dioxide, nitrogen oxides, and carbon dioxide. These shifts also help prevent acid rain and slow down the pace of global warming. Everyday practices like using reusable bags and containers, composting waste, avoiding unnecessary packaging, harvesting rainwater, conserving electricity, and supporting sustainable fashion and eco-friendly brands can collectively create a major impact. Studies suggest that adopting such eco-friendly habits can reduce greenhouse gas emissions by up to 15 percent. Since pollution accounts for nearly 75 percent of global greenhouse gas emissions and 90 percent of carbon dioxide output, changing our habits is one of the fastest ways to restore ecological balance. Globally, countries are taking bold steps toward sustainability.

The United Kingdom shut down its last coal-fired power plant in 2025, marking a historic milestone in the fight against industrial pollution. Nations like India and China have become global leaders in renewable energy growth, significantly cutting greenhouse gas emissions and improving air quality. These transitions have improved public health and demonstrated the power of collective action. A pollution-free nation begins with individual responsibility and community awareness.

When people prioritize renewable energy, sustainable living, and environmental accountability, they set the foundation for a healthier planet. The path to a clean, pollution-free India lies in transforming everyday choices into long-term commitments toward sustainability.

Government Initiatives for Clean and Green India

- Swachh Bharat Mission (SBM) – Launched in 2014 to promote cleanliness, waste segregation, and open-defecation-free cities and villages.
- Plastic Waste Management Rules (2016, amended 2022) – Bans single-use plastics and promotes recycling and reuse.

Silent Killer Beneath our Feet: The Growing Threatof Soil Contamination

Vanshika Verma

Soil-the very foundation of our ecosystems and food supply-is under attack from an unseen and insidious threat: SOIL CONTAMINATION. Often overlooked compared to air or water pollution, this "Silent killer" poses a profound risk to human health, agricultural productivity, and the environment worldwide. Soil Contamination happens when harmful substances - like heavy metals, pesticides or chemical build up in the soil, making it toxic. These pollutants come from industrial and mining activities- which release heavy metals. Widespread use of pesticides, and chemical fertilizers introduces heavy metal impurities into farmlands. Landfills and open dumping sites allow hazardous substances to leach into the soil and ground water etc. The most alarming aspect of soil contamination is its direct link to human health, often through unseen pathways:-

- **The Food Chain:** Plants grown in contaminated soil absorb heavy metals, which enter the food chain. Humans consume these- leading to the bioaccumulation of toxins in the body.
- **Direct Contact and Inhalation**: Children playing in contaminated areas are vulnerable to ingesting soil or dust- leading to inhalation exposure
- **Water Contamination:** Toxic substances can leach from soil down into groundwater- polluting drinking water.

Heavy metals like lead and mercury are known as neurotoxins- as they affect the nervous system. Certain chemicals and pesticides have been classified as carcinogens, because they increase the risk of cancers like leukemia. Reports by the Food and Agricultural Organization(FAO) of United Nations states that

- Approx. 120 million hectares (Mha), 33% of India's total geographical area, is affected by various forms of land degradation, including soil erosion, salinity, and pollution.
- The Ministry of Environment, Forest and Climate Change (MoEF&CC) identified 320 locations of high contamination with heavy metals and pesticides across India (as of 2015). High ranking states include U.P, West Bengal, and Delhi.

- As per 2019-20 Soil Health Survey, 55% of India's soil is deficient in Nitrogen (N), 42% in Phosphorus (P), and 44% in Organic Carbon (OC).
- The crucial Soil Organic Carbon (SOC) content in Indian soils has diminished from around 1% to 0.3% over the past 70 years, severely impacting fertility and water retention.
- Concentrations of Zinc (Zn), Nickel (Ni), and Manganese (Mn) in agricultural soils in regions like the National Capital Region (NCR) are reported to be higher than Indian natural background levels.

To tackle the problem, Indian Government has launched several initiatives focusing on soil health and sustainable agriculture. Key efforts include: Regulatory and Monitoring Bodies - Central Pollution Control Board (CPCB). Soil Health and Sustainable Agriculture Schemes:

- **Paramparagat Krishi Vikas Yojana (PKVY):** Focuses on promoting organic farming,reducing dependence on chemical fertilizers.
- **Neem Coating of Urea:** Slows down release of urea,reduces wastage and improves soil health.

Waste and Residue Management:

- Management of Municipal Solid Waste (MSW) and Construction & Demolition (C&D) Waste
- Crop Residue Management

Soil contamination poses a grave threat, leaching toxins into our food and water, causing severe health risks including cancer and neurological damage, and crippling food security. We must unite governments, industries, and citizens-to regulate waste, ban harmful chemicals, and invest in cleanup. As said by Franklin D. Roosevelt - "The nation that destroys its soil destroys itself." Remember!! Every step counts.....

The Economic Cost of Pollution: Damage to Agriculture, Tourism, and Infrastructure

Abhanshu Dwivedi

Developed countries often appear clean and well-maintained, while developing nations are still striving to reach that level of progress. However, in this race for development, we often ignore the environment. Cutting trees, polluting rivers, and releasing toxic gases seem like an acceptable price for industrial expansion. Yet whether a country is developed or developing, we all depend on the same environment to live and grow. Today, India is facing major economic losses due to the pollution we create every day, and it demands urgent attention if we want real, sustainable progress.

Agricultural Setback

Pollution has become one of the biggest threats to India's agricultural economy. Studies assessing the cost of ozone pollution show that the country's annual wheat yield declined by almost 14 percent between 2008 and 2012 because of ground-level ozone. Ground-level ozone, the third most harmful greenhouse gas after carbon dioxide and methane, has increased sharply in India from 2005 to 2020 and is still rising because of human activities and climate change. High ozone levels damage crops by slowing photosynthesis, reducing productivity, and lowering overall yields.

Another serious problem comes from excessive pesticide use, especially in states like Punjab, Uttar Pradesh, and Maharashtra. Farmers depend on chemicals that stay in the soil, disrupt its natural balance, and lower fertility. Over time, this reduces essential nutrients and affects both the quantity and quality of crops. As production drops, food prices rise, and farmers' incomes shrink, threatening national food security. The World Bank estimates that water pollution alone causes a 9 percent decline in India's agricultural productivity, hurting millions of rural families. Together, air, soil, and water pollution create a chain of losses that weakens agriculture and harms public health.

Tourism in Trouble

Pollution also has a severe economic impact on India's tourism industry. Studies estimate that air pollution costs the sector about 1.7 billion dollars every year, as tourists shorten trips or avoid polluted cities like Delhi, Agra, Kolkata etc. Heavy smog reduces visibility, making it difficult to enjoy famous landmarks and natural attractions.

Water and waste pollution add to the problem. Iconic destinations such as Dal Lake in Srinagar and many Indian beaches have lost their charm because of contamination and poor waste management. In some areas, untreated sewage from hotels worsens the damage, driving visitors away. Heritage sites like the Taj Mahal and Red Fort also suffer from chemical pollution that discolours and weakens their structures, forcing expensive restoration work.

Health concerns further reduce tourism. Polluted air causes respiratory infections, asthma, and other problems that discourage families, older travellers, and people with health conditions. Dense smog also disrupts transportation by delaying flights and blocking roads, making travel unreliable. As a result, both domestic and foreign tourists prefer cleaner destinations or shorter visits. This decline reduces jobs and income in hotels, transport, handicrafts, and food services. Around 800,000 tourism-related jobs are affected during high smog seasons, and some polluted states lose over 1 billion dollars in annual revenue.

Infrastructure Under Strain

Pollution also weakens India's infrastructure, causing expensive repairs and faster decay of public assets. Buildings, bridges, and transport systems corrode because of acidic gases like sulphur dioxide and nitrogen dioxide. Fine dust and construction emissions worsen the problem, especially in large cities like Mumbai, where construction dust accounts for nearly 71 percent of PM10 emissions. These particles shorten the lifespan of roads and concrete structures, increasing maintenance costs.

Water and industrial pollution corrode pipes, dams, and irrigation systems, leading to frequent breakdowns and service disruptions.

Data Snapshot

- 7.8 lakh crore: annual loss due to air pollution (Clean Air Fund, 2019)
- 14% fall in wheat yield from ozone pollution (IITM Study)
- $1.7 billion: tourism loss every year (AQI India Report)

When Pollution Became an Economic Threat

- 1990s: Industrial growth increases emissions.
- 2000s: Urban air quality starts failing WHO standards.
- 2015: WHO ranks 13 Indian cities among world's worst polluted.
- 2019: Pollution costs India $95 billion - ~3% of GDP.
- 2025 (projected): Cost may reach 5% of GDP if unchecked.

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India's Growing Water Crisis

Anushka Khurana

- India's per capita water availability has fallen from 5,178 cubic meters in 1951 to around 1,401 cubic meters in 2025.
- Around 600 million Indians face high to extreme water stress.
- Agriculture uses nearly 80 percent of the available freshwater.
- By 2030, India's water demand may double the available supply.
- About 40 percent of supplied water in cities is lost due to leakage and wastage.

India is standing on the edge of a serious water crisis. With only 4 percent of the world's freshwater resources and nearly 18 percent of its population, the country's water availability is declining every year. The problem has become more alarming due to the growing dependence on monsoon rains, poor water management, and the rapidly increasing population. These issues together have made water scarcity one of the biggest environmental and social challenges for India.

A major reason for India's water stress is its dependence on monsoon. Nearly three-fourths of the country's annual rainfall occurs during just four months, and any delay or uneven distribution causes immediate water shortages. Most of India's agricultural areas are rain-fed, and when the monsoon fails, it leads to drought, crop failure, and falling groundwater levels. The irregularity of rainfall also affects the availability of drinking water in rural as well as urban areas. In years of weak monsoon, many states experience dry reservoirs and empty dams, while in years of heavy rain, floods destroy crops and villages. This unpredictable nature of the monsoon shows how fragile India's water system still is. Poor water management has also worsened the crisis. Even though India receives a large amount of rainfall in total, much of it flows away into rivers and the sea because of a lack of proper storage and harvesting systems. Cities face huge water losses due to leakage in pipelines and inefficient distribution networks. Rural areas depend heavily on groundwater, which is being overused and not replenished in time. Groundwater levels are falling at an alarming rate, especially in states like Punjab, Haryana, Rajasthan, and Gujarat. River pollution adds to the problem as untreated sewage and industrial waste make freshwater sources unsafe for use. The lack of proper planning and coordination between urban and rural water management systems shows the need for better governance.

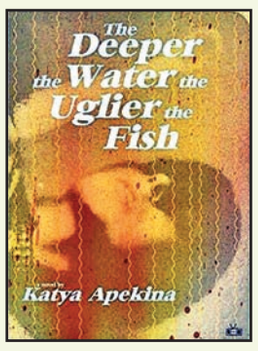
Population growth is another major factor behind India's water crisis. With over 1.4 billion people, the demand for water in domestic, agricultural, and industrial sectors keeps increasing. Agriculture alone consumes around 80 percent of the available freshwater. Urbanisation has further increased the pressure on existing water sources, as more people migrate to cities in search of work. Cities like Bengaluru, Chennai, and Delhi have already faced water shortages during summer months, forcing residents to depend on water tankers. If this trend continues, by 2030 India's water demand is expected to be twice the available supply, which could affect millions of lives.

The solution lies in better management and conservation of water resources. Rainwater harvesting, wastewater recycling, efficient irrigation methods, and awareness about water-saving habits can play an important role. Strengthening government policies and community participation is essential to secure the country's water future. The crisis is real and urgent, but with collective effort, it can be managed before it becomes unmanageable.

BOOK NOOK

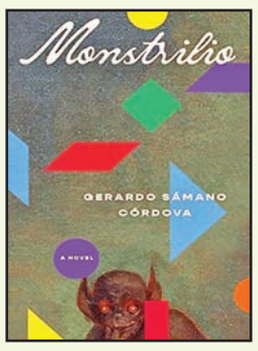
Mugdha Jugran

Book: The Deeper the Water the Uglier the Fish
Author: Katya Apekina
Published: September 18, 2018 by Two Dollar Radio
Rating: 4.5 stars



The Deeper the Water the Uglier the Fish is haunting, raw, and beautifully disturbing. Katya Apekina captures trauma, mental illness, and fractured family bonds with painful honesty. The shifting perspectives make it both unsettling and deeply human. It's the kind of book that lingers. Messy, emotional, and impossible to forget once you've finished it.

Book: Monstrilio
Author: Gerardo Sámano Córdova
Published: March 7, 2023 by Zando
Rating: 4 stars



Monstrilio is haunting and strangely tender…a story where grief takes on a monstrous form. Gerardo Sámano Córdova blends horror and heartbreak beautifully, exploring love, loss, and the darkness that comes with not letting go. It's eerie, emotional, and unforgettable.

Book: The Unworthy
Author: Agustina Bazterrica, Sarah Mosess
Published: March 4, 2025 by Scribner
Rating: 3.5 stars

The Unworthy is dark, unsettling, and powerfully written. Agustina Bazterrica explores a world stripped of morality and filled with quiet horror. Through Sarah Moses's translation, every line feels sharp and deliberate…a chilling reflection on power, survival, and what it means to be human when humanity itself is gone.

Book: The Starving Saints
Author: Caitlin Starling
Published: May 20, 2025 by Harper Voyager
Rating: 3 stars

The Starving Saints is chilling, visceral, and beautifully written. Caitlin Starling weaves faith, hunger, and obsession into a story that feels both sacred and horrifying. It's gothic and gut-wrenching, exploring the cost of devotion and the thin line between holiness and madness. A haunting, unforgettable descent into human desperation.

UPCOMING EVENTS

Anushka Khurana

- **Utpanna Ekadashi:** It will be celebrated on 15th November, 2025 (Saturday). This sacred day marks the appearance of the Ekadashi fast in Hindu tradition. Devotees observe a fast dedicated to Lord Vishnu for spiritual merit.
- **Vrischika Sankranti:** It will be observed on 16th November, 2025 (Sunday). This day marks the sun's transition into the Vrischika (Scorpio) Rasi (zodiac sign). It is considered an auspicious day for Pujas (worship) and Daana (charity), especially the giving of clothes, food, or blankets.
- **Masik Shivaratri:** It will be celebrated on 18th November, 2025 (Tuesday). This is the monthly observance of Shivaratri, dedicated to Lord Shiva, where devotees keep a fast and perform puja at night to seek his blessings for peace and prosperity.
- **Margashirsha Amavasya:** It will be observed on 20th November, 2025 (Thursday). This is the new moon day in the Hindu month of Margashirsha. It is significant for performing rituals like Tarpan (offering water) for ancestors and taking a holy dip in sacred rivers.
- **Vivah Panchami:** It will be celebrated on 25th November, 2025 (Tuesday). This festival commemorates the wedding of Lord Rama and Goddess Sita in Ayodhya. Temples are beautifully decorated and the wedding ceremony (Vivah Utsav) is enacted, especially in North India and Nepal.
- **Mokshada Ekadashi:** It will be observed on 1st December, 2025 (Monday). This Ekadashi is highly revered as it is believed that fasting on this day helps a person attain Moksha (salvation) and freedom from the cycle of rebirth. It is also the day when Lord Krishna gave the sacred knowledge of the Bhagavad Gita to Arjuna.
- **Margashirsha Purnima Vrat:** It will be observed on 4th December, 2025 (Thursday). This is the full moon day of the Margashirsha month. Fasting and worship are performed to Lord Vishnu.
- **Sankashti Chaturthi:** It will be celebrated on 7th December, 2025 . This day is dedicated to Lord Ganesha. Devotees observe a fast and perform puja to seek his blessings to remove obstacles from their lives. The fast is broken after sighting the moon.

Career Canvas

Our Shared Responsibility: Students as Stewards of the Environment

Dr. Deepa Goel

Dr. Deepa Goel
Professor & Head
Career Development Centre

Environmental care is not a one-day campaign but a way of living responsibly.

The environment is not a separate entity-it is the very ecosystem that sustains our lives. Every breath we take, every drop of water we drink, and every grain of food we eat is a gift from mother nature.

Yet, we often forget that this relationship is symbiotic in nature. It cannot always be about taking; it must equally be about giving back.

Our daily actions, no matter how small, have a direct impact on the planet. Studies show that an average individual contributes nearly 4 to 5 tons of carbon dioxideas their carbon foot prints annually through everyday activities such as electricity use, transportation, and waste. A single plastic bottle can take up to 500 years to decompose, and evenbiodegradable plastics often need specific industrial conditions to break down completely. Imagine how many such bottles pile up from just one campus!

As students, our awareness and choices matter. Turning off lights and fans before leaving classrooms, carrying reusable bottles or cloth bags, minimizing paper usage, and segregating waste are simple yet powerful ways to care for the planet.

Environmental care is not a one-day campaign but a way of living responsibly. When we consciously reduce, reuse, and respect nature, we strengthen the balance that sustains life itself. Remember — the Earth doesn't need perfection; it needs participation.

Let's be the generation that repairs, not ruins.

If you have any query email to head.cdc@imsuc.ac.in

Stay Curious, Keep Learning, and let Passion Guide You: Alumni

Himanshu Talwar, a bright student of IMS Ghaziabad (University Courses Campus), has always stood out for his dedication, leadership qualities, and commitment to excellence. During his academic journey at IMS, he actively participated in various academic and co-curricular activities, showcasing not only his intellectual abilities but also his enthusiasm for holistic development.

What motivated you to take BCA and how has it shaped your career path ?

My curiosity about how technology works and my fascination with computers motivated me to pursue a Bachelor of Computer Applications (BCA). I've always been eager to understand the logic behind software and systems, and BCA felt like the right step toward that passion. My journey at IMS Ghaziabad (University Courses Campus) truly shaped my career path - it not only strengthened my technical knowledge but also helped me build confidence and improve my problem-solving skills. The practical learning environment and constant support from faculty members guided me to discover my true potential and prepared me for the professional world ahead.

Which skills or technology do you think are most important for current BCA students to learn?

In today's fast-paced tech world, I believe it's important for BCA students to go beyond classroom learning and stay updated with emerging technologies. Having a strong grasp of programming languages like Python, Java, and C++ is essential, but equally important are skills in data analytics, cloud computing, and cybersecurity.

I also feel that understanding artificial intelligence and machine learning can open many new opportunities. Along with technical knowledge, students should focus on improving their communication, teamwork, and problem-solving abilities- these soft skills make a big difference in professional growth.

How did internships or projects during college help you in your professional journey?

Internships and projects played a very important role in shaping my professional journey. They gave me real-world exposure and helped me understand how the concepts I learned in class are applied in practical scenarios. Working on live projects improved my technical skills and taught me how to handle deadlines, collaborate with teams, and solve real-time problems. These experiences also boosted my confidence and made the transition from college to the corporate world much smoother. I believe every student should take internships seriously - they're the best way to bridge the gap between learning and working.

Himanshu Talwar

What challenges did you face after graduation and how did you overcome them?

After graduation, one of the biggest challenges I faced was adjusting to the professional environment and handling responsibilities independently. Transitioning from a college routine to a corporate setup required a lot of adaptability, time management, and confidence. Initially, it was a bit overwhelming to meet deadlines and deliver quality work under pressure.

However, I overcame these challenges by staying consistent, learning from my seniors, and being open to feedback. Gradually, I developed a sense of discipline and professionalism that helped me grow both personally and professionally.

What advice would you give to current BCA students to succeed in the IT field?

My advice to current BCA students would be to stay curious and keep learning. The IT field evolves very quickly, so it's important to stay updated with the latest technologies and industry trends.

Focus on building a strong foundation in programming and problem-solving, but also work on developing analytical thinking and creativity. Don't ignore soft skills like communication, leadership, and teamwork - they make a huge difference in the workplace. Take internships seriously, participate in real-time projects, and never hesitate to ask questions or seek guidance from mentors.

Most importantly, believe in yourself, stay consistent, and be patient with the learning process.Success in IT comes from dedication, not shortcuts.

News Brief ...

Industrial Visit to Atal Incubation Centre

Ghaziabad(IMS News Service): The Department of Computer Science & Engineering organized an Industrial Visit for 2nd year section CSE1 students to the Atal Incubation Centre, Guru Gobind Singh Indraprastha University, (New Delhi). The visit was coordinated by Mr. Saurabh Dwivedi & Mr. Naved Khan, and organized by Mr. Vibhor Harit (Assistant Professor, CSE) under the guidance of Dr. Sonali Mathur (Head, Department of CSE).Such visits enhance industry-academia collaboration and motivate students to pursue innovation-driven careers.

Placed at Trilogy Innovations with an impressive package of Rs. 32.5 LPA.

Ghaziabad(IMS News Service): IMS Engineering College, Ghaziabad proudly congratulates Piyush Kumar Pandey, a student of B.Tech. Computer Science & Engineering (Batch 2025-26), for his remarkable achievement of getting placed at Trilogy Innovations with an impressive package of Rs. 32.5 LPA. His dedication, perseverance and technical excellence have brought immense pride to the institution.

Glimpses of theorientation program

Ghaziabad(IMS News Service): The Department of Computer Science & Engineering, IMS Engineering College, successfully organized a 2-Days Short-Term Training Program on Graphic Design on 22nd & 23rd September 2025 under the NASSCOM Foundation & Adobe Skill-Bridge Initiative, in collaboration with Coursera and Froyo Technologies (P) Ltd.The event was organized by Mr. Vibhor Harit (Assistant Professor, CSE) and conducted by Mr. Pramod Kabir (Corporate Trainer) with support from Ms. Ashmita Jha (Program Coordinator, etrainIndia). Students gained hands-on exposure to Adobe Illustrator, enhance their creative and technical design skills and received guidance from industry experts, and availed the benefits of Adobe Academy Certification, free Coursera access, and a 3-month Adobe Apps subscription.

Mock Placement Drive Organized

Ghaziabad(IMS News Service): The Department of MCA organized a Mock Placement Drive to prepare MCA students for upcoming recruitment opportunities by simulating real-world placement procedures. More than 50 students of MCA 2nd year participated in aptitude tests, technical rounds and interviews, gaining valuable exposure to industry-level assessments. The event was inaugurated by Dr. Kavita Saxena, HoD (MCA), and concluded with words of encouragement from eminent Director Prof. (Dr.) Manas Kumar Mishra with the token of appreciation to the team of Mr. Varun Chaudhary, Ms. Shilpi Singhal, for their dedicated contributions in making the drive a success.

Faculty Deliver Expert Sessions at THEi, Hong Kong

Ghaziabad(IMS News Service): IMS Ghaziabad is proud to share that its distinguished faculty members were invited to deliver expert sessions at the Technological and Higher Education Institute of Hong Kong (THEi) - a premier applied learning institution recognized for its commitment to global academic excellence and innovation from October 10th-16th 2025. Dr. Rudresh Pandey, Professor, delivered an insightful session on "Sustainable Marketing and Brand Performance: Lessons from Indian Corporates," highlighting how sustainability-driven strategies are reshaping brand value and consumer engagement in India. Dr. Ajay Kumar Patel, Professor & Dean–Research, conducted a compelling session on "Sustainability and Corporate Governance: Insights from Indian Corporates," emphasizing the intersection of ethical governance and sustainable business practices in emerging economies.This international academic exchange signifies IMS Ghaziabad's growing global footprint and reinforces its commitment to sustainability-focused education, cross-border knowledge collaboration, and impactful thought leadership.

Intel Unnati Faculty Development Program

Ghaziabad(IMS News Service): Under the program "Training the Trainer, educators were trained on Intel Unnati Edusystem and Server Access followed by Hands on Training on emerging technologies like Artificial Intelligence (AI), Machine Learning(ML) and Deep Learning (DL).Intel Certified Trainer, S.Abdul Kalam Azad, AI Engineer at EdGate Technologies was the resource person for the FDP.

IMS Engineering College Gzb Celebrates 19th Convocation

IMS News Service

Ghaziabad: IMS Engineering College, Ghaziabad, under the IMS Society, proudly held its 19th Convocation, celebrating the achievements of graduating students. The ceremony began with the traditional lamp lighting and Saraswati Vandana, invoking blessings for academic and professional success.

Prof. (Dr.) Manas Kumar Mishra, Director, IMSEC, welcomed the distinguished guests. The event was graced by Hon'ble Chief Guest Shri Pramod Kumar, IA&AS, Additional Deputy Comptroller & Auditor General of India; Guest of Honor Shri Saurabh Mishra, Ex-IBM Talent Acquisition Lead; Hon'ble General Secretary Shri Rakesh Chharia Ji; Hon'ble Treasurer Shri Sanjay Agarwal Ji; Executive Council Members Shri Pramod Agarwal Ji, Shri Apurve Goel Ji, Shri Vidhur Chharia Ji; and Prof. (Dr.) Jaskiran Kaur, Director, IMS University Courses Campus, Ghaziabad. Shri Saurabh Mishra and Shri Pramod Kumar inspired the graduates with insights on adaptability, ethical values, and contributing to society. Degrees were conferred, followed by the Oath Ceremony and blessings from Shri Rakesh Chharia Ji. Prof. (Dr.) Manas Kumar Mishra and Dr. S. N. Rajan, Dean (Academics), congratulated students and acknowledged the faculty's role in shaping their futures.

IMS Signs MoU with Confab 360 to Foster Global Collaboration and Innovation

IMS News Service

Ghaziabad:IMS Ghaziabad proudly announces the signing of a Memorandum of Understanding (MoU) with Confab 360, marking a significant step toward advancing academic collaboration and global learning excellence. The partnership reflects a shared commitment to research, development, education, training, technology transfer, and the dissemination of knowledge. Through this strategic alliance, IMS Ghaziabad and Confab 360 aim to strengthen international partnerships, promote innovation-driven learning, and create new pathways for faculty, researchers, and students to engage in global academic exchange.

A special acknowledgment is extended to Prof. Ahimsa Bhardwaj for her outstanding efforts, vision, and dedication in facilitating this collaboration and turning this initiative into reality. This MoU was signed underscores IMS Ghaziabad's continued pursuit of academic excellence, industry relevance, and global integration, reinforcing its mission to empower learners and researchers to drive impactful change worldwide.

Intel Unnati Program- Artificial Intelligence Lab

IMS News Service

Ghaziabad: IMS Engineering College inauguratedthe IntelUnnati Lab at College successfuly.This advanced lab, established in collaboration with EdGate Technologies, is designed to empower students with hands-on learning and innovation opportunities in Artificial Intelligence, Machine Learning, Internet of Things (IoT), and Data Analytics fostering innovation and research aligned with the vision of Digital India and Industry 5.0.The lab will serve as a hub for nurturing next-generation tech talent—bridging the gap between academia and industry through experiential learning, cutting-edge resources, and real-world projects.

The inauguration ceremony witnessed the presence of esteemed dignitaries, faculty members, and enthusiastic students, marking a new milestone in our journey towards technological excellence and innovation.The event was graced by distinguished guests:Chief Guest: Mr. Pramod Kumar, IAAS, Additional Deputy Comptroller and Auditor General of India,Guest of Honour: Mr. Saurabh Mishra, Ex-Leader in Talent Acquisition and Campus Hiring Lead at IBM and SBS.Their insights and presence made the occasion truly inspiring.The day also marks the collaboration of Innovation & Empowerment on the special occasion of International Girl Child Day Celebrated on 11th Day of October every year.

Orientation program Aayaam-2K25

IMS News Service

Ghaziabad: The Department of MCA, IMS Engineering College, organized an orientation program Aayaam-2K25 for the first-year students of the 2025–26 session.

The event aimed to warmly welcome the new batch, familiarize them with the institute's environment and culture, and lay a strong foundation for their academic journey.

Director Prof (Dr.) Manas Kumar Mishra, addressed the students and highlighted the institute's values, legacy, and commitment to holistic development. On this occasion, Dr. S.N.Rajan, Dean Academic emphasized that students must keep themselves updated. Dean Student welfare Dr. Amit Sharma, Dr. Sonia Juneja,Convener ICC, and Mr. Ankit Jain, Ms. Ekta Singh, CDC Heads were also motivated students on this occasion. Dr. Kavita Saxena, Head of the department, briefed the students about the teaching pedagogy, course curriculum, and campus activities and also introduced the faculty members.The program was successfully coordinated by Ms. Shilpi Singhal, Assistant Professor, and concluded with a vote of thanks delivered by Mr. Varun Chaudhary, Assistant Professor, MCA Department.

Rangoli Competition on International Day of Girl Child

IMS News Service

Ghaziabad: The Cultural Committee of Applied Sciences & Humanities at IMSEC successfully organized Rangoli Competition to commemorate the International Day of the Girl Child, with the theme "Empowering Girls for a Brighter Tomorrow". The event aimed to celebrate the spirit, strength, and potential of girls while promoting gender equality and creative expression among students. The event began with a warm welcome from the organizers and an introduction to the significance of International Day of the Girl Child. The ceremony included a brief overview of the program's objectives.

Parishkar: Third Annual Outbound Faculty Development Program

IMS News Service

Ghaziabad: IMS Ghaziabad has been building a remarkable legacy over the past four years, with Dr. Prasoon M. Tripathi continuously adding new feathers to its cap through visionary initiatives. The third Annual Outbound Faculty Development Program (FDP), titled "Parishkar," was held from 24–27 October 2025 in the serene valley of Jim Corbett, providing an enriching environment for academic growth and collaboration. The program focused on AI-based pedagogical tools and the art of storytelling in the classroom, featuring insightful sessions by Mr. Anupam Chauhan and Dr. Eshan Parekh. Under the power-packed leadership of Dr. Prasoon M. Tripathi, Parishkar successfully blended innovation, learning, and experiential engagement, further strengthening IMS Ghaziabad's commitment to academic excellence and faculty empowerment.

Diwali Pooja Celebration at IMS

IMS News Service

Ghaziabad: IMS Ghaziabad celebrated Diwali Pooja to honor the divine presence of Goddess Lakshmi and Lord Ganesha on campus. Faculty and staff members collectively performed the Hawan rituals, seeking blessings for prosperity and well-being. The management extended festive greetings and distributed gifts to all, fostering a spirit of appreciation and togetherness. The celebration concluded with a lunch gathering, marking a harmonious end to the joyous occasion.

Awareness Session on Future Pathways through GATE and Readiness Approach

IMS News Service

Ghaziabad: Department of Computer Scienceorganized Awareness Session on "Future Pathways through GATE and Readiness Approach". The session was led by distinguished speaker: Mr. Arjun Chhabra, (esteemed faculty from ACE Academy & Motivational Speaker).

The session highlighted the importance of early planning and conceptual clarity required for competitive examination. Students were guided about GATE exam pattern, syllabus weightage, and key subjects. The speaker stressed on time management and smart revision techniques which can be adopted for effective outcome. Recommended resources and previous year papers were also discussed in detail. He shared motivational tips to stay consistent and confident while preparing for any typed examination.

IMS joins hands with Government of Arunachal Pradesh through MDP

IMS News Service

Ghaziabad: IMS Ghaziabad successfully conducted an MDP for officials from the Hydro Department, Government of Arunachal Pradesh on "Leadership and Strategic Communication" at THDC, Rishikesh from 27-29 October, 2025. The insightful sessions were conducted by Dr. Prasoon M. Tripathi, PhD. and Dr Virendra P Singh, who shared valuable perspectives on enhancing leadership effectiveness and communication strategies in dynamic organizational settings.

आईएमएस गाजियाबाद ने मनाया 36वां स्थापना दिवस

इंटरनेशनल कांफ्रेंस का पोस्टर प्रदर्शित करते हुए।

यूनिवर्सिटी टॉपर्स के साथ संस्थान के महासचिव एवं निदेशक।

क्लब के सभी सदस्यों को पद भार प्रदान करते हुए।


शिक्षकों को सम्मानित करते हुए संस्थान के महासचिव एवं निदेशक।

आईएमएस न्यूज सर्विस

गाजियाबाद। आईएमएस गाजियाबाद यूनिवर्सिटी कोर्सेज कैंपस में संस्थान के 36वे स्थापना दिवस समारोह का आयोजन किया गया। कार्यक्रम का शुभारम्भ आईएमएस गाजियाबाद ग्रुप ऑफ इंस्टीटूशन के जनरल सेक्रेटरी सीए (डॉ.) राकेश छारिया एवं संस्थान की निदेशक प्रो. (डॉ.) जसकिरण कौर द्वारा सभी शिक्षकगण एवं स्टाफ की उपस्थिति में माँ सरस्वती की प्रतिमा के समक्ष पुष्प अर्पित कर किया गया।

स्थापना दिवस के उपलक्ष्य में संस्थान द्वारा सभी क्लब के सभी नए पदाधिकारियों का अलंकरण समारोह भी किया गया जिसमें २२ क्लब के अधिकारीयों को पद प्रदान किये गए साथ ही यूनिवर्सिटी टॉपर्स एवं कैंपस टॉपर्स छात्र-छात्राओं को सम्मानित किया गया । ज्ञात हो कि इस वर्ष संस्थान के लगभग सभी कोर्स से 15 छात्र -छात्राओं ने सर्वाधिक अंक प्राप्त कर यूनिवर्सिटी टॉप किया, जिसमें से 6 ने स्वर्ण पदक, 4 ने रजत पदक एवं 5 ने कांस्य पदक प्राप्त किया। इसके अलावा संस्थान के सभी कोर्स के कैंपस टॉपर्स 60 छात्र- छात्राओं को भी संस्थान द्वारा सम्मानित किया गया । जिसमें से 20 को स्वर्ण पदक, 20 को रजत पदक एवं 20 को कांस्य पदक प्रदान किया गया। पदक के साथ-साथ इन सभी छात्र-छात्राओं को नगद पुरस्कार से भी सम्मानित किया गया।कार्यक्रम के दौरान दीपावली की पूजा भी की गयी। आईएमएस गाजियाबाद ग्रुप ऑफ इंस्टीटूशन के जनरल सेक्रेटरी सीए (डॉ.) राकेश छारिया ने छात्र - छात्राओं को उनकी इस उपलब्धि की बधाई देते हुए कहा कि जीवन में आगे बढ़ने के लिए सदैव अपने काम को प्राथमिकता दो और हमेशा उत्साही रहो। उन्होंने कहा कि असफलताओं से कभी नहीं घबराएं हमेशा उससे सीखें और फिर आगे बढ़ें। निदेशक द्वारा उपस्थित जनो को बधाई देते हुए सम्बोधित किया गया, साथ ही सभी शिक्षकगण एवं स्टाफ से संस्थान को और भी ऊचाइयों तक ले जाने में उनके बेहतर प्रदर्शन की अपील की। कार्यक्रम में सभी शिक्षकगण एवं स्टाफ उपस्थित रहे। कार्यक्रम का समापन डॉ. संध्या शर्मा द्वारा उपस्थित जनों का धन्यवाद कर किया गया।

News Brief ...

Industrial Visit to App Squadz Software Pvt. Ltd

Ghaziabad (IMS News Service): Department of Computer Science organized an industrial visit to App Squadz Software Pvt. Ltd. Noida (U.P) a leading software development company that has a global presence and is known for delivering enterprise-level applications to clients across various industries.The visit was organized on 9th September 2025 for the BCA final year students with the objective of bridging the gap between academic learning and industry practices. The visit aimed to provide insights into the real-world application of current IT technologies and to enhance the students' understanding of modern trends such as Cloud Computing, Microsoft Azure, Artificial Intelligence (AI), Machine learning, AI based solutions and other emerging technologies. During the visit, students attended multiple sessions led by industry experts and senior software engineers

Research Awareness Workshop

Ghaziabad (IMS News Service): The Department of Computer Science organized an interactive session titled "Journey of Idea to Global Publication" on 24th September 2025 at IMSUC, Lab 3. The session was conducted by Ms. Purnima Gupta (Assistant Professor) along with Anshika Sharma (BCA 3rd Year) and Anshika Sharma (BCA 2nd Year) as resource persons. The primary focus of the session was to guide students on the process of transforming research ideas into globally recognized publications through IEEE conferences and Book Chapters. A total of 47 students actively participated in this event, gaining exposure to the fundamentals of academic publishing, ethics of research, and the importance of conference papers in enhancing career and academic growth.

AAGMAN, Senior-Junior Interaction

IMS News Service

Ghaziabad: The Juniors' Freshers Party, Aagman 2k25, was celebrated with great excitement to welcome the new students into the college family. The program, held in the beautifully decorated auditorium, was attended by faculty, seniors, and juniors. The aim was to create a friendly atmosphere, provide a platform for juniors to showcase their skills, and help them interact with seniors.

The evening began with a graceful welcome dance by Priyanka, Mohini, and Akriti, which set a cheerful tone for the event. This was followed by the glamorous ramp walk, where juniors impressed the audience and judges with their style and confidence. Adding a soothing touch to the program, Simran presented a soulful song performance, which was well appreciated. One of the most engaging parts of the event was the Talent Hunt, where juniors displayed their abilities in singing, dancing, and poetry.

Their creativity and enthusiasm were warmly encouraged by the audience, making the segment lively and memorable. Towards the end, Kanika, Sakshi, and Simran performed an energetic dance that electrified the stage and concluded the cultural program on a high note.

The highlight of the evening was the crowning of Mr. and Miss Fresher. After exciting rounds, Priyankar and Shubham were titled Mr. Fresher, while Tanvi and Navpreet were honoured as Miss Fresher. Overall, Aagman 2k25 successfully combined fun, talent, and interaction, giving juniors a warm welcome and leaving behind unforgettable memories.

Workshop on Generative Ai 2025

IMS News Service

Ghaziabad: The Department of Computer Science successfully organized aworkshop for the BCA batch 2025-2028, with the aim of introducing freshmen to the diverse opportunities in Generative AI and providing them with a comprehensive understanding of the same. The event featured a warm welcome ofMr. Alok KumarRai,an enthusiastic alumnus of IMSUC, currently working as a Senior Technical Recuiter at Dexian India (Batch 2015-18). The introduction was followed by an overview of generative AI and its implications. Through his talk, Mr. Alok provided valuable insights into the various practical aspects to tackle in real world, motivating the freshmen to explore their interests and make informed decisions about their academic and professional paths. The event was designed to provide students with an understanding of how AI is changing the whole realm of technical tasks, while also highlighting his personal experiences. By sharing his experiences and insights, Alok helped students gain a deeper understanding of the industry and its various facets, setting the foundation for youngsters willing to follow the same path. The event was very interactive as the curious students asked many questions. The event concluded with faculty members presenting a memento and a sapling to the resource person as a token of gratitude.

INVENT 2k25

IMS News Service

Ghaziabad: INVENT-2025, an annual Inter-Institutional Technical Fest has witnessed jam-packed computer-buffoons to compete, starve and excel from others was organized by School of Computer Science of IMS,Ghaziabad (University Courses Campus). Total 550+ participants from Ryan International Institute, Ghaziabad, Xt. Xavior School, Amity University, Greater Noida, Galgotias University Greater Noida, ABES Engineering College, Dayal Singh College, Ramjas College (Delhi University), KDB School, Ingrahm Institute Ghaziabad, Xt. Xavior school, AKGEC and many more were present at the inaugural session. The event was inaugurated with the showering of petals on Goddess Sarsawati through ceremony dignitaries. Guest of Honour - Mr. Satyendra Singh, Agile consultant Accentureand Mr. Amit Mandahar Founder and CIOCredo Softech Pvt Ltd.both discussed about the importance of such kind of technical fest and how these events are helpful in improving their technical and innovative skills.Theyalso describe the importance of self-motivation and strong determination which is always be required in any field of life.INVENT-2025 is specifically intended for students to test their knowledge and skills by participating in various IT events which not only provide academic excellence but also helps in redefining their personality.There were 5 events

Blind Coding: Participant had to showcase their knowledge of any of the programming skills to solve the problem given at the spot by keeping their monitors off.

Circuit Rangoli: The event wasabout making rangoli from E-waste and waste hardware

Tech Quiz: The event consisted of 2 rounds where knowledge testing was done on the basis of IT related questions.

IT Gaming: Participant had to showcase their gaming skills. Team consisted of 4 members from the same institute/college.

IOT Fusion- Participant had to showcase their knowledge related to Arduino, Raspberry Pi, Automation sensors, and Actuators, among other devices to develop the application that can be useful for the society.

In the Battle Play event, Team Desi Killer from IMS EC Ghaziabad led by Rekhansh secured the first position, followed by Team Jod E-Sports from AKG headed by Harsh Guar in second place, and Team KDBians 2 from KDB led by Mayank in third. In the IOT Fusion Force, the first position was bagged by Team 7 from KDB Public School, Ghaziabad (Lakshay Singh, Vanya Chandra, and Kartik Garh), while Team 2 from IILM University, Greater Noida (Harsh Tiwari, Lavisha, Divyansh Singh, and Samar Gola) stood second, and Team 4 comprising Shivanshu Goyal, Kanishk Panchal, and Raghav Sharma secured third place. In Circuit Rangoli, IMS UC Ghaziabad (Anshika Sharma, Neha, Swasti, and Chanchal) achieved first position, ABES EC (Anshika Tyagi and Ayushi Dubey) came second, and Ryan International School (Jivika Gaur, Paridhi Sharma, Kashvi Salgiva, and Apoorva Sharma) placed third. In Blind Coding, the winners were Krish (AKGEC), Robin Kumar, and Chandrakant (SDGI). In the IT Quiz, Ashish Sahu and Aryan Jaiswal clinched first place, Yash Gupta and Damini secured second, while Ayush Tyagi and Jhanvi stood third.

GENESIS-2025: An Inter-Institutional Science Fest

IMS News Service

Ghaziabad: The Department of Biosciences at IMS University Courses Campus organized "Genesis 2025", an inter-institutional science fest, on October 31, 2025. With the theme "BioSpark", the event aimed to inspire scientific innovation, creativity, and collaboration among students from various schools and institutions.

The event commenced with a floral tribute by the Chief Guest, Dr. Ashish Gautam, Senior Director, Robotic and Laparoscopic Surgery, Max Super Specialty Hospital, Patparganj, New Delhi. He was accompanied by Dr. Saurabh Pandey, Scientist, Ministry of AYUSH, Government of India, and Dr. Manodeep Sen, Professor and Deputy Head, Department of Microbiology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow.

The ceremony began with the lighting of the lamp and floral tribute to Goddess Saraswati, followed by a welcome address by Dr. Rakesh Chharia, Group Chairman, IMS, and Prof. (Dr.) Jaskiran Kaur, Director, IMSUC Campus.

The fest featured a series of inter-collegiate competitions and exhibitions, where participants showcased creative models, innovative experiments, and scientific concepts. The event began with a warm welcome address by Dr. Surabhi Johari, Head of the Department, accompanied by other esteemed faculty members whose words of motivation set a positive tone for the day.

Students from multiple schools and colleges, including KDB, St. Xavier's, KVN, DPS SiddharthVihar, Bennett University, BanasthaliVidyapeeth, Gargi College, and University of Delhi, participated with great enthusiasm. Their innovative exhibits and spirited participation reflected the fest's core vision—celebrating science through creativity and collaboration.

The event concluded with a grand award ceremony, where Schools and Colleges winners were felicitated for their outstanding performances across various categories.In the list of winners, the team of Svanik Dutta, Apporv Gupta, Arni Agarwal, and Rohan emerged as winners in the event MindMaze. The Junkyard Science competition was won by Abhinav, Shagun, and Prachi Sharmafor their creative and sustainable model. Meghna, Aradhya, and Anshikaclaimed victory in TechnoCraft for their outstanding technical innovation. In SparkTank, the team comprising Pragun Mishra, Shivsakti, and Kanika impressed the judges with their entrepreneurial ideas and secured the top position. The event SciPersona was won by Gunjan and Muskan, with Vansh declared as the school-level winner. In MagicMeal, Vanshika and Khushi stood out as the winners at the school level.

The Role of Artificial Intelligence in Monitoring Pollution

Anushka Sharma

Pollution has become one of the most pressing environmental issues in India, affecting public health, ecosystems, and economic growth. Rapid industrialization, urbanization, and vehicular emissions have led to alarming levels of air, water, and soil pollution.

To tackle this crisis effectively, India isincreasingly turning to Artificial Intelligence (AI) as a tool for real-time monitoring, prediction, and management of pollution. AI plays a vital role in collecting and analysing large amount of environmental data. Using machine learning algorithms, AI systems can process satellite image sensor data, and meteorological information to detect pollution sources and predict air quality levels.

For instance, AI-driven platforms like SAFAR (System of Air Quality and Weather Forecasting and Research) and Central Pollution Control Board's initiatives use predictive modelling to forecast pollution trends and issue health advisories. Similarly, AI applications in water management help identify contamination in rivers such as the Ganga and Yamuna by analysing chemical compositions and detecting industrial discharge patterns.

Several challenges hinder the widespread adoption of AI in India's pollution management systems. Data availability and quality remain major obstacles; many regions lack reliable and consistent environmental data. High implementation costs and limited access to advanced technology also restrict smaller municipalities from adopting AI-based systems. Furthermore, technical expertise is scarce, with a shortage of trained professionals who can design, interpret, and maintain AI models. There are also concerns about data privacy and transparency, as large-scale data collection raises ethical issues regarding surveillance and accountability.

The "black box" problem: Many advanced AI modals, particularly deep learning, are not easily interpretable. This "black box" nature can be a barrier for policymakers who need to understand the reasoning behind AI-driven decisions to trust and act on them effectively. Efforts are ongoing to develop more explainable AI (XAI) models.

AI offers a powerful toolkit for combating India's severe pollution challenges, enabling superior data analysis, predictive insights, and proactive interventions. However, its path to widespread adoption is fraught with obstacles, including data limitations, infrastructural gaps, and ethical concerns. For AI to realize its full potential, a strategic, collaborative approach is essential, one that emphasizes robust data governance, sustainable technological development, and equitable access to its benefits.

Advantages of AI in pollution monitoring

- **Real-time, large-scale data analysis:** Unlike traditional monitoring stations, which are often sparse and expensive, AI-driven systems process vast datasets from ground sensors, satellites, and drones in real time. This provides a comprehensive, dynamic picture of pollution levels across a city or country.
- **Predictive forecasting:** AI models analyse historical data, weather patterns, and traffic flows to predict future pollution levels with high accuracy. This foresight allows authorities to issue early warnings and implement preventative measures, such as adjusting industrial regulations or diverting traffic, to mitigate pollution episodes before they occur.
- **Precision and efficiency:** AI algorithms can pinpoint the specific sources of pollution, a process known as source apportionment. In India, this helps differentiate between emissions from vehicles, industry, and agricultural residue burning, enabling more agricultural residue burning, enabling more targeted and affective interventions.
- **Optimizing water quality and waste management:** AI is also revolutionizing water quality monitoring. It analyzes data to detect contamination and predict algal blooms in water bodies like the Ganges River. In waste management, AI-powered sorting robots can increase recycling efficiency, while predictive analytics optimize collection routes, reducing the carbon footprint.
- **Cost-effectiveness and scalability:** AI-powered solutions, often utilizing low-cost tool sensors, are more scalable and affordable than expensive conventional monitoring infrastructure. This makes comprehensive monitoring feasible for resources-limited nations like India.

Creative Corner

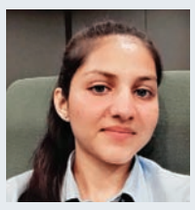
कल्पना

Mugdha Jugran

पर्वतों के पीछे छिपता सिंदूरी सूरज
गुलाबी ठंड,
इतराते धुंध के बादल,
जो खुली खिड़की से चले आए अंदरङ्ग
हौले से हवा ने बिखेर दिए तुम्हारे बाल,

मेज पर रखे दो चाय के प्याले
उन से उठती भाप
और भाप के उस ओर मुस्कुराते तुम
मैं और तुम
मौन ही बतियाते
निशब्द, निस्पन्द
कल्पना है मेरी
ये पर्वत, सूरज, कोहरा
चाय के प्याले
और शायद
तुम भी

ROAD TO HEAVEN



Sonakshi Gupta

When you meet the road,
That open door to heaven,
But way is still hard,

Bright with pebbles between it,
Flowery with thrones,
Success with tears,
Failures with lessons,

Friends with reasons,
And people with memories.

Wishes to be on top but drowned by your own.
It's life,
Yet every fall teaches how to rise.

CULTURE AND TRADITION

Gujarat: The Land of Legends, Culture, and Sacred Heritage

Arpita

New Delhi: Gujarat, located on the western coast of India, is known for its rich cultural heritage, colourful traditions, and vibrant festivals. Gujarat is also known as " land of legends". It is one of India's most vibrant and culturally rich states. The people of Gujarat, known as Gujaratis, take immense pride in preserving their heritage while embracing progress.

The official language is Gujarati. The traditional attire of men includes kediyu and dhoti, while women wear chaniya choli adorned with mirror work and embroidery, especially during festive occasions. Food plays an important role in gujarat's tradition. The Gujarati thali is famous for its wide variety of dishes that offer a perfect mix of sweet, salty, and spicy flavors.

Temples and pilgrimage sites of Gujarat

Gujarat is one of the most spiritual states of India, known for its ancient temples, holy shrines and peaceful pilgrimage sites. People from all over India and the world visit Gujarat to seek blessings and experience its divine atmosphere.

Somnath temple (Prabhas Patan)

The Somnath temple is one of the twelve jyotirlingas of Lord Shiva. Somnath means 'lord of the moon' according to Hindu mythology.It is located near Veraval on the Arabian sea coast, at a point where no land exists between Somnath and the south pole. The present Somnath temple, reconstructed in 1951, showcases the chalukya style of architecture.

Dwarkadhish temple (Dwarka)

The Dwarkadhish temple, also known as the Jagat mandir, is dedicated to lord Krishna. It is believed to be over 2,000 years old and stands on the banks of the Gomti river. Dwarka is one of the char Dham pilgrimage sites of Hinduism, making it one of the most important spiritual destinations in India.

Bahuchar Mata temple (Mehsana district)

Dedicated to goddess bahuchar mata, this temple is considered sacred by many devotees and especially respected by the transgender community, who regard her as their patron goddess.

Movie Reviews

Bhoomi Kumari

Movie Review: Thamma (2025)

Movie Name: Thamma
Director: Aditya Sarpotdar
Release Date: 21 October 2025
Rating (Critics): 3.5 – 4.0 / 5 (varies by review)
Movie Collection: Approx &25.11 crore (Day 1 India)
Budget: Not officially revealed
Final Verdict: A familiar-flavoured Diwali entertainer that delights more in style than depth—worth a one-time watch.

Directed by Aditya Sarpotdar, Thamma marks the latest entry in the horror-comedy universe established by Maddock Filmsand brings together stars such as Ayushmann Khurrana and Rashmika Mandanna. The film attempts a mix of romance, folklore, humour and supernatural elements, weaving a tale of mythic creatures ("betaals") and star-crossed love.

The narrative begins when Alok (Ayushmann), a TV-reporter-type guy, ends up injured and rescued by 'Tadaka' (Rashmika), a mysterious woman from a hidden tribe with ghostly overtones. Their worlds collide, and the stakes rise as supernaturalforces intervene. From a performance standpoint, Ayushmann is in good form—his trademark mix of vulnerability and comic timing works well here.

Rashmika brings charm, mystery and strength to her role, even if her character's arc remainsunder-explored. Supporting actors such as Nawazuddin Siddiqui and Paresh Rawal add gravitas and comic relief respectively.

Visually, the film is slick—cinematography, VFX and production values stand out. The mood, the jungle/tribal sequences,the mythical-creature elements are handled with polish. The premise is fresh (within the context of this franchise), the spectacle is enjoyable, and the tone overall remains light and entertaining. Reviewers have called it "a well-packaged entertainer" with mainstream appeal.

However, the film is not without flaws. Several critics point to pacing issues—especially in the second half—and a scriptthat occasionally feels predictable or stretched. The horror element is under-utilised, with more weight given to comedy and romance than genuine scares. The character motivations (especially for the hero) are sometimes thinly sketched, and

certain sections feel over-familiar.Overall, if you go to the cinema expecting a serious, deeply meaningful film, you might come away a little underwhelmed.

But if you're looking for a crisp, festive entertainer with humour, romance and supernatural flavour—especially around the Diwali period—then Thamma gives you exactly that.

Final Verdict: Thamma is an enjoyable ride that relies on franchise goodwill, star power and production value. It may not push the boundaries of horror-comedy, but it hits the right notes for a one-time watch.

Sportify

Aditya Kumar

India's Women's Cricket Team Creates History with Maiden World Cup Victory

Women's cricket team marked a golden day in Indian cricket history as the Indian Women's Cricket Team clinched their first-ever World Cup title, defeating South Africa in a thrilling final.

This landmark victory stands as a testament to years of relentless hard work, dedication, and the remarkable rise of women's cricket in India—fueled in part by the success of the Women's Premier League (WPL). The triumph ignited nationwide celebrations and has become a powerful source of inspiration for a new generation of aspiring cricketers across the country.

AIFF Super Cup 2025 Kicks Off: A Battle for Glory and AFC Qualification

The AIFF Super Cup kicked off on 25 October 2025, featuring top Indian football clubs from both the Indian Super League (ISL) and the I-League. The prestigious tournament not only showcases the best of Indian football talent but also serves as a qualifier for the 2026–27 AFC Champions League 2, giving clubs a chance to represent India on the continental stage. Early matches have already delivered high-scoring thrillers and intense rivalries, reflecting India's growing football culture and the competitive spirit between established powerhouses and emerging teams. Clubs like Mohun Bagan Super Giant, Mumbai City FC, East Bengal, and Gokulam Kerala FC have drawn large fan followings, adding to the excitement. The Super Cup also provides a crucial platform for young Indian players to gain experience against top domestic and international talents. With improved infrastructure, tactical development, and rising fan engagement, the tournament symbolizes the rapid evolution of Indian football towards professionalism and global competitiveness.

Thrilling Start to Pro Kabaddi League Season 12 Playoffs: Telugu Titans and Dabang Delhi Advance

The Pro Kabaddi League (PKL) Season 12 playoffs kicked off with a bang as Telugu Titans defeated Patna Pirates 46–39, while Dabang Delhi edged past Puneri Paltan in a dramatic tie-breaker finish. Both matches showcased intense action, featuring super raids, powerful tackles, and strategic defensive plays, keeping fans on the edge of their seats.

This season has once again proven why Pro Kabaddi remains one of India's most thrilling and fast-growing sports leagues. The electrifying performances and close contests have drawn massive stadium crowds and record TV and digital viewership, reflecting kabaddi's deep connection with Indian audiences.

The success of the league has also played a pivotal role in reviving traditional Indian sports, inspiring young athletes across rural and urban India to take up kabaddi professionally. With strong fitness, tactical awareness, and team coordination on display, PKL continues to elevate the standard of kabaddi to global levels.

Netherlands and Australia Shine at UCI Track Cycling World Championships 2025 in Santiago

Held in Santiago, Chile, from 22 to 26 October 2025, the UCI Track Cycling World Championships witnessed remarkable performances and fierce competition among the world's best cyclists. The event, a key fixture in the global cycling calendar, also served as a major qualifier for the upcoming Olympic cycle, adding extra intensity to every race. The Netherlands and Australia emerged as the dominant forces, showcasing their strength in both sprint and endurance events. Dutch riders continued their supremacy in team sprints and keirin, while Australian cyclists impressed in individual pursuits and team pursuits, reaffirming their status as global cycling powerhouses. The championship not only highlighted athletic excellence but also reflected the growing international reach of track cycling, with strong performances from Great Britain, France, and New Zealand. Santiago's state-of-the-art velodrome and enthusiastic crowds made the event a true celebration of speed, stamina, and strategy.