



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Pulse

THE HEARTBEAT OF MIT-WPU

नवीन आरंभ, अनंत गति



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A MESSAGE OF NEW BEGINNINGS

Every new beginning comes with fresh energy and hope. It is also an opportunity to pause, reflect, and set our goals towards greater heights. This new academic year is not just about welcoming our students but also an opportunity for all of us, faculty, staff, and alumni, to come together to deliver another year of knowledge and idea sharing, encouraging innovation, and celebrating the cultural, social, and personal values that define our community.

The past two months have provided us with many moments to experience the spirit of fresh beginnings. In July, the 15th UPSC Felicitation Ceremony reminded us of the power of determination and spirit towards serving the nation as we celebrated the success of Bharat's Civil Services rank holders. Soon after, the National Scientists' Round Table Conference brought together some of Bharat's respected scientific minds and innovators to reflect and discuss new technologies, sustainability, and innovations for a progressive and self-reliant nation.

The spirit of new beginnings was exemplified through Shubharambh 2025, which welcomed our incoming batch with inspiration, cultural vibrancy, and a conveyed resolution for a transformative academic year. Not long after this, the Social Leadership Development Program gave me great confidence in the potential of our students, as it encouraged them to think deeply about responsibility and the kind of lasting impact they can create in society.

Our connections with our alumni reached across oceans at the Boston Alumni Meet, building stronger networks and collaboration. Innovation took the spotlight at the Startup Expo and RIDE 2025, where students and entrepreneurs presented ideas, engaged with investors, and turned prototypes into real possibilities, creating an ecosystem open to our students from the very beginning.

This period of new beginnings culminated in the celebration of the 79th Independence Day on August 15, 2025. The occasion served as a reminder for all of us to renew our commitment to unity, peace, and the progress of our nation - values that continue to inspire and guide us within the campus and in the larger society.

Together, these milestones reflect MIT-WPU's steady pursuit of academic excellence, student development, and nation-building. As we begin this new academic year, I am confident that our collective efforts will further strengthen MIT-WPU as a centre of knowledge, innovation, and peace.

In pursuit of peace through education,

Dr. Rahul V. Karad

Executive President,
MIT World Peace University



HAPPENINGS

79th INDEPENDENCE DAY

The 79th Independence Day was celebrated with a patriotic flag hoisting, National Anthem, and NCC Flag March, featuring inspiring addresses by Vice Chancellor Dr. R. M. Chitnis and Hon'ble Lt. Gen. Dhiraj Seth, PVSM, AVSM – General Officer Commanding-in-Chief, Southern Command. The event reaffirmed a commitment to unity, peace, and advancing knowledge in honor of the nation's freedom.



Startup Expo 2025

Ignited Innovation and Investment

Over three vibrant days, the campus became a hub of innovation with 85+ startups showcasing breakthrough solutions and 80+ investment sessions linking founders to 20+ top investors. The event featured pitch sessions, inspiring keynotes, and networking, fuelling collaboration and entrepreneurial success.



Boston Gathering Strengthened Alumni Bonds and Vision

The Boston Alumni Meet brought together graduates for reconnecting, sharing career insights, and fostering mentorship and collaboration, with Executive President Dr. Rahul V. Karad highlighting the vital role of the alumni in the university's growth. The event celebrated enduring bonds and inspired new opportunities for collective progress.



SLDP Empowered Leaders for Community Impact

The Social Leadership Development Program (SLDP) 2025, at MIT-WPU, showcased the transformative journey of emerging leaders, focusing on community engagement, personal growth, and impactful leadership. The program empowered participants to drive positive change and foster thriving communities.



A Grand Beginning to an Inspiring Year

Shubharambh 2025 marked a vibrant kickoff to the academic year at MIT-WPU Campus. The event was filled with inspiring sessions, cultural performances, and interactive activities that fostered a spirit of discovery and enthusiasm among students and faculty. The event set a positive tone for a year dedicated to growth, learning, and innovation.



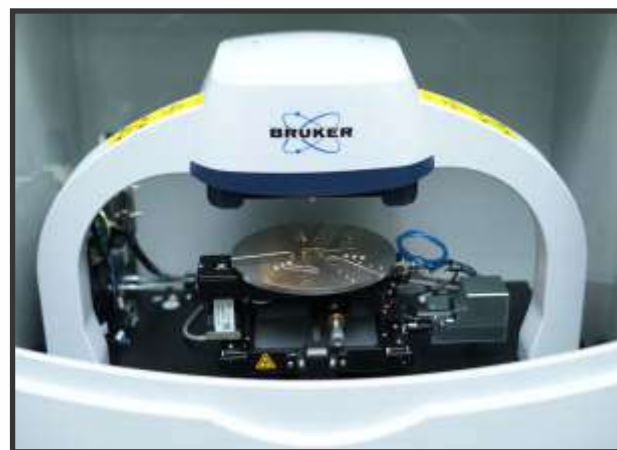
Immersive Workshop Unveiled Authentic Theatre Craft

The MIT-WPU Department of Liberal Arts' IBTIDA Theatre Club hosted a "Theatre of Everyday Life" workshop, led by acclaimed playwright Farnaz Tabrizi from Tehran. The interactive session empowered students to embrace authentic storytelling through impromptu acting exercises, breaking inhibitions, and deepening their craft.



Advanced Industron-Nanomechanics Laboratory Launched

MIT World Peace University, Pune, launched the Industron-Nanomechanics Laboratory in collaboration with INDUSTRON. The facility features cutting-edge equipment, including NanoGuru 80 Nanoindenter, Bruker Surface Profilometer, and DUCOM Tribometer for surface and nanoscale characterization, enabling advanced research across materials science, mechanical engineering, thin films, biomaterials, and ceramics while fostering industry-academia partnerships.



School of Law Conducted a Mediation Training Programme

A comprehensive 40-hour Mediation Training Programme was successfully conducted, under the aegis of Mediation & Conciliation Project Committee (MCP), Supreme Court of India. The programme featured distinguished guests, including Adv. Sudhir R. Reddy, Hon'ble Justice Shri. G.A. Sanap, Shri Jeetendra L. Gandhi, and Adv. Prathamesh D. Popat, who delivered interactive sessions and simulations on core mediation skills.



Industry Experts Taught Self-Management Mastery

The Center for Industry-Academia Partnerships (CIAP) hosted a successful student workshop on "Art of Self-Management". Industry experts from Dell Technologies, UST, Microsoft, and Persistent Systems shared actionable strategies on self-discipline, time management, and goal setting through engaging discussions.



Fueled Innovation and Entrepreneurship at RIDE 2025

The Degree++ program, Research Innovation Design Thinking & Entrepreneurship (RIDE) 2025, achieved a landmark milestone with the Wadhvani Foundation - 1,805+ ventures registered in 72 hours, earning India Book of Records recognition. This immersive entrepreneurship event featured hands-on workshops and expert sessions, fostering creativity and practical problem-solving skills.



Guru Purnima Celebrated All Life Mentors at the Campus

On the eve of Guru Purnima, the university honored all mentors, including mothers, professors, and coaches who shaped journeys through lessons, presence, patience, and unwavering strength. Recognition was given to everyone who lit paths and provided guidance, celebrating their unwavering support.



Placement Preparation Bootcamp Trained 1000+ Engineers

The School of Computer Science & Engineering, Career Development Centre (CDC), and Centre of Industry Academia Partnership (CIAP) organized a Placement Preparation Bootcamp 2025 with AlgoZenith. Over 1000+ aspiring engineering students participated, gaining advanced DSA skills, coding strategies, resume building, and real-world industry insights.



Alumni Meet Launched Dual Mentorship Initiative

The Department of Petroleum Engineering hosted a dynamic alumni meet-up in Bangalore with Programme Director Dr. Siraj Bhatakar and Assistant Professor Mr. Vinayak Wadgaonkar. The event launched a dual mentorship model, pairing students with faculty and industry mentors to bridge academic-industry gaps.



NSRTC 2025 United Scientists for Viksit Bharat

The National Science Research and Technology Conference (NSRTC) 2025 brought together India's leading scientists, policymakers, and researchers. Distinguished guests, including Dr. N. Kalaiselvi (CSIR Director) and Padma awardees, discussed frontier technologies, sustainability, and multi-disciplinary innovation to drive India's tech revolution.



International Workshop on Sustainable Tunneling

MIT-WPU hosted the International Workshop on 'Sustainable Tunneling for Better Life', graced by Shri Nitin Gadkari, Hon'ble Union Minister for Road Transport & Highways. Recognized by the International Tunneling Association, the event brought global experts together to explore eco-friendly tunneling solutions while spotlighting MIT-WPU's acclaimed M.Tech in Tunnel Engineering.



ICACSEE 2025 Advanced Sustainable Energy Research

The Department of Chemistry organized the International Conference on Advances in Chemical Sciences for Sustainable Energy and Environment (ICACSEE 2025). Leading researchers, scientists, and industry professionals explored breakthrough research in batteries, hydrogen storage, solar cells, bioenergy, and carbon capture technologies.

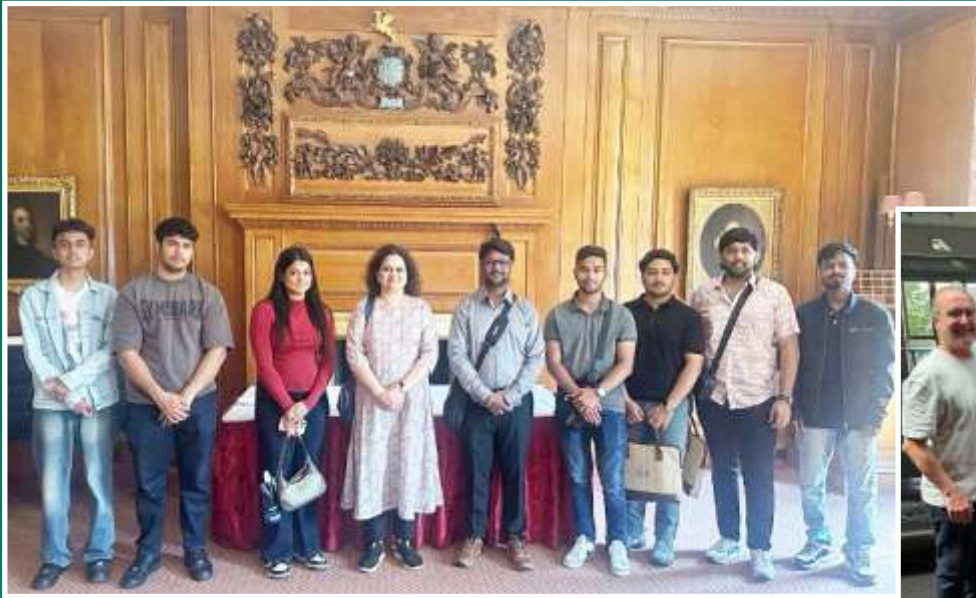
University Hosted 15th UPSC Felicitation Ceremony

The 15th UPSC Felicitation Ceremony, celebrated India's brightest civil service rankers with distinguished IAS/IPS officers and featured two insightful sessions on public service ethics and governance. The event highlighted inspiring talks by UPSC toppers Shakti Dubey (AIR 1) and Archit Parag Dongre (AIR 3, 2024).



Law Students Completed London Immersion Programme

Our students from the School of Law participated in hands-on workshops on litigation, bail, and courtroom strategy with UK legal experts in London. They engaged in live contract simulations, visited the UK Supreme Court, and attended academic exchanges at the University of York, powered by the School of Law and Bloomsbury Institute.



Technical Training & Trainer Program Completed at Central Workshop

The Central Workshop conducted a four-week technical training course for students from MIT-WPU and other institutes, along with a Train the Trainer program for technicians.

STUDENT ACHIEVEMENTS



Shreyasi Joshi Bagged Gold at Asian Championships

Shreyasi, a third year B.Tech CSE student, won the Gold Medal in the Classic category at the Asian Roller Skating Championship 2025 held in Jecheon, Korea. Her remarkable achievement demonstrated precision, perseverance, and unmatched performance, inspiring excellence beyond academics.

Jinesh Nanal Finished Fourth in the Asian Championship

Jinesh, a final year B.Tech CSE student, achieved 4th position in the Senior Men category at the Asian Roller Skating Championship 2025 in Jecheon, Korea. His performance reflected sustained dedication, structured training, and international-level competitiveness on the Asian stage.



Team ANTS Won Big at Google Hackathon

Team ANTS from MIT-WPU won the 'Breakthrough Concept Award' and a 50,000 cash prize at Google's Guinness World Record-setting Agentic AI Hackathon 2025 in Bengaluru, competing among 57,000+ registrations. Their project, "Drishti", an AI-powered event safety platform, showcased innovation, teamwork, and persistence under a 30-hour challenge.

Team Vegapod Placed India on Hyperloop Map

MIT-WPU's Team Vegapod Hyperloop secured 8th place globally at European Hyperloop Week 2025 in Groningen, Netherlands—standing tall as the only Asian team to demonstrate a working prototype. With Top 2 wins in Outreach and Showcasing, and eco-friendly innovations in design, the team reinforces India's vision for sustainable high-speed transport.





Youngest Voice at Youth Vision Assembly

Nakshatra Salunkhe, a first-year BBA LLB student at MIT-WPU, has been chosen as the youngest finalist for the Youth Vision Assembly 2025 in Amsterdam, standing out among 40,000 global applicants. This remarkable feat highlights her talent, commitment, and determination on an international platform.

Aayush Kulkarni Received Global Recognition for Robotic Research

Aayush, a student of MIT-WPU, achieved a global research breakthrough by publishing his work with the Rochester Institute of Technology (RIT), USA. His innovative research integrated AI, haptics, and computer vision to advance robotic surgery, setting new benchmarks in the field.



Parth Moghe Shined on International Stage

Parth, a FY BTech CSE-AIDS student, earned international recognition for MIT-WPU by winning the Bronze Medal in Category B at the Barberà Del Vallès Open in Spain. His achievement reflects outstanding skill, focus, and dedication while excelling on a global stage alongside academics.

Tanisha Kotecha Won Asian Youth TT Bronze

Tanisha, a student from BBA (Business Analytics), scripted history at the 29th Asian Youth Table Tennis Championships in Tashkent, Uzbekistan, winning the Bronze Medal in Mixed Doubles. This marked the first-ever medal from Maharashtra and only the second for India at this level.





Kuhoo Khandekar Secured Fifth at Inline Freestyle Cup

Kuhoo, a Final Year Integrated B.Sc. M.Sc. Bio student, achieved 5th position in the Battle Slalom category at the Inline Freestyle World Cup – Hero Battle Cup 2025 in Milano, Italy. This remarkable international achievement reflected her dedication, skill, and perseverance on the global stage.

Varun Kapur Won Gold in Badminton

Varun, a second year BBA student at MIT-WPU, clinched the Gold Medal in Men's Singles Badminton at the Maharashtra Senior State Selection Tournament held in Satara recently. His stellar performance reflects unmatched discipline, determination, and sporting excellence.



Yeshaya Contractor Clinched 5th State Title

At the 44th Gujarat State Shotgun Shooting Championship in Mahemdavad, Yeshaya H. Contractor continued her dominance by clinching three Gold medals across the Double Trap and Trap categories and a Silver in Women's Open Trap, marking her 5th consecutive year as State Champion.

Schaleen Fernandes Won the National Ice Skating Championships

Schaleen, a student from the FY BA.LL.B Hons programme, achieved stellar performance at the 20th National Ice Skating Championship 2025 in Dehradun. She won 1 Gold and 2 Silver medals in the Senior Women's category, reflecting her focus, dedication, and discipline.





Silent Performance Won Third Prize Recognition

MIT-WPU Cultural Club secured 3rd Prize at Maunaantar Karandak 2025 for "Erika," a compelling mime performance set in Nazi-era Berlin. The wordless production was honored for its emotional storytelling, historically accurate costumes, and powerful reflection on war's cost and silent resistance.

Polytechnic Team Won Best Startup Award

The Department of Polytechnic students—Aarushi Javale, Aditya Patil, Janavi Honrao, and Om Desai—received the prestigious Best Startup Award at Pune Startup Expo 2025, presented by Hon. Shri Ashish Shelar and Dr. Rahul V. Karad, under the mentorship of Prof. Purna Patil. Their achievement highlights innovation and entrepreneurial excellence.



Mechanical Engineering Students Won the Forbes Marshall 'Outstanding' Award

Mechanical Engineering students, guided by Dr. Surbhi Razdan, won the 2025 Forbes Marshall Outstanding Project Award for their innovative "Paper Pallet for Packaging Application," showcasing sustainable engineering excellence. This achievement highlights student innovation, real-world problem-solving, and the power of student-faculty collaboration in advancing meaningful education.

Mechanical Engineering Students Drove Innovation in Agriculture

Mechanical Engineering students, under the mentorship of Dr. Chaitanya Burande, earned the Runner-Up position at the Forbes Marshall Outstanding Project Awards 2025 for designing a 'Weed Elimination and Eradication Device', tackling a key agricultural challenge. This recognition highlights student creativity, technical skill, and the power of innovation in driving sustainable impact.



Prisha Bisht Represented MIT-WPU at the Global Summit

Prisha, a second year BBA LLB student from the School of Law, represented the university at Harvard College Project for Asian and International Relations (HPAIR 2025) held at The University of Tokyo. Her participation brought ideas to the global stage, contributing to policy dialogue and meaningful change initiatives.

Health Sciences Students Achieved Top GPAT Ranks

Students from the School of Health Sciences & Technology have secured top ranks in GPAT 2025. Sakshi Talathi achieved AIR 83 and Tanmay Patil secured AIR 98, reflecting their academic discipline and dedication.



Commerce Students Achieved ACCA Affiliate Status

Students from the School of Economics and Commerce, B.Com (International Accounting and Finance) programme, successfully cleared the ACCA June 2025 examination, becoming ACCA Affiliates. This achievement reflects their consistent effort and strong academic support, marking a significant step in their global finance and accounting careers.



Radhika Gawali Got Selected for HPAIR Asia Conference

Radhika, a fourth year BBA LLB student from the School of Law, has been selected by The Harvard College Project for Asian & International Relations (HPAIR) for the 2024 HPAIR Asia Conference. This prestigious platform brings together global students, academics, and professionals for meaningful dialogue on international issues, policy, and leadership, reflecting her active engagement with global legal perspectives.

Polytechnic Team Won Best Paper at IEEE Conference

The Department of Polytechnic team—Tanushree Balote, Mansi Joshi, Harshada Suryawanshi, and Neel Suryawanshi—won the Best Paper Award at the 7th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2025) for their research on AI-driven artwork classification, guided by Prof. Hemlata Ohal. Their work marks a notable advancement in AI and art classification.



FACULTY ACHIEVEMENTS



Keynote Delivered at Global AI Summit in London

Prof. Dr. Milind Pande, Pro-Vice Chancellor of MIT World Peace University, delivered a Special Keynote on 'AI – Continuous Education & Socio-Economic Strategies' at the Businessabc AI Global Summit London 2025, uniting over 50 global leaders and 1,000+ daily participants. The summit showcased discussions on AI's role in shaping an inclusive future and reached over 4 million followers digitally.

DSIR-Sanctioned Semiconductor Project

Dr. Milind Pande and Dr. Aavishkar Katti secured prestigious DSIR sanction from the Ministry of Science & Technology for their project "Boosting Electronics and Semiconductor Industry through Academia-Industry Interaction." Their research in semiconductors, photonics, and optoelectronics supports Viksit Bharat 2047 and Atmanirbhar Bharat initiatives.

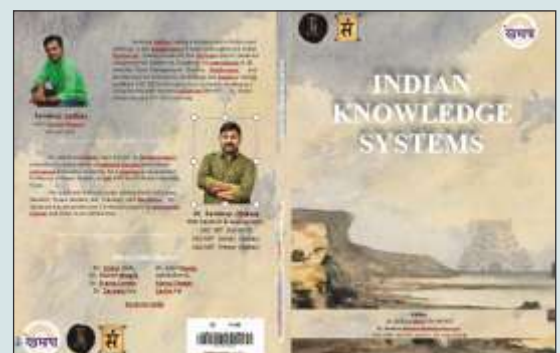


New Humane Method Advanced Laboratory Research

Dr. Vijayapandi Pandey, Associate Professor of Pharmaceutical Sciences, published a research article in Springer's Clinical Phytoscience introducing an innovative in vitro assay using chicken and fish brains as a humane alternative to rodent-based tests, advancing ethical research methods and reducing animal euthanasia.

New Book Explores Indian Knowledge Systems

Dr. Sandeep Dhikale, Assistant Professor and Peace Studies Coordinator at MIT-WPU, has launched his new book "Indian Knowledge Systems (A Treasure Trove of the Way of Holistic and Sustainable Life)", co-edited with Mr. Sandeep Jadhav. Published by Sanskrit For You and Devabhasha Foundations, it highlights India's timeless wisdom on holistic living and sustainability.



Dr. Mohit Awasthi Joined IPSA Global Stage

Dr. Awasthi, an Assistant Professor of Peace Studies at MIT-WPU, represented the university at the 28th IPSA World Congress 2025 in Seoul, presenting his paper "Sufi Activism and Democratic Resilience in India." Engaging with delegates from 102 countries, including meeting former UN Secretary-General Ban Ki-moon, he was also nominated to the Advisory Board of IPSA's RC44, marking a major step for MIT-WPU in global peace and political studies.



MOUs SIGNED

Strategic Partnership to Advance Semiconductor Innovation

MIT-WPU's Semiconductor Conclave 2025 featured a landmark MoU signing with the VLSI Society of India to drive innovation and research in the semiconductor sector. The event united 250+ industry stakeholders, reinforcing India's vision for global leadership in this critical technology domain.





SPOTLIGHT

Celebrated 43 Years of Leadership and Innovation

MIT-WPU celebrated its 43rd Foundation Day, marking over four decades of leadership, innovation, and excellence in academic, social, and cultural growth. The event highlighted the university's commitment to holistic education and featured inspiring addresses from its leadership.



Dr. Rahul V. Karad Received Legal Fraternity Recognition

Our Executive President, Dr. Rahul V. Karad, received the Special Recognition Award from the Bar Council of Maharashtra & Goa and Pune Bar Association for his work in Democracy, Governance, and Peace. The honor was accepted before Hon'ble Judges and Senior Members, reinforcing commitment to dialogue and youth-driven democratic reform.



India's First Tunneling Center Inaugurated Successfully

The country's pioneering Center of Excellence for Tunneling and Underground Construction was launched, with Hon'ble Minister Nitin Gadkari as the chief guest. Developed with Tata Projects Ltd. and Sandvik Group, the event featured Tunneling Awards 2025, recognizing outstanding railway, metro, and road tunnel projects.





EMPLOYEE OF THE MONTH



Mr. Sanket Shirke [School of Engineering & Technology(Program office)]

With the commencement of FY B.Tech AY 2025-26 preponed and no central orientation possible, the challenge was to guide over 2000 new students (about 29 cohorts), totally unfamiliar with the campus, to about 25 different classrooms spread across campus, at varying reporting times. Meanwhile, admissions continued to rise. Mr. Sanket, in this dire situation, single-handedly coordinated between the admissions department and program director, mapped each student to a cohort, and used ERP data, mail merges, and WhatsApp groups to share with students personalized details, including PRN, division, timetable, and campus layout. This ensured students reached the right venue on time, making the first day smooth and confusion-free. Beyond this, he proactively identified 230+ non-reporting students with faculty support and shared insights with admissions,

enabling timely counselling to reduce cancellations. His efforts not only resolved logistical challenges but also enhanced student experience and safeguarded admissions.

Mr. Satyawan Gagre [School of Liberal Arts (Program Office)]

In recognition of his exceptional contribution to the successful execution of the National Academic Immersion Program (NAIP) at Goa University, Mr. Satyawan Gagre went far beyond his core office administration role to take full ownership of this national-level initiative. He demonstrated outstanding initiative by coordinating with faculty, drafting the course plan, and managing end-to-end logistics, including student travel, accommodations, and schedules. His on-site presence ensured seamless execution and quick resolution of issues. Through effective academic coordination, he secured permissions, organized impactful sessions and field visits, and enriched the student learning experience, all while utilizing resources efficiently to reduce costs. His student-centric approach ensured safety, comfort, and engagement throughout the program. Mr. Gagre's initiative, meticulous planning, and dedication not only ensured the flawless success of NAIP but also created a lasting impact on students and the institution, exemplifying excellence beyond the call of duty.



Ms. Ashwini Naidu [School of Economics & Commerce]

During the UPSC Felicitation Event 2025, Ms. Ashwini demonstrated exceptional commitment and went beyond expectations to ensure the event's success. Her meticulous efforts resulted in savings of over Rs. 3 lakhs in overall expenses, while her handling of more than 175 correspondences and follow-ups with rankers and guests for travel arrangements ensured seamless coordination. These efforts not only enabled the smooth execution of the event but also contributed to an overall cost saving of more than Rs. 5 lakhs.



Amol Rudrappa Saraje [Admissions Department]

Mr. Amol Saraje has successfully managed to complete 1,633 out of 2,070 applications, achieving 79% admissions completion so far for DIV-II (UG). He has completed 90% of student eligibility processes allotted to him by the Department, ensuring completion within the stipulated timeline for academic year 2024-25 and the highest amongst others. Effectively managed communication and proctoring attendance, contributing to the smooth execution of the MIT-WPU entrance examination, processes contributing towards institutional efficiency. Achieved 100% digitization(scanning) and compilation of huge historical student records.

Jidnyasa Jain [HR Department]

Ms. Jidnyasa Jain has played a pivotal role in sourcing the right talent for academic positions across Divisions 1, 3, and 4. She has efficiently managed the recruitment process for these divisions, often handling the responsibilities independently throughout most of her tenure. Additionally, her enthusiasm and proactive involvement in other HR initiatives are truly commendable. She proactively goes above and beyond her scheduled hours on her own accord to ensure seamless and efficient recruitment operations across the divisions.





ARTISTIC EXPRESSIONS

Under the quiet bridge, the river carries with it stories of patience, dreams, and devotion. The monsoon air is filled with the fragrance of wet earth, and hills clothed in green sing silently of renewal. This is the beauty of Shravan and Bhadrapad—months that are not only about time but about faith, festivity, and fresh energy.

**"सफर खूबसूरत है, मंज़िल से भी ज़्यादा,
हर मोड़ पर मिलता है ज़िंदगी का इशारा।" – अज्ञात**

Shravan is the time when every leaf shines with dew, every prayer carries strength, and every temple bell echoes in the heart. "श्रावण महिना हा साधना, संयम आणि अंतर्मुख होण्याचा काळ आहे." शिवपूजा, व्रतवैकल्ये, भजन-कीर्तन, नदीस्नान या सर्व गोष्टींमुळे हा महिना आत्मिक शांतता देतो.

Then comes Bhadrapad, alive with the joy of Ganeshotsav.

**रंगीबेरंगी सजावट, आरत्या, समाजाचा उत्सवातला सहभाग –
हे सगळं जीवनाला जल्लोष देतं.**

"भाद्रपद म्हणजे भक्ती, गजर आणि एकत्रित आनंदाचा उत्सव." The flowing water reflects this duality: Shravan's serenity and Bhadrapad's celebration. One teaches us introspection, the other teaches us expression. Together they make life balanced, meaningful, and festive.

**"नदी वाहते सतत पुढे,
न थांबता, न थकता;
तशीच जीवनयात्रा,
स्वप्नांना भिडता भिडता." – कुसुमाग्रज प्रेरित**

Every raindrop is a blessing. Every ripple is a memory. Just as Shravan brings us closer to silence, Bhadrapad brings us closer to song.

Tukaram Maharaj म्हणतात:

**"पावसाळा आला ग, झाडे झुळझुळती;
हरी मुखी गाता ग, अंतरातील ओढ शांतवती."**

The photograph itself is symbolic—the shadowed arch is like life's challenges, but beyond it lie bright waters and hills full of hope. It is the very spirit of MIT-WPU as well: facing obstacles with persistence, celebrating victories with joy, and always flowing ahead.

**"बारिश की बूँदें जब ज़मीन से मिलती हैं,
तो हर सूखी रग में जान भरती हैं।" – अज्ञात**

Just as Shravan-Bhadrapad blend devotion with festivity, PULSE 30 blends achievements with creativity, memories with innovations, and personal stories with collective celebrations. It becomes not a magazine, but a river of moments—some calm, some joyful, but all flowing together.

**सावनची ओल, भाद्रपदाचा जल्लोष—
यातच दडलेली आहे नव्या सुरुवातींची खरी प्रेरणा.**

Kunal S. Marathe,
Assistant Registrar (Policy & Procedure), MIT-WPU

Is Statistics Losing Importance in the Era of Artificial Intelligence?

Data Science and Artificial Intelligence (AI) have become common career paths, leading many statistics students to wonder whether learning AI and machine learning (ML) algorithms is more valuable than mastering statistical fundamentals for industry jobs. Some students are uncertain about the relevance of statistics in today's data-driven industries, questioning whether its fundamentals still hold importance. To address these concerns, it's essential to explore how statistics have evolved in alignment with industrial progress.

In the pre-industrial era, the application of statistics was limited; only rulers collected data about their populations to understand economic status for effective tax systems. The First Industrial Revolution brought about significant demographic shifts, as many people migrated from rural areas to industrial cities in search of better job opportunities. This migration stimulated the development of statistical methods such as explanatory analysis, graphical techniques, and probability theory. The primary goal of these statistical methods was to quantify industrial growth. During this period, statistics were primarily applied in urban planning, public health, workforce planning, economic analysis, and policy-making decisions.

The Second Industrial Revolution was characterised by technology-driven growth, with mass and assembly line production as key drivers. Statistical techniques such as reliability analysis, quality control charts, designs of experiments, and optimisation techniques became essential for analysing quality, life expectancy, and the optimal use of energy and human resources. The digitalisation and software developments of the third industrial revolution transformed traditional statistical techniques, like predictive analysis, time series analysis, and multivariate analysis, to tackle challenges in the global digital economy. Advanced computing facilities enabled the development of Bayesian computing methods to address complex problems in various domains beyond the industry. During this time, several statistical software packages emerged, along

with free tools like R and Python. Additionally, modern statistical designs for clinical trials and biology were developed in light of advancements in drug discovery and genetics.

Today, we live in Industry 4.0, a data-driven revolution. Statistical methods have been integrated with AI, big data, automation, and the Internet of Things (IoT) to extract actionable insights from raw and complex data. AI has facilitated the enhancement of statistical methods for real-time data analysis, prediction, and interpretation. Data-driven statistical decision-making methods have been established for consumer behaviour, supply chain management, and personalised medicine. The next phase of industrial development will centre around AI-human interaction, sustainable practices, and environmentally friendly solutions, where statistical methods will be crucial. The rise of AI also poses the risk of amplifying economic and social inequalities within society; statistical methods can help analyse these inequalities and promote human-centric policies for AI development. Moreover, emerging fields like space exploration and quantum computing will introduce new dimensions and complexities in data. Concepts such as fuzzy logic and non-Euclidean geometry are becoming increasingly vital for analysing such data.

Throughout the history of industrialisation, statistics have evolved in response to industrial requirements. Like the steam engine, assembly line production, and software development, AI represents one of the trends in the modernisation of industry. While trends in human history may be temporary and reflective of their respective times, fundamental knowledge is enduring. To summarise, although AI is a significant current trend, the fundamental importance of statistical expertise remains unchanged.

(Statistical techniques which are important in the era of AI will be discussed in the next article.)

I got help from Grammarly by using these AI prompts to improve the article. Images by Google Gemini AI

Dr. Hemant Kulkarni

Assistant Professor
Dept. of Mathematics & Statistics, MIT-WPU



CELEBRATING OUR GUIDING LIGHT



Respected Rahul Sir,

On this golden milestone of your 50th birthday, the MIT-WPU family celebrates a visionary leader who nurtures over 80,000 students across 70+ institutions. Your dedication to nation-building through initiatives like the MIT School of Government, Bharatiya Chhatra Sansad, and National Legislators' Conference continues to transform young minds into ethical leaders through holistic, value-based education.

As you step into this new chapter, we honor your contributions across diverse domains and unwavering vision of inspiring youth and making them realize their full potential through holistic, value-based education that builds stronger democratic foundations for our nation.

Wishing you a very Happy 50th Birthday.

With deepest respect and warm regards,

Team PULSE



AS WE TURN THE FINAL PAGE...

Dear Valued Readers,

As we conclude this remarkable "नवीन आरंभ, अनंत गति" edition, we hope these pages have taken you through the extraordinary tapestry of experiences that defined our transformative July-August journey. Each story shared, each achievement celebrated, reflects the vibrant pulse that beats at the heart of our MIT-WPU community.

What an incredible season of growth and renewal it has been. From sacred ceremonies that welcomed fresh dreams to our campus, to the monsoon rains that nurtured new possibilities across our grounds. Patriotic celebrations filled us with renewed purpose, while milestone commemorations reminded us of the remarkable legacy we carry forward and the bright future we're building together.

Through these months, we witnessed our community's अनंत गति - the unstoppable momentum of our students on global platforms, breaking barriers and setting new benchmarks. Infrastructure developments marked significant milestones in our evolution, while meaningful celebrations exemplified our dedication to holistic growth and comprehensive learning experiences.

Every नवीन आरंभ chronicled in this edition has seamlessly transformed into endless momentum, creating ripples of inspiration that will continue long after you turn the final page. These stories of triumph, innovation, and community spirit showcase the essence of what makes our institution truly exceptional.

We extend heartfelt gratitude to every contributor who made these stories possible. Your passion and dedication continue to fuel the engine of progress at MIT-WPU, creating an environment where dreams flourish and excellence becomes the norm.

Thank you for being part of this incredible journey. As we move forward, may we continue embracing new beginnings with open hearts and sustaining the momentum that defines our shared excellence.

With heartfelt appreciation,
Team PULSE
Your Chronicle of Excellence





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